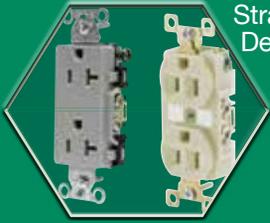






# Table Of Contents

## Section A



Straight Blade Devices

## Section H



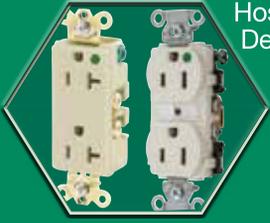
Locking Devices

## Section O



Lampholders, Starters and Adapters

## Section B



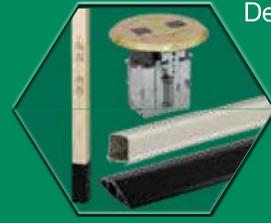
Hospital Grade Devices

## Section I



Watertight Products

## Section P



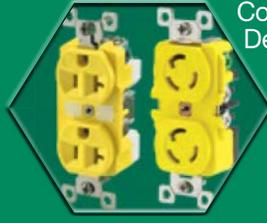
Delivery Systems

## Section C



Ground Fault Devices

## Section J



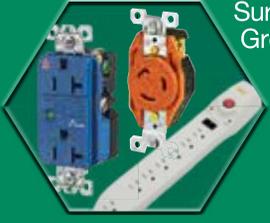
Corrosion-Resistant Devices

## Section Q



Wallplates and Covers

## Section D



Surge and Isolated Ground Devices

## Section K



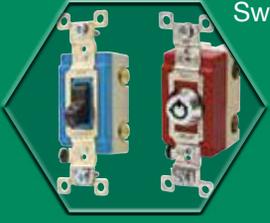
Pin & Sleeve Devices

## Section R



Network Wiring

## Section E



Switches

## Section L



Cam-Type, Power Dist. & Temp Power

## Section S



Technical Information

## Section F



Lighting Controls

## Section M



Electric Cord and Cable Reels

## Section G



Motor Control Products

## Section N



Wire Management Products

# General Information

No material will be accepted for return unless permission is granted in writing by Bryant. All orders received for special items are accepted as firm orders and are not subject to cancellation by the customer.

Claims for freight charges or allowances of any kind will not be considered after 30 days from receipt of goods and our responsibility ceases when we have delivered such shipments to the carriers and hold their receipts.

All Bryant devices are UL Listed and CSA Certified unless otherwise indicated.

Product dimensions in this catalog are nominal and are provided for the convenience of our customers. We reserve the right to make changes from time to time, without notice, which may change the dimensions shown. Therefore, we recommend verifying dimensions with us before using them for product developments or prints.

The designs and dimensions of the products listed in this catalog, correct at the date of publication, are subject to change without notice.

This catalog is published solely for information purposes and should not be considered all-inclusive.

Typographical or pictorial errors which are brought to our attention will be corrected in subsequent issues.

## Bryant Trademarks

Since 1888, Bryant Electric has been a pioneer in the wiring industry. Just as the Bryant name is recognized as a mark of durability and quality, so are many of the trade names we use with our devices. These include:

CIRCUITPRO®	PLUGBOX®
COBRA®	PlugTrak®
EXTRA DUTY®	Quad Gripper®
Fashion Series™	QUADCAB®
FloorTrak®	QUADPLEX®
inSIGHT™	RE-BOX®
JLOAD®	SpeakON®
MAXX™	TECH-SPEC®
netSELECT®	tradeSELECT®
OPTIMYZER®	Triple Gripper®

**UPC: 781786**  
**Cage Code: 71183**

## Associations



**National Electrical Manufacturers Association**  
NEMA promotes the competitiveness of its member companies by providing a forum for the development of technical standards that are in the best interests of the industry and the users of its products.



**National Association of Electrical Distributors**  
Since 1908, NAED has served as the trade association for the electrical distribution industry. To be an NAED associate member, your company must be a manufacturer or value-added reseller.



**Restriction of Hazardous Substances**  
The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment".



**U.S. Green Building Council Member**  
Bryant is a US Green Building Council (USGBC) member dedicated to advancing buildings that are environmentally responsible in the way they are designed, built and operated.



**International Organization for Standardization**  
ISO (International Organization for Standardization) is the world's largest developer and publisher of International Standards.



**International Electrotechnical Commission (IEC)**  
IEC is the world's leading organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

# Section A

## Straight Blade Devices

Table of Contents	Page
<b>NEMA Configuration Chart</b> .....	A-2
<b>Hospital Grade Devices</b>	
TECH-SPEC® Self-Grounding Receptacles .....	A-3
Heavy Duty and Fashion Series™ 9000 Receptacles .....	A-4
USB Charger Receptacles .....	A-5
QUADPLEX® Receptacles .....	A-6
Impact Resistant Plugs and Connectors .....	A-7
<b>Industrial Grade</b>	
Extra Heavy Duty, Specification Grade Duplex Receptacles .....	A-8
Extra Heavy Duty, Specification Grade Single Receptacles .....	A-9
Heavy Duty, Specification Grade Receptacles .....	A-10
Heavy Duty, Industrial Grade Combination Receptacles and Attachment Plugs .....	A-11
<b>Commercial Grade</b>	
Duplex Receptacles .....	A-12
Duplex Tamper-Resistant Receptacles .....	A-13
Permanently Marked Receptacles .....	A-14
QUADPLEX® Receptacles and Cord Sets .....	A-15
<b>Residential Grade</b>	
USB Charger Receptacles and Outlets .....	A-17
Quick Thread, Duplex and Decorator Receptacles .....	A-18
Single and Single Decorator Receptacles .....	A-19
<b>Plugs and Connectors</b>	
Triple Gripper® Extra Heavy Duty Industrial .....	A-20
COBRA® Heavy Duty .....	A-21
TECH-SPEC® .....	A-22
Industrial Grade .....	A-23
Special Use Products .....	A-24
Residential Grade .....	A-25
<b>High Amperage Devices</b>	
30 Amp Plugs, Connectors and Receptacles .....	A-26
50 Amp Plugs, Connectors and Receptacles .....	A-27
60 Amp Plugs and Receptacles .....	A-28
Weather Protective Boots, Adapter Sleeves and PLUGBOX® Devices .....	A-29
<b>Technical Specifications</b> .....	A-30



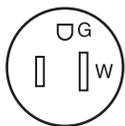
# Straight Blade Devices

## NEMA® Configuration Chart

Rating	15 Ampere		20 Ampere		30 Ampere		50 Ampere		60 Ampere			
	Receptacle / Conn. Body	Plug / Inlet	Receptacle / Conn. Body	Plug / Inlet	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug		
2 Pole / 2 Wire	125V	1	A-21, A-23  1-15R	A-21, A-23  1-15P								
	2 Pole / 3 Wire Grounding	125V	5	A-3 to A-20, A-22, A-23  5-15R	A-6, A-9, A-10, A-18 to A-20, A-23  5-15P	A-3 to A-5, A-7 to A-15, A-17, A-22  5-20R	A-6, A-9, A-10, A-18 to A-20  5-20P	A-24  5-30R	A-24  5-30P	A-25  5-50R	A-25  5-50P	
250V		6	A-7 to A-10, A-17 to A-20  6-15R	A-9, A-10, A-18 to A-20  6-15P	A-3, A-6 to A-10, A-17 to A-20  6-20R	A-6, A-9, A-10, A-18 to A-20  6-20P	A-24  6-30R	A-24  6-30P	A-25  6-50R	A-25  6-50P		
277V AC		7	A-10  7-15R	A-10  7-15P								
3 Pole / 3 Wire	125/250V AC	10			A-21  10-20R	A-21  10-20P	A-24  10-30R	A-24  10-30P	A-25  10-50R	A-25  10-50P		
	3 Pole / 4 Wire Grounding	125/250V AC	14					A-24  14-30R	A-24  14-30P	A-25  14-50R	A-25  14-50P	A-26  14-60R
3Ø 250V AC		15					A-24  15-30R	A-24  15-30P	A-25  15-50R	A-25  15-50P	A-26  15-60R	A-26  15-60P
3ØY 120/208V AC		18				A-21  18-20P			A-25  18-50R	A-25  18-50P	A-26  18-60R	A-26  18-60P
2 Pole / 3 Wire	347V	24		A-10  24-15P								

### How To Use This Chart:

For quick reference, this chart shows the configuration, primary catalog section and page number where the devices are shown.

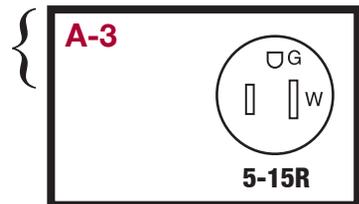


**Open Slots** indicates Receptacle / Connector Body configurations (female).



**Closed Slots** indicates Plug / Inlet configurations (male).

Catalog Section and Page Number



NEMA Configuration

# Straight Blade Devices

## Hospital Grade • Self-Grounding Receptacles



- Heavy duty, copper-alloy self-grounding system (tin plated)
- Double-wipe, copper-alloy grounding contacts
- ID surface for marking identification of circuits
- Heavy duty, brass over nickel plated wrap-around steel yoke locked in for maximum strength and security

### Why Hospital Grade?

Bryant hospital grade receptacles are specifically designed to provide maximum safety and withstand severe abuse in hospitals and heavy duty industrial applications. The green dot • signifying UL hospital grade listing is more than just a symbol of compliance. It is your assurance that each device has passed the most stringent requirements for grounding reliability, security of assembly, strength and durability.

### 15A and 20A 125V and 20A 250V Receptacles

TECH-SPEC®

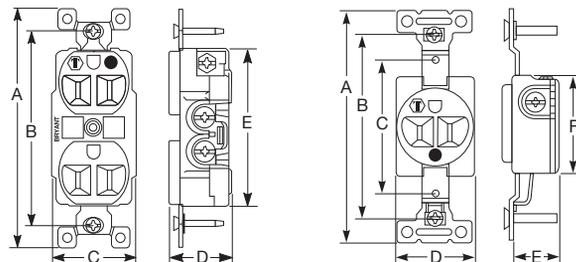


Wiring		Back and Side Wired			Stranded Wire Leads		Back and Side Wired	
Face		Duplex			Duplex		Single	
Rating	Color	Standard	Weather Resistant	Lighted Face	Tamper-Resistant	Standard	Weather Resistant	
NEMA 5-15, 15A 125V 	Brown	<b>BRY8200</b>	<b>BRY8200WR</b>	—	<b>BRY8200TR</b>	<b>8210</b>	<b>8210WR</b>	
	Gray	<b>BRY8200GRY</b>	<b>BRY8200GRYWR</b>	<b>BRY8200GRYL</b>	<b>BRY8200GTR</b>	<b>8210GRY</b>	<b>8210GRYWR</b>	
	Ivory	<b>BRY8200I</b>	<b>BRY8200IWR</b>	<b>BRY8200IIL</b>	<b>BRY8200ITR</b>	<b>8210I</b>	<b>8210IWR</b>	
	Red	<b>BRY8200RED</b>	<b>BRY8200REDWR</b>	<b>BRY8200REDL</b>	<b>BRY8200RTR</b>	<b>8210RED</b>	<b>8210REDWR</b>	
	White	<b>BRY8200W</b>	<b>BRY8200WWR</b>	<b>BRY8200WL</b>	<b>BRY8200WTR</b>	<b>8210W</b>	<b>8210WWR</b>	
Orange*	<b>BRY8200IG</b>	—	—	—	—	<b>8210IG</b>	—	
NEMA 5-20, 20A 125V 	Brown	<b>BRY8300</b>	<b>BRY8300WR</b>	—	<b>BRY8300TR</b>	<b>8310</b>	<b>8310WR</b>	
	Gray	<b>BRY8300GRY</b>	<b>BRY8300GRYWR</b>	<b>BRY8300GRYL</b>	<b>BRY8300GTR</b>	<b>8310GRY</b>	<b>8310GRYWR</b>	
	Ivory	<b>BRY8300I</b>	<b>BRY8300IWR</b>	<b>BRY8300IIL</b>	<b>BRY8300ITR</b>	<b>8310I</b>	<b>8310IWR</b>	
	Red	<b>BRY8300RED</b>	<b>BRY8300REDWR</b>	<b>BRY8300REDL</b>	<b>BRY8300RTR</b>	<b>8310RED</b>	<b>8310REDWR</b>	
	White	<b>BRY8300W</b>	<b>BRY8300WWR</b>	<b>BRY8300WL</b>	<b>BRY8300WTR</b>	<b>8310W</b>	<b>8310WWR</b>	
Orange*	<b>BRY8300IG</b>	—	—	—	—	<b>8310IG</b>	—	
NEMA 6-20, 20A 250V 	Brown	—	—	—	—	<b>8410BRN</b>	—	
	Gray	—	—	—	—	<b>8410GRY</b>	—	
	Ivory	—	—	—	—	<b>8410I</b>	—	
	Red	—	—	—	—	<b>8410RED</b>	—	
	White	—	—	—	—	<b>8410W</b>	—	
Orange*	—	—	—	—	—	<b>8410IG</b>	—	

Note: \*Orange is Isolated Ground. See Section C for isolated ground products.  
See page R-6 for tamper-resistant and weather resistant descriptions.  
See page A-28 for technical specifications.

### Product Dimensions Inches (mm)

	Duplex Standard, Weather Resistant and Lighted Face	Duplex, Tamper-Resistant	Single Standard and Weather Resistant
A	4.06" (103.1)	4.06" (103.1)	4.06" (103.1)
B	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)
C	1.54" (39.1)	1.65" (41.9)	2.38" (60.5)
D	1.16" (29.5)	2.75" (69.9)	1.38" (35.1)
E	2.69" (68.3)	1.30" (33.0)	0.91" (23.1)
F	—	—	1.78" (45.2)



# Straight Blade Devices



## Hospital Grade • Heavy Duty Receptacles



- Specification Grade and Hospital Grade
- Tamper-Resistant... NOT Plug Resistant™
- Power indicating LED feature optional
- Circuit ID marking area on Hospital Grade
- Steel mounting strap, self-grounding

### FASHION SERIES™ 9000

- High-impact thermoplastic face and base
- Back and side wired
- Break-off tab for two-circuit wiring
- Heavy duty, wrap-around steel yoke

### Heavy Duty Receptacles

The Bryant Tamper-Resistant Mechanism eliminates the frustration and difficulty experienced using TR receptacles with plugs that have sharp, or bent blades. Bryant TR receptacles work so well there is virtually no perceptible difference in the feel between the TR receptacles and our conventional non-TR receptacles. Trust Bryant to deliver Tamper-Resistant protection that feels like it's not even there.

### Fashion Series® 9000

The built-in features of the 9200 self-grounding receptacle reflect the super-safe design, solid construction, and attention to details – the Face of Quality of Bryant's full line of Fashion Series 9000 designer receptacles. This line assures you of the exact device you need for hospital, industrial or commercial applications.

## 15A and 20A 125V Duplex Receptacles

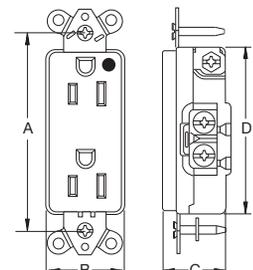


Wiring		Back and Side Wired						
Face		Duplex				Decorator		
Rating	Color	Standard	Tamper-Resistant	Power Ind. LED	TR & LED	Duplex	Isolated Ground	Lighted Face
NEMA 5-15, 15A 125V 	Brown	8200HB	8200HBTR	8200HBL	8200HBLTR	9200	—	—
	Gray	8200HBGRY	8200HBGRYTR	8200HBGRYL	8200HBGRYLTR	9200GRY	9200IGGRY	9200GRYL
	Ivory	8200HBI	8200HBITR	8200HBIL	8200HBILTR	9200I	9200IGI	9200IIL
	Red	8200HBRED	8200HBREDTR	8200HBREDL	8200HBREDLTR	9200RED	9200IGRED	9200REDL
	White	8200HBW	8200HBWTR	8200HBWL	8200HBWLTR	9200W	9200IGW	9200WL
Orange	—	—	—	—	—	9200IG	—	
NEMA 5-20, 20A 125V 	Brown	8300HB	8300HBTR	8300HBL	8300HBLTR	9300	—	—
	Gray	8300HBGRY	8300HBGRYTR	8300HBGRYL	8300HBGRYLTR	9300GRY	9300IGGRY	—
	Ivory	8300HBI	8300HBITR	8300HBIL	8300HBILTR	9300I	9300IGI	9300IIL
	Red	8300HBRED	8300HBREDTR	8300HBREDL	8300HBREDLTR	9300RED	9300IGRED	9300REDL
	White	8300HBW	8300HBWTR	8300HBWL	8300HBWLTR	9300W	9300IGW	9300WL
Orange	—	—	—	—	—	9300IG	—	

Note: \*Orange is Isolated Ground. See Section C for isolated ground products.  
See page A-28 for technical specifications.

### Product Dimensions Inches (mm)

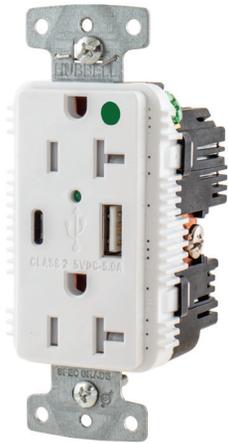
A	3.28" (83.3)
B	1.36" (34.5)
C	1.03" (26.2)
D	2.75" (69.9)



# Straight Blade Devices



## Hospital Grade • USB Charger Receptacles



- Green LED indicator to show USB power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Tamper-Resistant (TR) decorator duplex
- Back and side wire for solid or stranded wire
- Complies with battery charging specification BC1.2
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products

### USB Charger Receptacles

More Ways to Charge Faster with Bryant's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Bryant's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

## 15A and 20A 125V USB Charger Receptacles

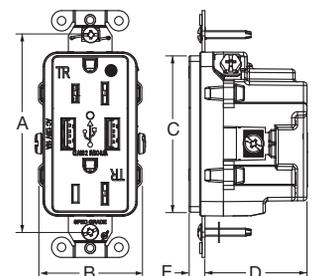


Wiring		Back and Side Wired		
Face		Decorator		
Rating	Color	(2) Type-C Ports	(1) Type A and (1) Type-C Port	(2) Type A Ports
NEMA 5-15, 15A 125V 	Black	USBB8200C5BK	USBB8200AC5BK	USBB8200A5BK
	Brown	USBB8200C5	USBB8200AC5	USBB8200A5
	Gray	USBB8200C5GY	USBB8200AC5GY	USBB8200A5GY
	Ivory	USBB8200C5I	USBB8200AC5I	USBB8200A5I
	Light Almond	USBB8200C5LA	USBB8200AC5LA	USBB8200A5LA
	Red	USBB8200C5R	USBB8200AC5R	USBB8200A5R
White	USBB8200C5W	USBB8200AC5W	USBB8200A5W	
NEMA 5-20, 20A 125V 	Black	USBB8300C5BK	USBB8300AC5BK	USBB8300A5BK
	Brown	USBB8300C5	USBB8300AC5	USBB8300A5
	Gray	USBB8300C5GY	USBB8300AC5GY	USBB8300A5GY
	Ivory	USBB8300C5I	USBB8300AC5I	USBB8300A5I
	Light Almond	USBB8300C5LA	USBB8300AC5LA	USBB8300A5LA
	Red	USBB8300C5R	USBB8300AC5R	USBB8300A5R
White	USBB8300C5W	USBB8300AC5W	USBB8300A5W	

Note: See page R-6 for tamper-resistant description.  
See page A-29 for technical specifications.

### Product Dimensions Inches (mm)

A	3.28" (83.3)
B	1.75" (44.5)
C	2.62" (66.5)
D	1.73" (43.9)
E	0.27" (6.8)





# Straight Blade Devices

## Hospital Grade • QUADPLEX® Receptacles



- Accepts up to four straight or angle plugs
- Heavy duty, triple-wipe, high performance brass line contacts for excellent retention and conductivity
- Break-off tab for two-circuit wiring (except surge)
- Saves wiring and installation time
- "A" and "B" circuits molded into face for easy identification
- Easily removable knockouts for mounting to octagon concrete ring or box

### QUADPLEX®

Mounts directly to 4" square or octagon boxes. No cover plate required. Can be retrofitted to 1 and 2-gang device boxes, mud rings on 4" boxes or 4 1/16" boxes using adapter plate. Rugged impact resistant construction. Break-off tabs for split circuit wiring (except surge units).

## 15A and 20A 125V Receptacles

### QUADPLEX®



Wiring		Terminal Screws				Wire leads		
Rating	Color	Standard	Color	Isolated Ground	Color	Surge Suppression Isolated Ground	Color	Standard
NEMA 5-15, 15A 125V 	Brown	<b>1254HB</b>	Orange	—	Blue	<b>1254HSA</b>	Brown	—
	Gray	<b>1254HGY</b>						
	Ivory	<b>1254HI</b>						
	Red	<b>1254HR</b>						
	White	<b>1254HW</b>						
NEMA 5-20, 20A 125V 	Brown	<b>21254HB</b>	Orange	<b>21254HIGO</b>	Blue	<b>21254HSA</b>	Brown	<b>21254HBL</b>
	Gray	<b>21254HGY</b>						
	Ivory	<b>21254HI</b>						
	Red	<b>21254HR</b>						
	White	<b>21254HW</b>						

Note: See Section C for isolated ground products. See page A-15 for additional information on QUADPLEX® surge receptacles.

## Adapter Plates and Portable Boxes

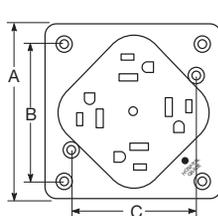
Color	Adapter Plates		Portable Boxes	
	For 1- and 2-Gang Device Boxes	For 4 1/16" Boxes	with Cord Grip	Feed-thru with Two Cord Grips
Black	<b>ADAPBLK</b>	—	<b>4SQBXBLK</b>	<b>4SQBXFBLK</b>
Blue	<b>ADAPBLU</b>	—	<b>4SQXBBLU</b>	—
Brown	<b>ADAPB</b>	—	<b>4SQBXB</b>	—
Gray	<b>ADAPGRY</b>	—	<b>4SQBXGRY</b>	—
Ivory	<b>ADAPI</b>	<b>ADAPIS</b>	<b>4SQBXI</b>	<b>4SQBXFI</b>
Orange	<b>ADAPO</b>	—	<b>4SQBXO</b>	—
Red	<b>ADAPR</b>	—	<b>4SQBXR</b>	<b>4SQBXFR</b>
White	<b>ADAPW</b>	—	<b>4SQBXW</b>	—



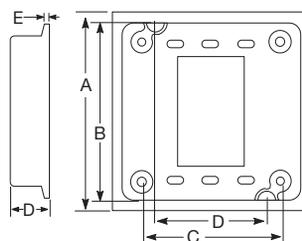
## Product Dimensions Inches (mm)

	Receptacle	Adapter Plate	Portable Box
A	4.30" (109.2)	4.78" (121.4)	4.30" (109.2)
B	3.38" (85.9)	4.25" (108.0)	4.05" (102.9)
C	3.02" (76.7)	3.38" (85.9)	3.28" (83.9)
D	0.92" (23.4)	2.75" (69.9)*	0.84" (21.3)
E	0.10" (2.6)	0.38" (9.5)	0.75" (19.1)
F	—	2.75" (6.9)	—

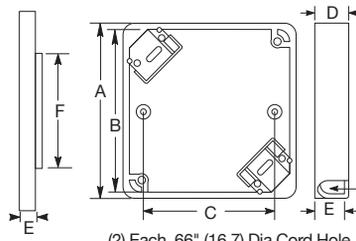
Note: \*Mounting dimensions for 4 1/16" adapter plate.



Receptacle



Adapter Plate



Portable Box

(2) Each .66" (16.7) Dia. Cord Hole

# Straight Blade Devices

## Hospital Grade ● Impact Resistant Plugs and Connectors



- Impact-resistant thermoplastic construction with automatic cord grip
- Transparent polycarbonate cover allows visual inspection of wire terminations without disassembly
- Pre-attached TPE (thermoplastic elastomer) dust seal helps prevent contaminants from entering wiring chamber
- Single side terminal screws reduce wiring time and are color coded for proper terminations

### Angled Plugs

All Bryant angle devices are ideally suited for any location where space restrictions or obstructions require the power cord to lay close to the wall or flat against the floor.

Bryant hospital grade transparent angle plugs are designed for straight blade applications in hospitals, as well as industrial, commercial and institutional environments – wherever attachment plugs must withstand severe abuse.

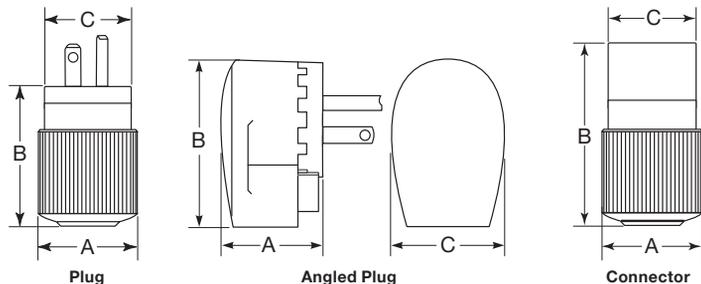
## 15A and 20A 125V and 20A 250V Plugs and Connectors, 2-Pole 3-Wire Inches (mm)



Device Type		Straight Plug		Angled Plug	Connector	
Rating	Cord Diameter	White Thermoplastic	Transparent Nylon/Polycarbonate	Transparent Nylon/Polycarbonate	White Thermoplastic	Transparent Nylon/Polycarbonate
NEMA 5-15, 15A 125V	.245"-.655" (6.2-16.6)	<b>BRY8266NP</b>	<b>8266T</b>	<b>8295T</b>	<b>BRY8269NC</b>	<b>8269T</b>
NEMA 5-20, 20A 125V	.245"-.655" (6.2-16.6)	<b>BRY8366NP</b>	<b>8366T</b>	<b>8395T</b>	<b>BRY8369NC</b>	<b>8369T</b>
NEMA 6-20, 20A 250V	.300"-.625" (7.6-15.9)	<b>BRY8466NP</b>	—	<b>8495T</b>	<b>BRY8469NC</b>	—

## Product Dimensions Inches (mm)

	Plug	Angled Plug	Connector
A	1.52" (38.6)	1.30" (33.0)	1.52" (38.6)
B	2.18" (55.4)	2.07" (52.6)	2.95" (74.9)
C	1.38" (35.1)	1.52" (38.6)	1.38" (35.1)



# Straight Blade Devices



## Industrial Grade Extra Heavy Duty, Specification Grade Duplex Receptacles



- Nylon construction with Circuit ID marking area
- Heavy duty nickel and brass plated steel wrap-around yoke
- Heavy duty, copper-alloy self-grounding system
- UL Listed, CSA Certified, Complies with NEMA® Standards WD-1 and WD-6, Listed to UL 498, Verified under Federal Specification WC596

### The BRY5362 Design

The one-piece ground system provides a more reliable continuity to ground than riveted designs. Triple-wipe brass line contacts deliver excellent conductivity for low resistance, low heat rise. Superior spring properties provide reliable, long-life blade retention. All nylon, wrap-around, full-face design provides secure assembly, even under stress.

### 15A and 20A 125V and 250V Receptacles, Back and Side Wired



Rating	Color	Duplex		Color	Isolated Ground		Color	Corrosion Resistant
		Standard	Weather Resistant		Standard	Weather Resistant		Standard
NEMA 5-15, 15A 125V 	Black	<b>BRY5262BLK</b>	<b>BRY5262BLKWR</b>	Brown Gray Ivory Orange White	<b>BRY5262IGB</b> <b>BRY5262IGGRY</b> <b>BRY5262IGI</b> <b>BRY5262IG</b> <b>BRY5262IGW</b>	— <b>BRY5262IGGRYWR</b> <b>BRY5262IGIWR</b> <b>BRY5262IGWR</b> <b>BRY5262IGWWR</b>	Brown Yellow	<b>BRY5262BCR</b> <b>BRY5262CR</b>
	Blue	<b>BRY5262BU</b>	<b>BRY5262BUWR</b>					
	Brown	<b>BRY5262</b>	<b>BRY5262WR</b>					
	Gray	<b>BRY5262GRY</b>	<b>BRY5262GRYWR</b>					
	Ivory	<b>BRY5262I</b>	<b>BRY5262IWR</b>					
Red	<b>BRY5262RED</b>	<b>BRY5262REDWR</b>						
White	<b>BRY5262W</b>	<b>BRY5262WWR</b>						
NEMA 5-20, 20A 125V 	Black	<b>BRY5362BLK</b>	<b>BRY5362BLKWR</b>	Brown Gray Ivory Orange White	<b>BRY5362IGB</b> <b>BRY5362IGGRY</b> <b>BRY5362IGI</b> <b>BRY5362IG</b> <b>BRY5362IGW</b>	— <b>BRY5362IGGRYWR</b> <b>BRY5362IGIWR</b> <b>BRY5362IGWR</b> <b>BRY5362IGWWR</b>	Yellow	<b>BRY5362CR</b>
	Blue	<b>BRY5362BU</b>	<b>BRY5362BUWR</b>					
	Brown	<b>BRY5362</b>	<b>BRY5362WR</b>					
	Gray	<b>BRY5362GRY</b>	<b>BRY5362GRYWR</b>					
	Ivory	<b>BRY5362I</b>	<b>BRY5362IWR</b>					
Red	<b>BRY5362RED</b>	<b>BRY5362REDWR</b>						
White	<b>BRY5362W</b>	<b>BRY5362WWR</b>						
NEMA 6-15, 15A 250V 	Black	<b>BRY5662BLK</b>	—	Orange	<b>BRY5662IG</b>	—	Yellow	<b>BRY5662CR</b>
	Brown	<b>BRY5662</b>	—					
	Gray	<b>BRY5662GRY</b>	—					
	Ivory	<b>BRY5662I</b>	—					
	Red	<b>BRY5662RED</b>	—					
White	<b>BRY5662W</b>	—						
NEMA 6-20, 20A 250V 	Black	<b>BRY5462BLK</b>	—	Orange	<b>BRY5462IG</b>	—	Yellow	<b>BRY5462CR</b>
	Brown	<b>BRY5462</b>	—					
	Gray	<b>BRY5462GRY</b>	—					
	Ivory	<b>BRY5462I</b>	—					
	Red	<b>BRY5462RED</b>	—					
White	<b>BRY5462W</b>	—						

Note: See page R-6 for weather resistant description. See page A-28 for technical specifications.

See Section C for isolated ground products. See page R-6 for weather resistant description.

See Section I for corrosion-resistant products.

### 15A and 20A 125V Specialty Receptacles

Inches (mm)

Rating	Description	Color	Catalog Number
NEMA 5-15, 15A 125V	BRY5262 on 4.0" (101.6) round metal box cover	Brown	<b>BRY5282</b>
NEMA 5-20, 20A 125V	BRY5362 on 4.0" (101.6) round metal box cover	Brown	<b>BRY5382</b>

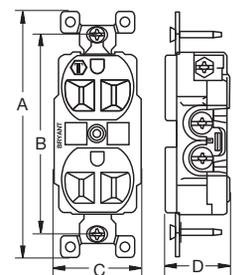
NEMA® is a registered trademark of the National Electrical Manufacturers Association.



### Product Dimensions

Inches (mm)

A	4.06" (103.1)
B	3.28" (83.3)
C	1.54" (39.1)
D	1.16" (29.5)



# Straight Blade Devices

## Industrial Grade Extra Heavy Duty, Specification Grade Single Receptacles

### 15A and 20A 125V and 250V Receptacles, Back and Side Wired



Rating	Color	Single		Color	Isolated Ground		Color	Corrosion Resistant
		Standard	Weather Resistant		Standard	Weather Resistant		Standard
NEMA 5-15, 15A 125V 	Black	<b>5261BLK</b>	<b>5261BLKW</b>	Gray Ivory Orange White	<b>5261IGGRY</b> <b>5261IGI</b> <b>5261IG</b> <b>5261IGW</b>	<b>5261IGGRYWR</b> <b>5261IGIWR</b> <b>5261IGWR</b> <b>5261IGWWR</b>	Yellow	<b>5261CR</b>
	Brown	<b>5261</b>	<b>5261WR</b>					
	Gray	<b>5261GRY</b>	<b>5261GRYWR</b>					
	Ivory	<b>5261I</b>	<b>5261IWR</b>					
	Red	<b>5261RED</b>	<b>5261REDWR</b>					
White	<b>5261W</b>	<b>5261WWR</b>						
NEMA 5-20, 20A 125V 	Black	<b>5361BLK</b>	<b>5361BLKW</b>	Gray Ivory Orange White	<b>5361IGGRY</b> <b>5361IGI</b> <b>5361IG</b> <b>5361IGW</b>	<b>5361IGGRYWR</b> <b>5361IGIWR</b> <b>5361IGWR</b> <b>5361IGWWR</b>	Yellow	<b>5361CR</b>
	Brown	<b>5361</b>	<b>5361WR</b>					
	Gray	<b>5361GRY</b>	<b>5361GRYWR</b>					
	Ivory	<b>5361I</b>	<b>5361IWR</b>					
	Red	<b>5361RED</b>	<b>5361REDWR</b>					
White	<b>5361W</b>	<b>5361WWR</b>						
NEMA 6-15, 15A 250V 	Black	<b>5661BLK</b>	—				Yellow	—
	Brown	<b>5661</b>	—					
	Gray	<b>5661GRY</b>	—					
	Ivory	<b>5661I</b>	—					
	Red	<b>5661RED</b>	—					
White	<b>5661W</b>	—						
NEMA 6-20, 20A 250V 	Black	<b>5461BLK</b>	—				Yellow	<b>5461CR</b>
	Brown	<b>5461</b>	—					
	Gray	<b>5461GRY</b>	—					
	Ivory	<b>5461I</b>	—					
	Red	<b>5461RED</b>	—					
White	<b>5461W</b>	—						

Notes: See page R-6 for weather resistant description.

See Section C for isolated ground products.  
See page R-6 for weather resistant description.

See Section I for corrosion-resistant products.

### 15A and 20A 125V Short Yoke Receptacles



Wiring		Back and Side Wired		Side Wired
Rating	Color	Standard	Weather Resistant	Urea Face
NEMA 5-15, 15A 125V	Brown	<b>5284</b>	<b>5284WR</b>	<b>5258</b>
NEMA 5-20, 20A 125V	Brown	—	<b>5384WR</b>	—
NEMA 6-15, 15A 250V	Brown	<b>5684</b>	—	—
NEMA 6-20, 20A 250V	Brown	<b>5484</b>	—	—

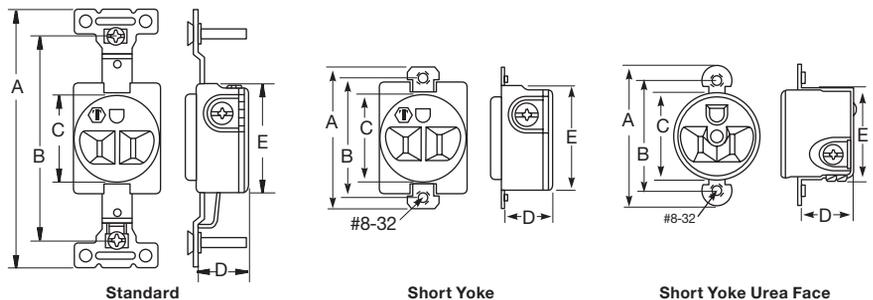
### 15A and 20A 125V Specialty Receptacles



Rating	Description	Color	Catalog Number
NEMA 5-15, 15A 125V	5261 on 4.0" (101.6) round metal box cover	Brown	<b>5281</b>

### Product Dimensions Inches (mm)

	Single	Short Yoke	Short Yoke Urea Face
A	4.06" (103.1)	2.25" (57.2)	2.25" (57.2)
B	3.28" (83.3)	1.94" (49.3)	1.75" (44.5)
C	1.38" (35.1)	1.38" (35.1)	1.38" (35.1)
D	0.91" (23.1)	0.81" (20.6)	0.85" (21.6)
E	1.78" (45.2)	1.78" (45.3)	1.49" (37.8)



# Straight Blade Devices



## Heavy Duty, Specification Grade Receptacles

### 15A and 20A 125V and 250V Receptacles and Equipment Base Devices

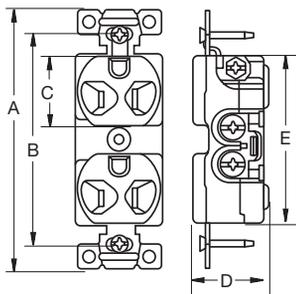
**TECH-SPEC®**



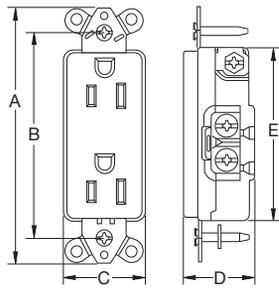
Style		Receptacles						Equipment Base Devices - Clamp-Type, Back Wiring			
		Duplex			Decoratator	Single		Male		Female	
Rating	Color	Weather Resistant	Back and Side Wired	Back and Side Wired	Side Wired	Back and Side Wired	Side Wired	Color	Nylon Cup	Self-Grounding Strap	Nylon Cup
NEMA 5-15, 15A 125V 	Black	5262BBLKWR	5262BBLK	—	5242BLK	9252BLK	—	Black	—	5278G	—
	Brown	5262BNWR	5262BN	—	5242	9252	5251	White	5278	—	5279
	Gray	5262BGRYWR	5262BGRY	—	5242GRY	9252GRY	—				
	Ivory	5262BIWR	5262BI	5251I	5242I	9252I	5251I				
	Red	5262BREDWR	5262BRED	—	5242RED	—	—				
	White	5262BWWR	5262BW	5252W	5242W	9252W	—				
NEMA 5-20, 20A 125V 	Black	5362BBLKWR	5362BBLK	—	5342BLK	9352BLK	5351BLK	Black	—	5378G	—
	Brown	5362BNWR	5362BN	—	5342	9352BRN	5351	White	5378	—	5379
	Gray	5362BGRYWR	5362BGRY	—	5342GRY	9352GRY	—				
	Ivory	5362BIWR	5362BI	5351I	5342I	9352I	5351I				
	Red	5362BREDWR	5362BRED	—	5342RED	—	—				
	White	5362BWWR	5362BW	5352W	5342W	9352W	—				
NEMA 6-15, 15A 250V 								White	5678	5678G	5679
NEMA 6-20, 20A 250V 								White	5478	—	5479

### Product Dimensions Inches (mm)

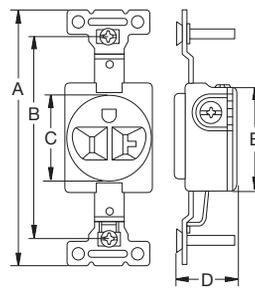
	Receptacle			Equipment Devices	
	Duplex	Decoratator	Single	Male	Female
A	4.06" (103.1)	4.06" (103.1)	4.06" (103.1)	1.84" (46.7)	1.84" (46.7)
B	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)	2.00" (50.8)	2.00" (50.8)
C	1.38" (35.1)	1.36" (34.5)	1.38" (35.1)	2.50" (63.5)	2.50" (63.5)
D	0.92" (23.4)	1.03" (26.2)	0.92" (23.4)	1.61" (40.9)	1.47" (37.3)
E	2.68" (68.1)	2.75" (69.9)	1.78" (45.2)	1.55" (39.4)	1.31" (33.3)



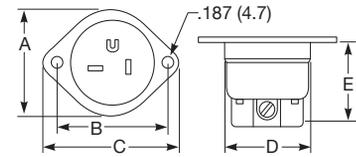
Duplex Receptacle



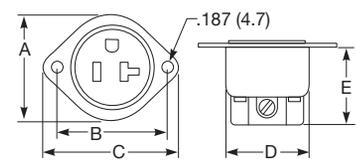
Duplex Receptacle



Single Receptacle



Male Equipment Device



Female Equipment Device



# Straight Blade Devices

## Heavy Duty, Industrial Grade Combination, Specification Grade Receptacles

### 15A and 20A 125V and 250V Self-Grounding Combination Receptacles, Back and Side Wired

Rating		Description	Color	Duplex
NEMA 5-15, 15A 125V 	NEMA 6-15, 15A 250V 	Combination 15A 125V and 15A 250V, nylon construction	Brown Gray Ivory	<b>BRY5292</b> <b>BRY5292GRY</b> <b>BRY5292I</b>
NEMA 5-20, 20A 125V 	NEMA 6-20, 20A 250V 	Combination 20A 125V and 20A 250V, nylon construction	Brown Gray Ivory	<b>BRY5492</b> <b>BRY5492GRY</b> <b>BRY5492I</b>
NEMA 5-15, 15A 125V 	NEMA L5-15, 15A 125V 	Combination 15A 125V straight blade and locking, reinforced thermoplastic polyester, 1 feed, 1 return	Brown	<b>4792DR</b>

Note: Combination devices accommodate standard duplex wallplates, see Section P.



## Industrial Grade, Receptacle and Attachment Plugs

### 15A 277V and 347V Grounding Devices Inches (mm)



Rating	Color	Heavy Duty Industrial Duplex Receptacle		Attachment Plug
		Standard	On Round Metal Box Cover 4.0" (101.6)	Clamp-Type Terminals Dead Front .296-.625" (7.5-15.9)
NEMA 7-15, 15A 277V 	Brown Black	<b>5762</b>	<b>5782*</b>	— <b>5756</b>
NEMA/CSA 24-15, 15A 347V 	Black	—	—	<b>5856</b>

Note: \*Not UL Listed or CSA Certified.

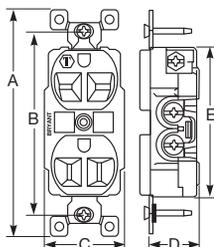
### Polarity Tester



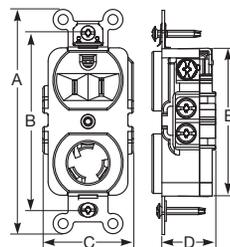
Description	Catalog Number
Circuit tester with neon indicator lamps to check NEMA 5-15 and 5-20 receptacles	<b>5266PT</b>

## Product Dimensions Inches (mm)

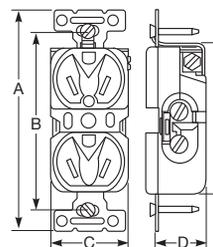
	Combination Receptacles		Heavy Duty Industrial Duplex	Attachment Plug
	BRY5292/BRY5492	Straight Blade & Locking		
A	4.06" (103.1)	4.06" (103.1)	4.06" (103.1)	1.72" (43.7)
B	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)	1.54" (39.1)
C	1.54" (39.1)	1.69" (42.9)	1.38" (35.1)	—
D	1.16" (29.5)	1.19" (30.2)	0.86" (21.8)	—
E	2.69" (68.3)	2.74" (69.6)	2.62" (66.5)	—



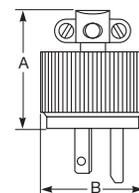
BRY5292/BRY5492



Straight Blade & Locking



Heavy Duty Industrial Duplex



Attachment Plug

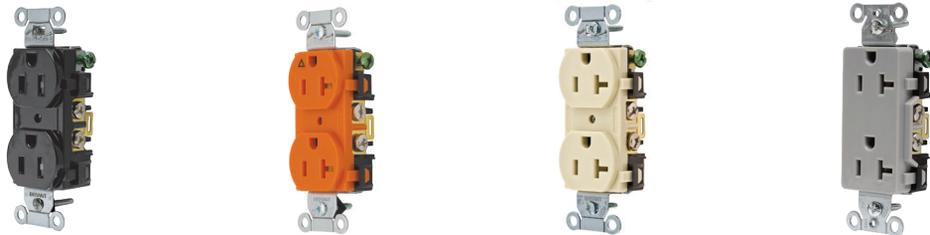
# Straight Blade Devices

## Commercial Grade Duplex Receptacles



- Self-grounding staple
- Impact resistant molded nylon face and base
- Sturdy construction with wrap-around galvanized steel strap
- Thread cleaning, captive mounting screws
- Easy access break-off tab for two-circuit wiring
- Tri-drive steel binding head terminal screws accept up to #10 AWG
- Double-wipe ground contact
- Eight wiring pockets with clamp-type terminals on back-wired devices
- Backed-out green tri-drive grounding screw
- One piece brass line contacts
- UL, CSA, Fed-Spec® and NOM (Fed. Spec. on CBRS devices only)

## 15A and 20A 125V Self-Grounding Receptacles

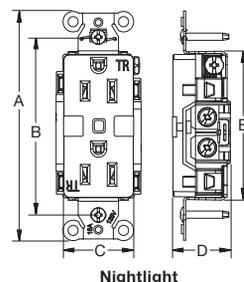
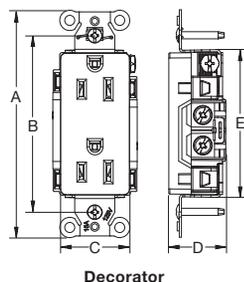
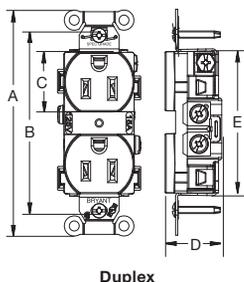


Wiring		Side Wired		Back and Side Wired	
Rating	Color	Duplex	Isolated Ground	Duplex*	Decorator
NEMA 5-15, 15A 125V	Black	<b>CRS15BLK</b>	—	<b>CBRS15BLK</b>	<b>DRS15BLK</b>
	Brown	<b>CRS15</b>	—	<b>CBRS15</b>	<b>DRS15</b>
	Gray	<b>CRS15GRY</b>	<b>CR15IGRY</b>	<b>CBRS15GRY</b>	<b>DRS15GRY</b>
	Ivory	<b>CRS15I</b>	<b>CR15IGI</b>	<b>CBRS15I</b>	<b>DRS15I</b>
	Light Almond	<b>CRS15LA</b>	—	<b>CBRS15LA</b>	<b>DRS15LA</b>
	Orange	—	<b>CR15IG</b>	—	—
White	<b>CRS15W</b>	<b>CR15IGW</b>	<b>CBRS15W</b>	<b>DRS15WHI</b>	
NEMA 5-20, 20A 125V	Black	<b>CRS20BLK</b>	—	<b>CBRS20BLK</b>	<b>DRS20BLK</b>
	Brown	<b>CRS20</b>	—	<b>CBRS20</b>	<b>DRS20</b>
	Gray	<b>CRS20GRY</b>	<b>CR20IGRY</b>	<b>CBRS20GRY</b>	<b>DRS20GRY</b>
	Ivory	<b>CRS20I</b>	<b>CR20IGI</b>	<b>CBRS20I</b>	<b>DRS20I</b>
	Light Almond	<b>CRS20LA</b>	—	<b>CBRS20LA</b>	<b>DRS20LA</b>
	Orange	—	<b>CR20IG</b>	—	—
White	<b>CRS20W</b>	<b>CR20IGW</b>	<b>CBRS20W</b>	<b>DRS20WHI</b>	

Note: See Section C for isolated ground products.  
\*Fed. Spec. Listed.

## Product Dimensions Inches (mm)

	Duplex	Decorator	Tamper-Resistant	Weather Resistant	Tamper-Resistant, Weather Resistant	Decorator, Nightlight
A	4.06" (103.1)	4.06" (103.1)	4.06" (103.1)	4.06" (103.1)	4.06" (103.1)	4.14" (105.1)
B	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)
C	1.38" (35.1)	—	1.38" (35.1)	1.38" (35.1)	1.38" (35.1)	1.29" (32.7)
D	1.07" (27.1)	1.07" (27.1)	1.15" (29.2)	1.17" (29.7)	1.15" (29.2)	1.15" (29.2)
E	2.73" (69.4)	2.73" (69.4)	2.73" (69.4)	2.73" (69.4)	2.73" (69.4)	2.73" (69.4)

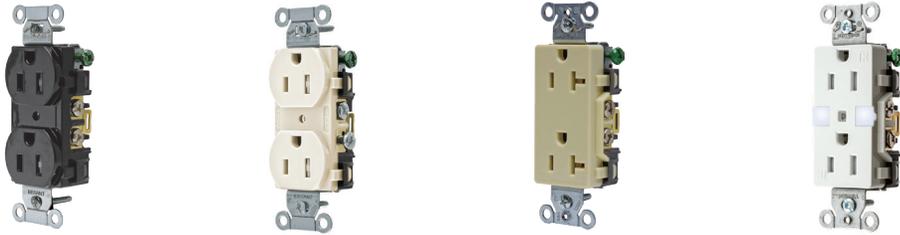


# Straight Blade Devices

## Commercial Grade Duplex Tamper-Resistant Receptacles



### 15A and 20A 125V Self-Grounding Tamper-Resistant Receptacles



Wiring		Side Wired		Back and Side Wired	
Rating	Color	Standard	Standard*	Decorator	Decorator, Nightlight
NEMA 5-15, 15A 125V 	Black	<b>CRS15BLKTR</b>	<b>CBRS15BLKTR</b>	<b>DRS15BLKTR</b>	—
	Brown	<b>CRS15TR</b>	<b>CBRS15TR</b>	<b>DRS15TR</b>	—
	Gray	<b>CRS15GRYTR</b>	<b>CBRS15GRYTR</b>	<b>DRS15GRYTR</b>	—
	Ivory	<b>CRS15ITR</b>	<b>CBRS15ITR</b>	<b>DRS15ITR</b>	<b>DRS15NLI</b>
	Light Almond White	<b>CRS15LATR</b> <b>CRS15WTR</b>	<b>CBRS15LATR</b> <b>CBRS15WTR</b>	<b>DRS15LATR</b> <b>DRS15WTR</b>	<b>DRS15NLLA</b> <b>DRS15NLW</b>
NEMA 5-20, 20A 125V 	Black	<b>CRS20BLKTR</b>	<b>CBRS20BLKTR</b>	<b>DRS20BLKTR</b>	—
	Brown	<b>CRS20TR</b>	<b>CBRS20TR</b>	<b>DRS20TR</b>	—
	Gray	<b>CRS20GRYTR</b>	<b>CBRS20GRYTR</b>	<b>DRS20GRYTR</b>	—
	Ivory	<b>CRS20ITR</b>	<b>CBRS20ITR</b>	<b>DRS20ITR</b>	—
	Light Almond White	<b>CRS20LATR</b> <b>CRS20WTR</b>	<b>CBRS20LATR</b> <b>CBRS20WTR</b>	<b>DRS20LATR</b> <b>DRS20WTR</b>	—

Note: See page R-6 for tamper-resistant and weather resistant descriptions.  
See page A-11 for dimensional art.  
\*Fed. Spec. Listed.

### 15A and 20A 125V Self-Grounding Weather Resistant and Tamper-Resistant Receptacles



Wiring		Back and Side Wired	
Rating	Color	Standard	Decorator
NEMA 5-15, 15A 125V 	Black	<b>CBRS15BLKWTR</b>	<b>DRS15BLKWTR</b>
	Brown	<b>CBRS15WRTR</b>	<b>DRS15WRTR</b>
	Gray	<b>CBRS15GRYWRTR</b>	<b>DRS15GRYWRTR</b>
	Ivory	<b>CBRS15IWRTR</b>	<b>DRS15IWRTR</b>
	Light Almond White	<b>CBRS15LAWRTR</b> <b>CBRS15WWRTR</b>	<b>DRS15LAWRTR</b> <b>DRS15WWRTR</b>
NEMA 5-20, 20A 125V 	Black	<b>CBRS20BLKWTR</b>	<b>DRS20BLKWTR</b>
	Brown	<b>CBRS20WRTR</b>	<b>DRS20WRTR</b>
	Gray	<b>CBRS20GRYWRTR</b>	<b>DRS20GRYWRTR</b>
	Ivory	<b>CBRS20IWRTR</b>	<b>DRS20IWRTR</b>
	Light Almond White	<b>CBRS20LAWRTR</b> <b>CBRS20WWRTR</b>	<b>DRS20LAWRTR</b> <b>DRS20WWRTR</b>

Note: See page R-6 for tamper-resistant and weather resistant descriptions.  
See page A-11 for dimensional art.

### 15A and 20A 125V Self-Grounding Weather Resistant Receptacles



Wiring		Back and Side Wired	
Rating	Color	Standard	Decorator*
NEMA 5-15, 15A 125V 	Black	<b>CBRS15BLKWTR</b>	<b>DRS15BLKWTR</b>
	Brown	<b>CBRS15WRTR</b>	<b>DRS15WRTR</b>
	Gray	<b>CBRS15GRYWRTR</b>	<b>DRS15GRYWRTR</b>
	Ivory	<b>CBRS15IWRTR</b>	<b>DRS15IWRTR</b>
	Light Almond White	<b>CBRS15LAWRTR</b> <b>CBRS15WWRTR</b>	<b>DRS15LAWRTR</b> <b>DRS15WWRTR</b>
NEMA 5-20, 20A 125V 	Black	<b>CBRS20BLKWTR</b>	<b>DRS20BLKWTR</b>
	Brown	<b>CBRS20WRTR</b>	<b>DRS20WRTR</b>
	Gray	<b>CBRS20GRYWRTR</b>	<b>DRS20GRYWRTR</b>
	Ivory	<b>CBRS20IWRTR</b>	<b>DRS20IWRTR</b>
	Light Almond White	<b>CBRS20LAWRTR</b> <b>CBRS20WWRTR</b>	<b>DRS20LAWRTR</b> <b>DRS20WWRTR</b>

Note: \*Fed. Spec. Listed.

# Straight Blade Devices



## Permanently Marked Receptacles



- Permanent power symbol remains clearly visible after installation
- Control both outlets per device for 100% controlled applications or just one outlet for 50% controlled applications
- Ideal for commercial buildings, retail, schools, hotel rooms
- Part of the Bryant Automatic Outlet Control Systems. Visit [www.bryant-electric.com](http://www.bryant-electric.com) for details

### Permanently Marked Receptacles

Bryant permanently marked receptacles for automatic outlet control systems are embossed with the universally recognized power symbol and the word "CONTROLLED." These markings clearly identify which convenience outlets are turned OFF when the workspace is vacant.

## Bryant Permanently Marked Receptacles for use with Automatic Outlet Control Systems



Rating	Description	Color	One Controlled Face, Split Circuit Hot Tab	Two Controlled Faces	One Controlled Face, Split Circuit Hot Tab	Two Controlled Faces
			Duplex	Duplex	Decorator	Decorator
NEMA 5-15, 15A 125V 	Permanently marked for use with automatic outlet control systems, smooth nylon face, back and side wired	Black Brown Gray Ivory Light Almond White	CBRS15C1BLK CBRS15C1 CBRS15C1GRY CBRS15C1I CBRS15C1LA CBRS15C1WHI	CBRS15C2BLK CBRS15C2 CBRS15C2GRY CBRS15C2I CBRS15C2LA CBRS15C2WHI	DRS15C1BLK DRS15C1 DRS15C1GRY DRS15C1I DRS15C1LA DRS15C1WHI	DRS15C2BLK DRS15C2 DRS15C2GRY DRS15C2I DRS15C2LA DRS15C2WHI
NEMA 5-20, 20A 125V 	Permanently marked for use with automatic outlet control systems, smooth nylon face, back and side wired	Black Brown Gray Ivory Light Almond White	CBRS20C1BLK CBRS20C1 CBRS20C1GRY CBRS20C1I CBRS20C1LA CBRS20C1WHI	CBRS20C2BLK CBRS20C2 CBRS20C2GRY CBRS20C2I CBRS20C2LA CBRS20C2WHI	DRS20C1BLK DRS20C1 DRS20C1GRY DRS20C1I DRS20C1LA DRS20C1WHI	DRS20C2BLK DRS20C2 DRS20C2GRY DRS20C2I DRS20C2LA DRS20C2WHI

Note: Blue, green and red devices are available as MTO, consult factory.

### Permanent Controlled Receptacle Label

Description	Catalog Number
For use in retrofit applications where indication of a controlled receptacle is required, this label is UL approved for marking and labeling, 60 labels of each per pack	<b>BCL60</b>

### Codes and Standards

<p>2020 National Electrical Code® </p> <p>NEC® Section 406.3(E) requires that all nonlocking, 125 V, 15A and 20A receptacles controlled by an automatic control device or by an automatic energy management system must be marked with the power symbol and the word "CONTROLLED".</p>	<p>ASHRAE Standard 90.1 2019 </p> <p>Standard 90.1-2010 requires that 50 percent of all 125V, 15A and 20A receptacles in private offices, open offices, and computer classrooms be controlled by an automatic control device. Controlled receptacles need to be marked to differentiate them from non-controlled receptacles.</p>	<p>California Title 24 Building Energy Efficiency Standards 2019 </p> <p>California Title 24 2013 requires that in all buildings, both controlled and uncontrolled 120V receptacles shall be provided in each private office, open office area, reception lobby, conference room, kitchenette in office spaces, and copy room.</p>
--	---	--

# Straight Blade Devices

## QUADPLEX® Receptacles and Cord Sets



- Accepts up to four straight or angle plugs
- Heavy duty, triple-wipe, high performance brass line contacts for excellent retention and conductivity
- Break-off tab for two-circuit wiring (except surge)
- Saves wiring and installation time
- "A" and "B" circuits molded into face for easy identification
- Easily removable knockouts for mounting to octagon concrete ring or box

### QUADPLEX®

Mounts directly to 4" square or octagon boxes. No cover plate required. Can be retrofitted to 1 and 2-gang device boxes, mud rings on 4" boxes or 4 1/16" boxes using adapter plate. Rugged impact resistant construction. Break-off tabs for split circuit wiring (except surge units).

## 15A and 20A 125V Receptacles and Cord Sets

### QUADPLEX®



Rating	Color	Standard	Color	Isolated Ground	Color	Surge Suppression Isolated Ground	6 Foot Cord Sets, 12/3 SJO		
							Surge Suppression	GFCI	
NEMA 5-15, 15A 125V 	Black	<b>1254BLK</b>	Orange	<b>1254IGO</b>	Blue Ivory	<b>1254SA</b> <b>1254SIA</b>	Ivory	<b>T1254SI6A</b>	—
	Brown	<b>1254B</b>					Yellow	—	<b>T1254GF6</b>
	Gray	<b>1254GY</b>							
	Ivory	<b>1254I</b>							
	Red	<b>1254R</b>							
NEMA 5-20, 20A 125V 	Black	<b>21254BLK</b>	Orange	<b>21254HIGO</b>	Blue Ivory	<b>21254SA</b> <b>21254SIA</b>			
	Brown	<b>21254B</b>							
	Gray	<b>21254GY</b>							
	Ivory	<b>21254I</b>							
	Red	<b>21254R</b>							
White	<b>21254W</b>								

Note: See Section C for isolated ground and surge protection products.

## Adapter Plates and Portable Boxes

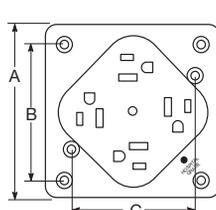
Color	Adapter Plates		Portable Boxes	
	For 1- and 2-Gang Device Boxes	For 4 1/16" Boxes	with Cord Grip	Feed-thru with Two Cord Grips
Black	<b>ADAPBLK</b>	—	<b>4SQBXBLK</b>	<b>4SQBXFBLK</b>
Blue	<b>ADAPBLU</b>	—	<b>4SQXBLU</b>	—
Brown	<b>ADAPB</b>	—	<b>4SQBXB</b>	—
Gray	<b>ADAPGRY</b>	—	<b>4SQBXGRY</b>	—
Ivory	<b>ADAPI</b>	<b>ADAPIS</b>	<b>4SQBXI</b>	<b>4SQBXFI</b>
Orange	<b>ADAPO</b>	—	<b>4SQBXO</b>	—
Red	<b>ADAPR</b>	—	<b>4SQBXR</b>	<b>4SQBXFR</b>
White	<b>ADAPW</b>	—	<b>4SQBXW</b>	—



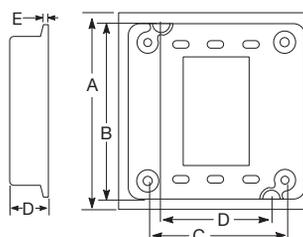
## Product Dimensions Inches (mm)

	Receptacle	Adapter Plate	Portable Box
A	4.30" (109.2)	4.78" (121.4)	4.30" (109.2)
B	3.38" (85.9)	4.25" (108.0)	4.05" (102.9)
C	3.02" (76.7)	3.38" (85.9)	3.28" (85.9)
D	0.92" (23.4)	2.75" (69.9)*	0.84" (21.3)
E	0.10" (2.6)	0.38" (9.5)	0.75" (19.1)
F	—	2.75" (6.9)	—

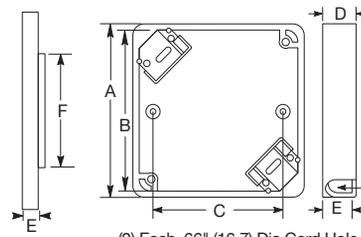
Note: \*Mounting dimensions for 4 1/16" adapter plate.



Receptacle



Adapter Plate



Portable Box

(2) Each .66" (16.7) Dia. Cord Hole

# Straight Blade Devices

## USB Charger Receptacles and Outlets

### USB Charger Receptacles and Outlets

More Ways to Charge Faster with Bryant's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Bryant's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

The 4 Port and 2 Port Charger Outlet feature a USB port door, which when open enables power. When closed, all power is switched OFF. This eliminates all current flow for a "zero" no-load draw. Buildings looking to provide 100% green efficiency in power delivery will maximize LEED and energy efficient design.

#### Common Features

- Green LED indicator to show USB power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products

### Features and Benefits



#### Types of USB Chargers

- Two Type-C ports, one Type A and one Type-C port, or two Type A port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle



#### USB Charger Receptacles

- Standard and Hospital Grade
- Provides both USB and electrical power in a standard single gang opening
- Back and side wired



#### Identification

- Patented Bryant TR technology uses cam action shutters; the friction-free design of the mechanism's doors requires much less force to open
- Green LED indicator to show USB power available



#### Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Power indicating green LED light



#### 4 Port Outlet

- 4 Port outlet, 5 Amp, 5V DC, Type-C, Type A&C and Type A class 2.0
- 4 Port has switch activated port door; when closed, all power is switched OFF



#### Switch Combo Outlet

- Switch Combo has two USB ports 2.1 Amp, 5 Volt DC, Type A, class 2.0
- Isolated 15 Amp, 120V AC single pole/3-way switch



Apple® is a registered trademark of Apple Inc.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Straight Blade Devices



## USB Charger Receptacles and Outlets



### Weather Resistant Receptacle Features

- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Type A&C USB ports
- Power indicating green LED light



### Weather and Tamper-Resistant USB Charger Duplex Receptacles



Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle, One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, weather/tamper-resistant USB ports rated 10,000 cycles; Commercial Grade.	Black	<b>USBB15AC5BKWR</b>	<b>USBB20AC5BKWR</b>
	Brown	<b>USBB15AC5WR</b>	<b>USBB20AC5WR</b>
	Gray	<b>USBB15AC5GYWR</b>	<b>USBB20AC5GYWR</b>
	Ivory	<b>USBB15AC5IWR</b>	<b>USBB20AC5IWR</b>
	Light Almond	<b>USBB15AC5LAWR</b>	<b>USBB20AC5LAWR</b>
	White	<b>USBB15AC5WWR</b>	<b>USBB20AC5WWR</b>

Note: Outdoor circuits should be GFCI protected per national and local electric codes.

## 15A and 20A 125V USB Charger Receptacles



Wiring		Back and Side Wired		
Face		Decorator		
Rating	Color	(2) Type-C Ports	(1) Type A & (1) Type-C Port	(2) Type A Ports
NEMA 5-15, 15A 125V 	Black	<b>USBB15C5BK</b>	<b>USBB15AC5BK</b>	<b>USBB15A5BK</b>
	Brown	<b>USBB15C5</b>	<b>USBB15AC5</b>	<b>USBB15A5</b>
	Gray	<b>USBB15C5GY</b>	<b>USBB15AC5GY</b>	<b>USBB15A5GY</b>
	Ivory	<b>USBB15C5I</b>	<b>USBB15AC5I</b>	<b>USBB15A5I</b>
	Lt. Almond	<b>USBB15C5LA</b>	<b>USBB15AC5LA</b>	<b>USBB15A5LA</b>
	White	<b>USBB15C5W</b>	<b>USBB15AC5W</b>	<b>USBB15A5W</b>
NEMA 5-20, 20A 125V 	Black	<b>USBB20C5BK</b>	<b>USBB20AC5BK</b>	<b>USBB20A5BK</b>
	Brown	<b>USBB20C5</b>	<b>USBB20AC5</b>	<b>USBB20A5</b>
	Gray	<b>USBB20C5GY</b>	<b>USBB20AC5GY</b>	<b>USBB20A5GY</b>
	Ivory	<b>USBB20C5I</b>	<b>USBB20AC5I</b>	<b>USBB20A5I</b>
	Lt. Almond	<b>USBB20C5LA</b>	<b>USBB20AC5LA</b>	<b>USBB20A5LA</b>
	White	<b>USBB20C5W</b>	<b>USBB20AC5W</b>	<b>USBB20A5W</b>

Note: See page R-6 for tamper-resistant description. See page A-29 for technical specifications.

## 4 Port USB Charger Outlets



Back and Side Wired		
Decorator		
(4) Type-C Ports	(2) Type A & (2) Type-C Port	(4) Type A Ports
<b>USBB4CBK</b>	<b>USBB4ACBK</b>	<b>USBB4BK</b>
<b>USBB4C</b>	<b>USBB4AC</b>	<b>USBB4</b>
<b>USBB4CGY</b>	<b>USBB4ACGY</b>	<b>USBB4GY</b>
<b>USBB4CI</b>	<b>USBB4ACI</b>	<b>USBB4I</b>
<b>USBB4CLA</b>	<b>USBB4ACLA</b>	<b>USBB4LA</b>
<b>USBB4CW</b>	<b>USBB4ACW</b>	<b>USBB4W</b>

## Switch Combo Outlets

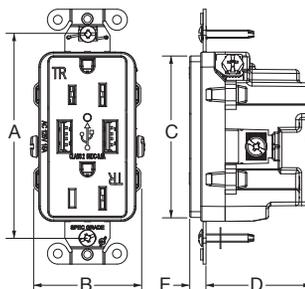
Switch Combo, (2) Type A Ports

- USBB102BK**
- USBB102**
- USBB102GY**
- USBB102I**
- USBB102LA**
- USBB102W**

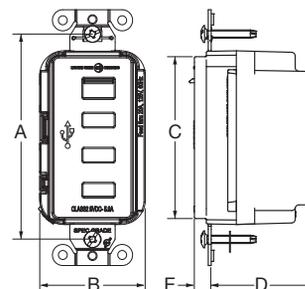


## Product Dimensions Inches (mm)

	Duplex	4 Port	2 Port
A	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)
B	1.75" (44.5)	1.72" (43.8)	1.75" (44.5)
C	2.62" (66.5)	2.62" (66.5)	2.62" (66.5)
D	1.73" (43.9)	1.73" (43.9)	1.01" (25.8)
E	0.27" (6.8)	0.27" (6.8)	0.30" (7.6)



Duplex Receptacles



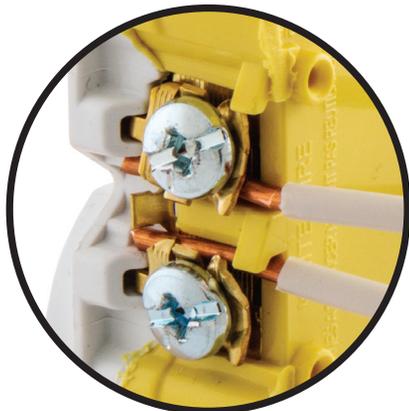
4 Port

# Straight Blade Devices



## Residential Grade Duplex and Decorator Receptacles

### Best Solution for Residential 15A & 20A Branch Circuit Wiring



**Fast and Secure**



- 1** Strip the wire
- 2** Insert the wire
- 3** Clamp the connection

### XClamp and Duplex Receptacles

- Eliminates the need to loop the wire
- External back-wire clamp for fast and easy installation of 15A & 20A branch circuits in residential applications
- Compression plates maximize holding power to provide a stronger, more secure connection
- Terminate up to 8 wires
- Accommodates #12 & #14 AWG wire
- Break-off tabs for switched receptacle applications
- Tamper-resistant shutter complies with NEC®

### XClamp Duplex Receptacles

Description	Color	Catalog Number
Tamper-Resistant, 15A 125V, 2 Pole, 3 Wire Grounding, 20A Circuit Rated	Ivory	<b>RR15SITRX</b>
	Light Almond	<b>RR15SLATRX</b>
	White	<b>RR15SWTRX</b>



### 15A 125V Quick Thread TR Receptacles



Wiring		Push and Side Wired	Eight Push Wire Holes Only
Grounding		Self-Grounding	#14 AWG Only
Rating	Color	Catalog Number	Catalog Number
NEMA 5-15, 15A 125V	Black	<b>RR15QBKTR</b>	<b>RR15QBKTR</b>
	Brown	<b>RR15QTR</b>	<b>RR15EQTR</b>
	Gray	—	—
	Ivory	<b>RR15QITR</b>	<b>RR15EQITR</b>
	Light Almond	<b>RR15QLATR</b>	<b>RR15EQLATR</b>
	White	<b>RR15QWTR</b>	<b>RR15EQWTR</b>

### 15A 125V Duplex and Decorator Receptacles



Wiring		Push and Side Wired		
Grounding		Self-Grounding	Grounding	
Rating	Color	Duplex	Decorator	Earless Duplex
NEMA 5-15, 15A 125V	Black	—	<b>RRD15SBK</b>	—
	Brown	<b>RR15S</b>	<b>RRD15S</b>	<b>RR15K</b>
	Gray	—	<b>RRD15SGY</b>	—
	Ivory	<b>RR15SI</b>	<b>RRD15SI</b>	<b>RR15KI</b>
	Light Almond	<b>RR15SLA</b>	<b>RRD15SLA</b>	—
	White	<b>RR15SW</b>	<b>RRD15SW</b>	<b>RR15KW</b>

### 15A 125V Duplex and Decorator Tamper-Resistant Receptacles



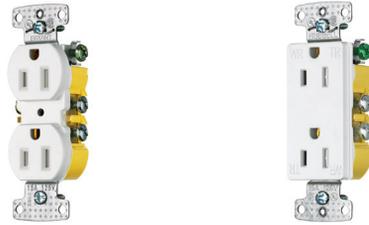
Wiring		Push and Side Wired		Eight Push Wire Holes Only, #14 AWG		Back and Side Wired	
Grounding		Self-Grounding	Grounding	Self-Grounding	Self-Grounding	Self-Grounding	
Rating	Color	Decorator	Earless Duplex	Earless Decorator	Duplex	Decorator	Decorator with Two Nightlight Sources
NEMA 5-15, 15A 125V	Black	<b>RRD15SBKTR</b>	—	<b>RRD15KBKTR</b>	<b>RR15EBKTR</b>	<b>RRD15EBKTR</b>	—
	Brown	<b>RRD15SSTR</b>	<b>RR15KTR</b>	<b>RRD15KTR</b>	—	<b>RRD15ETR</b>	—
	Gray	<b>RRD15SGYTR</b>	—	<b>RRD15KGYTR</b>	<b>RR15EGYTR</b>	<b>RRD15EGYTR</b>	—
	Ivory	<b>RRD15SITR</b>	<b>RR15KITR</b>	<b>RRD15KITR</b>	<b>RR15EITR</b>	<b>RRD15EITR</b>	<b>DR15NLIV</b>
	Light Almond	<b>RRD15SLATR</b>	<b>RR15KLATR</b>	<b>RRD15KLATR</b>	<b>RR15ELATR</b>	<b>RRD15ELATR</b>	<b>DR15NLLA</b>
	White	<b>RRD15SWTR</b>	<b>RR15KWTR</b>	<b>RRD15KWTR</b>	<b>RR15EWTR</b>	<b>RRD15EWTR</b>	<b>DR15NLWH</b>

Note: See page R-6 for tamper-resistant description.

# Straight Blade Devices

## Residential Grade Duplex and Decorator Receptacles

### 15A 125V Duplex and Decorator Weather Resistant and Tamper-Resistant Receptacles

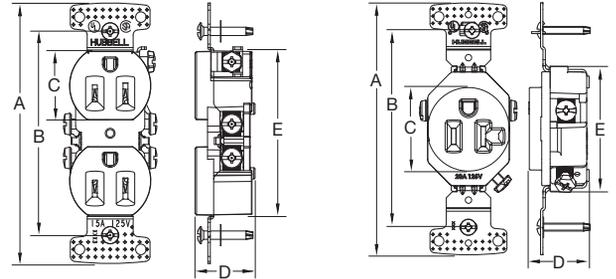


### Product Dimensions Inches (mm)

	Duplex	Decorator	Single	Single Decorator
A	4.19" (106.4)	4.19" (106.4)	4.20" (106.7)	4.20" (106.7)
B	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)
C	1.41" (35.8)	—	1.41" (35.8)	—
D	0.93" (23.6)	0.93" (23.6)	1.01" (25.7)	1.01" (25.7)
E	2.62" (66.6)	2.62" (66.6)	2.08" (52.8)	2.08" (52.8)

Wiring		Push and Side Wired	
Grounding		Self-Grounding	
Rating	Color	Duplex	Decorator
NEMA 5-15, 15A 125V	Black	RR15SBKWRTR	RRD15SBKWRTR
	Brown	RR15SWRTR	RRD15SWRTR
	Gray	RR15SGYWRTR	RRD15SGYWRTR
	Ivory	RR15SIWRTR	RRD15SIWRTR
	Light Almond	RR15SLAWRTR	RRD15SLAWRTR
	White	RR15SWWRTR	RRD15SWWRTR

Note: See page R-6 for tamper-resistant and weather resistant descriptions.



## Residential Grade Single and Single Decorator Receptacles

### 15A and 20A 125V and 250V Single Self-Grounding Receptacles



Style		Standard		Tamper-Resistant		Weather Resistant	Weather Resistant Tamper-Resistant
Rating	Color	Duplex	Decorator	Duplex	Decorator	Duplex	Duplex
NEMA 5-15, 15A 125V	Black	RR151BK	RRD151BK	RR151BKTR	RRD151BKTR	—	RR151BKWRTR
	Brown	RR151	RRD151	RR151TR	RRD151TR	—	RR151WRTR
	Gray	RR151GY	RRD151GY	RR151GYTR	RRD151GYTR	—	RR151GYWRTR
	Ivory	RR151I	RRD151I	RR151ITR	RRD151ITR	—	RR151IWRTR
	Light Almond	RR151LA	RRD151LA	RR151LATR	RRD151LATR	—	RR151LAWRTR
	White	RR151W	RRD151W	RR151WTR	RRD151WTR	—	RR151WWRTR
NEMA 5-20, 20A 125V	Black	RR201BK	RRD201BK	RR201BKTR	RRD201BKTR	—	RR201BKWRTR
	Brown	RR201	RRD201	RR201TR	RRD201TR	—	RR201WRTR
	Gray	RR201GY	RRD201GY	RR201GYTR	RRD201GYTR	—	RR201GYWRTR
	Ivory	RR201I	RRD201I	RR201ITR	RRD201ITR	—	RR201IWRTR
	Light Almond	RR201LA	RRD201LA	RR201LATR	RRD201LATR	—	RR201LAWRTR
	White	RR201W	RRD201W	RR201WTR	RRD201WTR	—	RR201WWRTR
NEMA 6-15, 15A 250V	Black	RR155BK	RRD155BK	—	—	RR155BKWR	—
	Brown	RR155	RRD155	—	—	RR155WR	—
	Gray	RR155GY	RRD155GY	—	—	RR155GYWR	—
	Ivory	RR155I	RRD155I	—	—	RR155IWR	—
	Light Almond	RR155LA	RRD155LA	—	—	RR155LAWR	—
	White	RR155W	RRD155W	—	—	RR155WWR	—
NEMA 6-20, 20A 250V	Black	RR205BK	RRD205BK	—	—	RR205BKWR	—
	Brown	RR205	RRD205	—	—	RR205WR	—
	Gray	RR205GY	RRD205GY	—	—	RR205GYWR	—
	Ivory	RR205I	RRD205I	—	—	RR205IWR	—
	Light Almond	RR205LA	RRD205LA	—	—	RR205LAWR	—
	White	RR205W	RRD205W	—	—	RR205WWR	—

# Straight Blade Devices



## Triple Gripper® Extra Heavy Duty Industrial Plugs and Connectors



- Hand grip features wide-rib, non-slip design
- Double wall construction provides extra protection for internal components
- Universal cord grip design accepts .300 - .655 in. (7.6 – 16.6mm) cord without inserts or adapters
- Impact/chemical resistant, toughened nylon construction
- Face and body feature alignment keys for easy assembly
- Amperage, voltage and NEMA® configuration imprinted on face for easy identification

### Patented Triple Gripper®

Bryant's Tech-Spec® plugs and connectors represent some of the industry's most recognized products as well as one of the finest series of plugs and connectors on the market. The quality of the non-slip, wide-ribbed handgrip, heavy duty double wall housing and tough, impact/chemical resistant nylon construction are second to none. They are easy to assemble and automatically center and secure the cord as the assembly screws are tightened - no external clamps or additional screws are required. An elastomeric dust seal prevents dust, moisture and contaminants from entering the wiring chamber.

### 15A and 20A 125V and 250V Plugs and Connectors, 2-Pole 3-Wire Inches (mm)

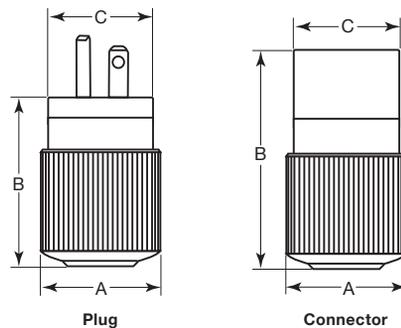
TECH-SPEC®



Device Type			Plug			Connector		
Rating	Cord Diameter	Color	Nylon	Nylon/ Polymer	Corrosion- Resistant Nylon/Polymer	Nylon	Nylon/ Polymer	Corrosion- Resistant Nylon/Polymer
NEMA 5-15, 15A 125V 	.300"-.655" (7.6-16.6)	Black/White	<b>BRY5266NP</b>	—	—	<b>BRY5269NC</b>	—	—
	.245"-.655" (6.2-16.6)	Black Orange Yellow	—	<b>BRY5266NPB</b> <b>BRY5266NPOR</b> <b>BRY5266NPSY</b>	— — <b>BRY5266NPCR</b>	— — —	<b>BRY5269NCB</b> — <b>BRY5269NCSY</b>	— — <b>BRY5269NCCR</b>
	.300"-.655" (7.6-16.6)	Black/White	<b>BRY5366NP</b>	—	—	<b>BRY5369NC</b>	—	—
NEMA 5-20, 20A 125V 	.245"-.655" (6.2-16.6)	Yellow	—	<b>BRY5366NPSY</b>	<b>BRY5366NPCR</b>	—	<b>BRY5369NCSY</b>	<b>BRY5369NCCR</b>
	.300"-.625" (7.6-15.9)	Black/White	<b>BRY5666NP</b>	—	—	<b>BRY5669NC</b>	—	—
NEMA 6-15, 15A 250V 	.245"-.655" (6.2-16.6)	Yellow	—	<b>BRY5666NPSY</b>	—	—	—	—
	.300"-.625" (7.6-15.9)	Black/White	<b>BRY5466NP</b>	—	—	<b>BRY5469NC</b>	—	—
NEMA 6-20, 20A 250V 	.245"-.655" (6.2-16.6)	Yellow	—	<b>BRY5466NPSY</b>	—	—	<b>BRY5469NCSY</b>	—

### Product Dimensions Inches (mm)

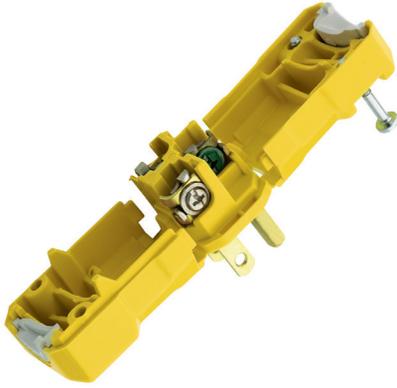
	Plug	Connector
A	1.52" (38.6)	1.52" (38.6)
B	2.18" (55.4)	2.95" (74.9)
C	1.38" (35.1)	1.38" (35.1)



NEMA® is a registered trademark of the National Electrical Manufacturers Association.

# Straight Blade Devices

## COBRA® Heavy Duty Plugs and Connectors



- Hinged one piece body opens wide for easy wiring
- High visibility yellow for easy identification
- Impact/chemical resistant nylon construction
- Clamp-type terminals ensure secure wire terminations
- Adjustable cord inserts accommodate .220 - .660 in. (5.6 - 16.8mm) diameter cord
- Internal cord grips prevent conductor slippage
- Amperage/voltage rating molded in face

### Why Bryant's COBRA Plugs and Connectors are Superior

Bryant's Cobra line of plugs and connectors have "high-visibility" yellow devices that are economical and fast to wire. The removable cord grip inserts offer a simple way of accommodating a wide range of cord diameters, while providing a powerful hold to prevent slippage and strain. The tough nylon body is designed for easy installation and includes captive screws which stay in place while wiring.

### 15A and 20A 125V and 250V Plugs and Connectors, 2-Pole 3-Wire Inches (mm)

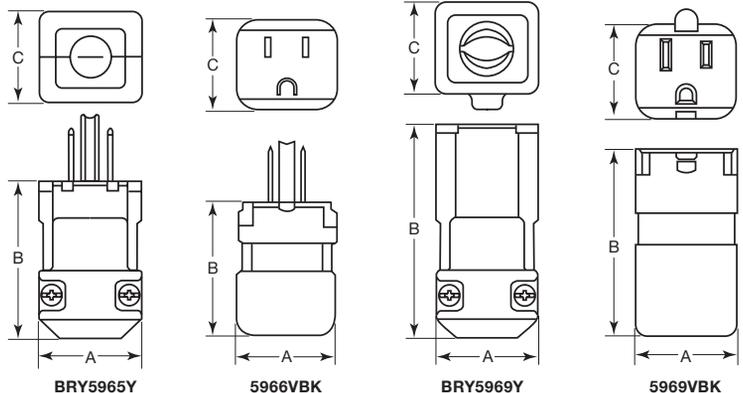
**COBRA®**



Device Type		Plug		Connector	
Rating	Cord Diameter	High Visibility Nylon Yellow	Insulation Displacement Nylon Black	High Visibility Nylon Yellow	Insulation Displacement Nylon Black
NEMA 5-15, 15A 125V	.220"-.660" (7.6-16.8)	<b>BRY5965Y</b>	<b>5966VBK</b>	<b>BRY5969Y</b>	<b>5969VBK</b>
NEMA 5-20, 20A 125V	.220"-.660" (7.6-16.8)	<b>5364Y</b>	—	<b>5369Y</b>	—
NEMA 6-15, 15A 250V	.220"-.660" (7.6-16.8)	<b>5666Y</b>	—	<b>5669Y</b>	—
NEMA 6-20, 20A 250V	.220"-.660" (7.6-16.8)	<b>5464Y</b>	—	<b>5469Y</b>	—

### Product Dimensions Inches (mm)

	Plug		Connector	
	Yellow	Black	Yellow	Black
A	1.25" (31.8)	1.13" (28.7)	1.25" (31.8)	1.25" (31.8)
B	1.25" (31.8)	1.17" (29.7)	1.12" (28.4)	1.17" (29.7)
C	1.88" (47.8)	1.60" (40.6)	2.62" (66.5)	2.25" (57.2)



# Straight Blade Devices



## TECH-SPEC® Plugs and Connectors

15A and 20A 125V and 250V Plugs and Connectors, 2-Pole 3-Wire Inches (mm)



Device Type	Plug			Connector	
	Standard	Watertight	Angle 12 Position	Standard	Watertight
Cord Diameter	.245"-.655" (6.2-16.6)	.300"-.655" (7.6-16.6)	.300"-.655" (7.6-16.6)	.245"-.655" (6.2-16.6)	.300"-.655" (7.6-16.6)
Rating	Thermoplastic	Elastomeric	Nylon	Thermoplastic	Elastomeric
NEMA 5-15, 15A 125V	Black 5266B Gray 5266BGRY Yellow 5266BY Black/White — Hi-Viz Green 5156HVG* Hi-Viz Orange 5156HVO*	BRY14W47BK — BRY14W47 —	— — — 5295	5269B — 5269BY —	— — BRY15W47 —
NEMA 5-20, 20A 125V	Black — Gray 5364BY Yellow — Black/White —	— — BRY14W33 —	— — — 5395	5369B — 5369BY —	— — BRY15W33 —
NEMA 6-15, 15A 250V	Yellow — Black/White — Black 5666B	— — BRY14W49 —	— — 5695 —	— — — 5669B	BRY15W49 — — —
NEMA 6-20, 20A 250V	Yellow — Black/White — Black 5464B	— — BRY14W48 —	— — 5475N —	— — — 5469B	BRY15W48 — — —

Note: \*Hi-Viz green and orange devices are shipped in a display pack.

## Weather Protective Accessories



		Weather Protective Boots		Sealing Ring
Material	Color	For Use with 5266B Series Plug	For Use with 5269B Series Connector	For Use with 5200BC Series Connector Boot
Thermoplastic	Black	5200BPB**	5200BCB**	5200BSRB**
elastomer	Yellow	5200BP**	5200BC**	5200BSR**

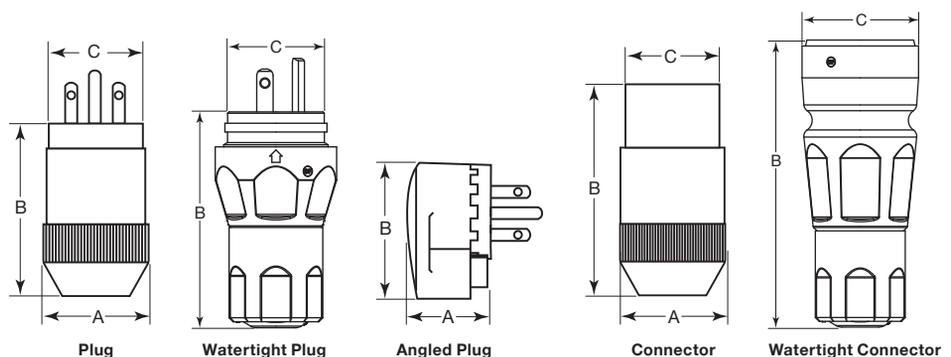
Note: \*\*Not UL Listed or CSA Certified.

## Product Dimensions Inches (mm)

	Plug		
	Standard	Watertight	Angled Plug
A	1.53" (38.9)	—	1.25" (31.8)
B	2.10" (53.3)	3.16" (80.3)	2.07" (52.6)
C	1.38" (35.1)	1.85" (47.1)	—

	Connector	
	Standard	Watertight
A	1.53" (38.9)	—
B	2.68" (68.1)	4.42" (112.1)
C	1.38" (35.1)	1.85" (47.1)



# Straight Blade Devices

## Industrial Grade Connectors and Receptacles

### 15A 125V Plug and Connector, 2-Pole 2-Wire Inches (mm)



Device Type	Plug		Connector
Cord Diameter	.281"-.625" (7.1-15.9)		.281"-.625" (7.1-15.9)
Rating	Polarized		Polarized
NEMA 1-15, 15A 125V	Black/White Black	<b>9754NS</b> <b>9754NSB</b>	<b>9755N</b> —



Adapter Sleeve	
Description	Catalog Number
Sleeve, strain relief, converts SPT cord to round, white, not UL Listed	<b>9700S</b>

Weather Protective Boot	
Description	Catalog Number
Yellow neoprene boot for use on both 9754NS and 9755N, yellow, not UL Listed	<b>7400BCR</b>

### 20A 125/250V Receptacle and Plug, 3-Pole 3-Wire Inches (mm)



Device Type	Plug		Single Receptacle
Cord Diameter	.320"-.910" (8.1-23.1)		—
Rating	Nylon with Cord Grip		Thermoset, Side Wired
NEMA 10-20, 20A 250V	Black/White Black	<b>9151N</b> —	— <b>9326</b>



### Plates for Single Receptacles



#### Plates for Single Receptacles

Description	Gang	Catalog Number
302/304 stainless steel	1-Gang	<b>SS7</b>
	2-Gang	<b>SS747</b>
Outdoor cast aluminum plate with lift cover	1-Gang	<b>7418B</b>

Note: See Section P more information on plates.

### 20A 3ØY 120/208V AC Plug, 4-Pole 4-Wire Inches (mm)



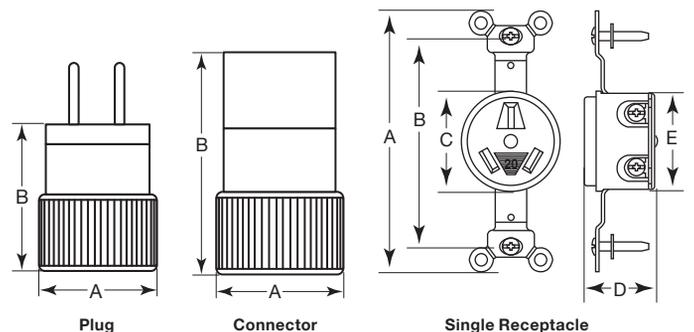
Device Type	Plug	
Cord Diameter	.375"-1.00" (9.5-25.4)	
Rating	Thermoplastic Construction	
NEMA 18-20, 20A 3ØY 120/208V AC	Gray	<b>7251N*</b>



Note: \*Device has no provision for a grounding conductor. Intended for use in applications where a separate grounding means is provided.

### Product Dimensions Inches (mm)

	Plug			Connector	Receptacle
	8754NS	9151N	7251N	9755N	9326
A	1.12" (28.7)	1.31" (33.3)	2.12" (53.8)	1.12" (28.4)	3.28" (83.3)
B	1.60" (40.6)	2.50" (63.5)	2.35" (59.7)	2.62" (66.5)	2.38" (60.5)
C	—	—	—	—	1.39" (35.2)
D	—	—	—	—	1.16" (29.4)
E	—	—	—	—	1.50" (38.1)



# Straight Blade Devices

## Special Use Products



### Floor Box Assemblies and Display Receptacles



Floor Box Assemblies		Brushed Brass Plate
Rating	Description	
NEMA 5-15, 15A 125V 	Specification grade single receptacle, gasketing and floor rated single gang steel box	<b>5236BOX</b>



Display Receptacles		
Description	Smooth Brushed Brass Finish	Nickel Plated Finish
Specification grade single receptacle	<b>3799G</b>	<b>3799GS</b>

### Nightlight Only



Nightlight Devices		Catalog Number
Description		
LED 1.5 Lumen nightlight with polycarbonate full face lens for maximum illumination, 6 in. pre-wired stranded wire		<b>D100NLIV</b> <b>D100NLLA</b> <b>D100NLW</b>

### Clock Hangers



Rating	Specification Grade		
	Description	Smooth Brushed Brass Plate	Nickel Plated Finish
NEMA 5-15, 15A 125V 	Specification grade single receptacle	<b>2828G</b>	<b>2828GS</b>
NEMA 5-20, 20A 125V 		—	—

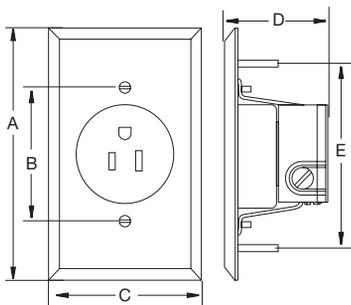
Note: See Section O for floor and under cabinet box options.

Residential Grade		Single Receptacle	Duplex
Description	Material/Color	Tamper-Resistant	Tamper-Resistant
Clock hanger/recessed receptacle, grounding, side wire terminations	Brass	<b>RR151CHBSTR</b>	—
	Stainless Steel	<b>RR151CHSSTR</b>	—
	Ivory Light Almond White	<b>RR151CHITR</b> — <b>RR151CHWTR</b>	<b>RR1510I</b> <b>RR1510LA</b> <b>RR1510W</b>
	Brass	—	—
	Stainless Steel	<b>RR201CHSSTR</b>	—
	Ivory White	<b>RR201CHITR</b> <b>RR201CHWTR</b>	— —

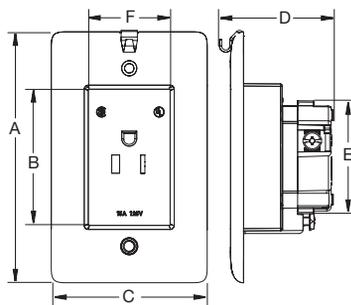
Note: See page R-6 for tamper-resistant description.

### Product Dimensions Inches (mm)

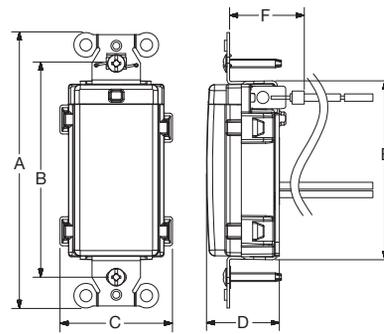
	Display Receptacles	Residential Clock Hanger	Nightlight Only
A	4.50" (114.3)	4.63" (117.5)	4.20" (106.8)
B	2.38" (60.5)	2.51" (63.8)	3.28" (83.4)
C	2.75" (69.9)	2.88" (73.0)	1.74" (44.2)
D	1.86" (47.2)	2.10" (53.3)	1.13" (33.3)
E	3.28" (83.3)	2.08" (52.8)	2.73" (69.4)
F	—	1.51" (38.4)	1.16" (29.3)



Display Receptacles



Residential Clock Hanger



Nightlight Only



# Straight Blade Devices

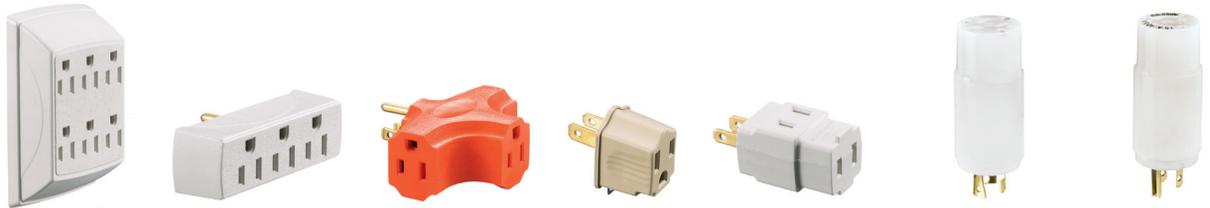
## Residential Grade Plugs, Connectors, Taps and Adapters

### Plugs and Connectors



Device Type		Straight Plug				Straight Connector		
Rating	Color	Non-Polarized, Two Blade, Spt 1 and 2 Cord 18/2 and 16/2 AWG	Polarized, Two Blade, Spt 1 and 2 Cord 18/2 and 16/2 AWG	Polarized, Two Blade, Light Duty, Wire Range: #16-18 AWG, Up to .25 In. Diameter Cord	Non-Polarized, Two Blade, Heavy Duty, Wire Range: #14-18 AWG, Up to .33 In. Diameter Cord	Polarized, Two Blade, Heavy Duty, Wire Range: #14-18 AWG, Up to .33 In. Diameter Cord	Polarized, Two Blade, Light Duty, Wire Range: #16-18 AWG, Up to .25 In. Diameter Cord	Polarized, Two Blade, Heavy Duty, Wire Range: #14-18 AWG, Up to .33 In. Diameter Cord
NEMA 1-15, 15A 125V	Black Ivory White	— <b>RP123I</b> <b>RP123W</b>	— <b>RP123PI</b> <b>RP123PW</b>	<b>RP101BK</b> — <b>RP101W</b>	<b>RP646</b> — —	<b>RP648</b> — —	<b>RP102BK</b> — <b>RP102W</b>	<b>RP649</b> — —

### Plugs, Taps and Adapters



Description	Duplex Receptacle, Six Outlets	Single Receptacle, Three Outlets	Single Receptacle, Three Outlets	Two Wire to U-Ground	Cube Tap, without Ground	Male end: 10A 250V, 15A 125V, Locking Straight Blade Female end: 15A 125V, Straight Blade	Male end: 15A 125V, Straight Blade Female end: 10A 250V, 15A 125V, Locking
Rating	NEMA 5-15, 15A 125V						
Ivory	<b>RT600I</b>	<b>RT300I</b>	—	<b>RT200</b>	—	—	—
White	<b>RT600W</b>	<b>RT300W</b>	—	—	<b>RT100W</b>	<b>9053AB*</b>	<b>9054AB*†</b>
Orange	—	—	<b>RT303</b>	—	—	—	—

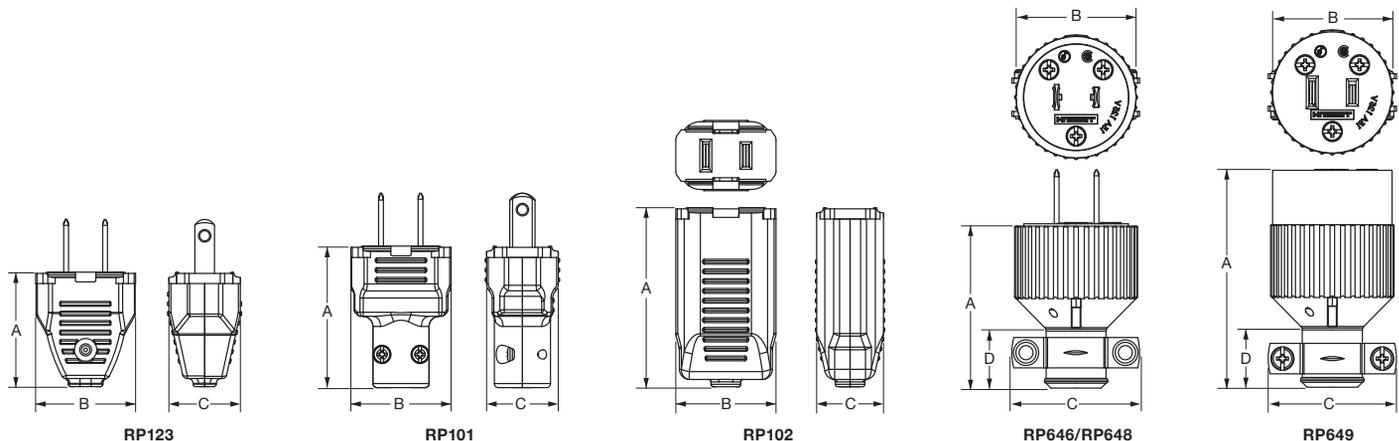
Note: Adapters are not intended to be used as a replacement for permanent devices. They are intended for temporary use only.

\*Not UL Listed.

†Must always be used with grounded receptacle.

### Product Dimensions Inches (mm)

	RP123	RP101	RP102	RP646/RP648	RP649
A	1.41" (35.8)	1.73" (43.9)	2.19" (55.6)	2.00" (50.8)	2.67" (67.8)
B	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.50" (38.1)	1.49" (37.8)
C	0.89" (22.6)	0.89" (22.6)	0.83" (21.2)	1.60" (40.6)	1.60" (40.6)
D	—	—	—	0.71" (17.9)	0.73" (18.5)



# Straight Blade Devices



## 30 Amp Industrial Grade Plugs, Connectors and Receptacles

30A 125V, 250V, 125/250V AC and 3Ø 250V AC Plugs, Connectors and Receptacles Inches (mm)

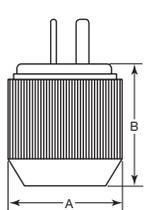


Device Type		Plug			Connector	Receptacle			
		Standard	Angle 12 Position	Angle Residential Grade	Standard	Flush		Surface	
Cord Diameter		.425"-1.320" (10.8-33.5)	.625"-1.380" (15.9-35.1)	.600"-1.110" (15.2-28.2)	.425"-1.320" (10.8-33.5)				
Rating	Color	Thermoplastic	Nylon	Black without Ground	Thermoplastic	Color	Reinforced Thermoplastic Polyester	Residential Grade	Residential Grade
NEMA 5-30, 30A 125V 2-Pole 3-Wire	Black/White Gray	— <b>9530NP</b>	<b>9530ANPB</b> —	— —	— <b>9530NC</b>	Black	<b>9530FR</b>	—	—
						Orange Isolated Ground	<b>9530IG</b>	—	—
NEMA 6-30, 30A 250V 2-Pole 3-Wire	Black/White Gray	— <b>9630NP</b>	<b>9630ANPB</b>	— —	— <b>9630NC</b>	Black	<b>9630FR</b>	—	—
						Orange Isolated Ground	<b>9630IG</b>	—	—
NEMA 10-30, 30A 125/250V AC 3-Pole 3-Wire	Black/White Gray	<b>9337NP*</b> —	— —	<b>RR335P*</b> <i>Supplied with interchangeable blades for 30 or 50 amp configuration</i>	— <b>9337NC*</b>	Black	<b>9303*</b>	<b>RR330F*</b>	<b>RR330*</b>
NEMA 14-30, 30A 125/250V AC 3-Pole 4-Wire	Black/White Gray	— —	<b>9432ANPB</b> —	<b>RR435P</b> <i>Supplied with interchangeable blades for 30 or 50 amp configuration</i>	— —	Black White	<b>9430FR</b> —	<b>RR430F</b> <b>RR430FW</b>	<b>RR430</b> —
									Panel Mount <b>RR430PM</b>
NEMA 15-30, 30A 3Ø 250V AC 3-Pole 4-Wire	Black/White Gray	<b>8430NP</b> —	<b>8432ANPB</b> —	— —	— —	Black	<b>8430FR</b>	—	—

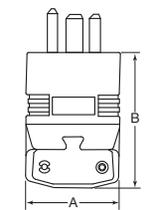
Note: \*Device has no provision for a grounding conductor. Intended for use in applications where a separate grounding means is provided.  
Receptacles can be mounted in single or two gang boxes.  
See Section C for isolated ground products.

### Product Dimensions Inches (mm)

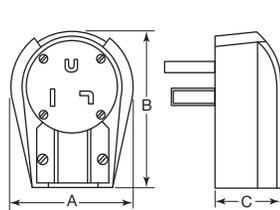
	Plug			Connector		Receptacle
	Gray	Black/White	Angled Plug	Gray	Black/White	
A	3.12" (79.2)	2.88" (73.0)	3.25" (82.6)	2.59" (65.8)	2.88" (73.0)	2.25" (57.2)
B	3.81" (96.8)	4.13" (104.8)	4.19" (106.4)	5.19" (131.8)	5.75" (146.1)	3.68" (93.5)
C	—	—	1.75" (82.6)	3.12" (79.2)	2.50" (63.5)	2.12" (54.0)
D	—	—	—	—	—	2.50" (63.5)
E	—	—	—	—	—	2.37" (60.3)
F	—	—	—	—	—	1.81" (46.0)



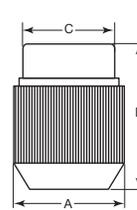
Gray Plug



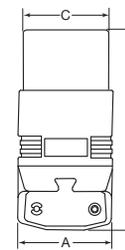
Black/White Plug



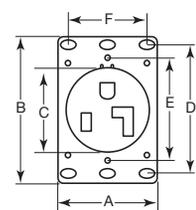
Angled Plug



Gray Connector



Black/White Connector



Receptacle

# Straight Blade Devices

## 50 Amp Industrial Grade Plugs, Connectors and Receptacles

50A 125V, 250V, 125/250V AC, 3Ø 250V AC and 3ØY 120/208V AC

Plugs, Connectors and Receptacles Inches (mm)

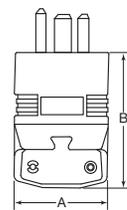


Device Type	Plug			Connector	Receptacle		
	Standard	Angle 12 Position	Angle Residential Grade		Standard	Flush	Surface
Cord Diameter	.425"-1.320" (10.8-33.5)	.625"-1.380" (15.9-35.1)	.600"-1.110" (15.2-28.2)	.425"-1.320" (10.8-33.5)			
Rating	Thermoplastic	Nylon	Black without Ground	Thermoplastic	Reinforced Thermoplastic Polyester	Residential Grade	Residential Grade
Color	Black/White	Black/White	Black/White	Black/White	Black	Black	Black
NEMA 5-50, 50A 125V 2-Pole 3-Wire	—	<b>9550ANPB</b>	—	—	<b>9550FR</b>	—	—
							
NEMA 6-50, 50A 250V 2-Pole 3-Wire	—	<b>9650ANPB</b>	—	—	<b>9650FR</b>	—	—
							
NEMA 10-50, 50A 125/250V AC 3-Pole 3-Wire	<b>7513NP*</b>	—	<b>RR335P*</b> <i>Supplied with interchangeable blades for 30 or 50 amp configuration</i>	<b>7516NC*</b>	Black Brown	— <b>9306*</b>	— <b>RR350*</b>
							
NEMA 14-50, 50A 125/250V AC 3-Pole 4-Wire	<b>9450NP</b>	<b>9452ANPB</b>	<b>RR435P</b> <i>Supplied with interchangeable blades for 30 or 50 amp configuration</i>	—	Black White	<b>9450FR</b> —	<b>RR450F</b> <b>RR450FW</b>
							<b>RR450</b>
NEMA 15-50, 50A 3Ø 250V AC 3-Pole 4-Wire	<b>8450NP</b>	<b>8452ANPB</b>	—	—	Black	<b>8450FR</b>	—
							
NEMA 18-50, 50A 3ØY 120/208V AC 4-Pole 4-Wire	—	<b>8352ANPB</b>	—	—	Black	<b>8350FR</b>	—
							

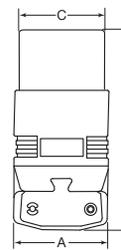
Note: \*Device has no provision for a grounding conductor. Intended for use in applications where a separate grounding means is provided.  
Receptacles can be mounted in single or two gang boxes.  
See page A-24 for additional product dimensions.

### Product Dimensions Inches (mm)

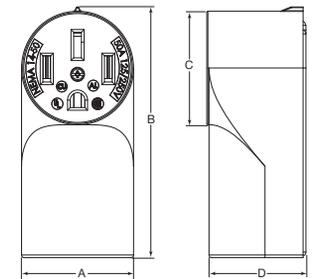
	Plug, Black/White	Connector, Black/White	Surface Receptacle
A	2.88" (73.0)	2.59" (65.8)	2.50" (63.5)
B	4.13" (104.8)	5.19" (131.8)	5.49" (139.5)
C	—	3.12" (79.2)	2.50" (63.5)
D	—	—	2.21" (56.2)



Black/White Plug



Black/White Connector



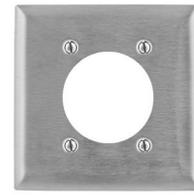
Surface Receptacle

# Straight Blade Devices



## 60 Amp Industrial Grade Plugs and Receptacles

60A 125/250V AC, 3Ø 250V AC and 3ØY 120/208V AC Plugs and Receptacles Inches (mm)

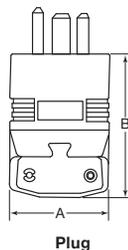


Device Type		Plug		Receptacle	Stainless Steel Wallplate
		Standard	Angle 12 Position	Flush	For Flush Receptacles
Cord Diameter		.425"-1.320" (10.8-33.5)		.625"-1.380" (15.9-35.1)	
Rating	Color	Thermoplastic	Nylon	Reinforced Black Thermoplastic Polyester	
NEMA 14-60, 60A 125/250V 3-Pole 4-Wire	Black/White	<b>9460NP</b>	<b>9462ANPB</b>	<b>9460FR</b>	Description 2-gang, 1-single 2.40" (63.0) diameter hole Catalog Number <b>SS701</b>
NEMA 15-60, 60A 3Ø 250V AC 3-Pole 4-Wire	Black/White	<b>8460NP</b>	<b>8462ANPB</b>	<b>8460FR</b>	
NEMA 18-60, 60A 3ØY 120/208V AC 4-Pole 4-Wire	Black/White	—	<b>8362ANPB*</b>	<b>8360FR*</b>	

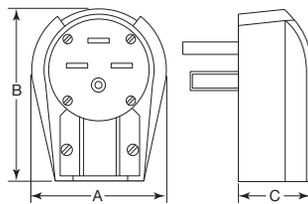
Note: \*Device has no provision for a grounding conductor. Intended for use in applications where a separate grounding means is provided. Receptacles fit standard boxes 4<sup>1</sup>/<sub>16</sub> in. square and not less than 2.23 in. (54.0) deep.

## Product Dimensions Inches (mm)

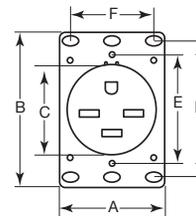
	Plug	Angled Plug	Receptacle
A	2.88" (73.0)	3.25" (82.6)	2.25" (57.2)
B	4.13" (104.8)	4.19" (106.4)	3.68" (93.5)
C	—	1.75" (82.6)	2.12" (54.0)
D	—	—	2.50" (63.3)
E	—	—	2.37" (60.3)
F	—	—	1.81" (46.0)



Plug



Angled Plug



Receptacle

# Straight Blade Devices

## Weather Protective Boots, Adapter Sleeves and PLUGBOX® Devices



- Thermoplastic elastomer construction helps prevent moisture, dust and other contaminants from infiltrating plugs and connectors for excellent ozone and weather resistance
- Resistant to deterioration by oils and heat
- Connector sealing ring provides extra protection when plug and connector are not mated



- Complies with OSHA Lockout/Tagout regulation 29CFR 1910.147
- Protects against unexpected start-up of equipment during maintenance and repair work and discourages unauthorized use of tools and equipment
- UV stabilized polypropylene housing

### Weather Protective Boots



Description	Color	For use with Plugs	For use with Connectors	Sealing Cap for use with 5200BC Series Connector Boot
Thermoplastic elastomer boot for use with 15A nylon locking and straight blade devices	Black Yellow	<b>5200BPB</b> <b>5200BP</b>	<b>5200BCB</b> <b>5200BC</b>	<b>5200BSRB</b> <b>5200BSR</b>
Neoprene boot for use with 15A 2-pole 2-wire, NEMA 1-15, straight blade nylon plugs and connectors	Yellow	<b>7400BCR</b>	<b>7400BCR</b>	—
Thermoplastic elastomer boot for use with 7465N plug when used with 7464N connector or 7468N female equipment receptacle, also for use with connector when used with 7466N male base	Black	<b>7460BP</b>	—	—
Thermoplastic elastomer boot for use with 7464N connector when used with 7465N plug	Black	—	<b>7460BC</b>	—

### Adapter Sleeves

Description	Color	Catalog Number
Rubber adapter sleeve, strain relief for use with 2-pole 2-wire straight blade nylon plugs and connectors, NEMA 1-15	White	<b>9700S</b>



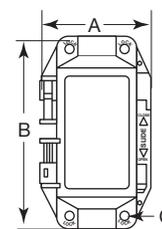
### PLUGBOX® Devices



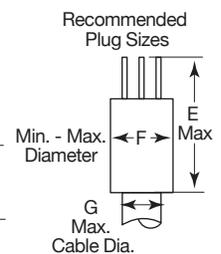
Description	Used with 15A and 20A Plugs	Used with 20A and 30A Plugs	Used with 30A, 50A and 60A Plugs
Red polypropylene lockout device	<b>BLDMP</b>	<b>BLD</b>	<b>BLD2</b>

### Product Dimensions Inches (mm)

	BLDMP	BLD	BLD2
A	3.14" (79.8)	4.27" (108.5)	6.31" (160.3)
B	4.22" (107.2)	7.27" (184.7)	12.51" (317.8)
C	(2) 0.32" (8.1)	(4) 0.39" (9.9)	(4) 0.39" (9.9)
D	2.57" (65.3)	3.10" (78.7)	5.00" (127.0)
E	3.70" (94.0)	4.75" (120.7)	10.15" (257.8)
F	0.79"-1.73" (20.1-43.9)	1.50"-2.75" (38.1-69.9)	1.90"-4.50" (48.3-114.3)
G	0.64" (16.3)	1.11" (28.2)	1.45" (36.8)



BLD



# Straight Blade Devices

## Technical Specifications - Hospital and Industrial Grade Receptacles

### Hospital and Industrial Grade Receptacles



Description	Hospital Grade		Standard	
	Duplex	Decorator	Duplex	Decorator
Typical specification catalog number	BRY8200	9200	BRY5262	9252
Manufacturer's identification	Bryant BRY8200	Bryant 9200	Bryant BRY5262	Bryant 9252
Description	Hospital grade straight blade receptacle, back and side wired		Industrial grade straight blade duplex receptacle, back and side wired	
Type	2-pole, 3-wire, grounding		2-pole, 3-wire, grounding	
Rating	15A 125V, NEMA 5-15R		15A 125V, NEMA 5-15R	

### Certification

UL Listed to 498, CSA Certified to C22.2, No. 42	Complies with NEMA® WD-1 and WD-6 requirements Verified under Fed. Spec. WC596 (Standard only)
---	---

### Materials Inches (mm)

Components	Hospital Grade Materials	Industrial Grade Materials	
		Duplex	Decorator
Cover and base	Nylon	Nylon	Nylon cover with thermolastic polyester base
Terminal screws	Combination brass #10-32	Combination brass #10-32	Combination brass #8-32
Grounding contacts	High-performance copper alloy	High-performance copper alloy	High-performance brass
Auto grounding assembly	High-performance copper alloy, tin plated	High performance copper alloy	Heavy copper rivets
Line contacts	Nickel plated	High performance copper alloy	
Clamp nut	Brass	Steel-zinc plated	
Mounting yoke	Steel, nickel and brass plated 0.05" (1.3mm)	Steel, nickel and brass plated 0.05" (1.3mm)	
Grounding screw/clip	Combination brass screw (green) #8-32	Stainless steel clip	
Mounting screws	Combination steel-zinc plated	Combination steel-zinc plated	
Circuit ID	Hot stamp (N/A on Decorator)	Hot stamp (N/A on Decorator)	

### Performance

<b>Electrical</b>	
Dielectric voltage	Withstands 2,000V minimum
Max. working voltage	125V - 250V as rated
Current interrupting	Certified for current interrupting at full rated current
Temperature rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated direct current
<b>Mechanical</b>	
Terminal identification	Terminals identified in accordance with UL 498 (brass, white, green)
Terminal accommodation	#14-10 AWG solid or stranded copper conductor only
Product identification	Ratings are a permanent part of the device
<b>Environmental</b>	
Flammability	Top and base - UL 94 V2
Operating temperatures	Maximum continuous 60°C, minimum -40°C (without impact)

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

# Straight Blade Devices

## Technical Specifications - Commercial Receptacles



### Commercial Receptacles

Description	Standard		Hospital Grade
	Duplex	Decorator	Charger Receptacle
Typical specification catalog number	CRS15 (TR, WRTR)	DRS15 (TR, WRTR)	USBB8300
Manufacturer's identification	Bryant CRS15	Bryant DRS15	USBB8300
Description	Commercial grade straight blade receptacle, back and side wired		USB charger, two USB ports 5A, 5V DC, type A, class 2.0, LED green indicator
Type	2-pole, 3-wire, Grounding		2-pole, 3-wire, grounding
Rating	15A 125V, NEMA 5-15R		20A, 125V AC, USB 3.8 Amp, 5V DC

### Certification

UL Listed to 498, CSA Certified to C22.2, No. 42	Complies with NEMA® WD-1 and WD-6 requirements Verified under Fed. Spec. WC596 (Standard only)	NEMA® WD-6 Compliant (USB8200 and 8300 series only). cULus Listed to UL498 and UL1310
---	---	--

### Materials Inches (mm)

Components	Materials	Materials
Cover and base	Nylon WR version Nylon - UV rated	Nylon
Double-wipe power contacts	Brass - 0.030" (.8mm)	0.030" (.8mm) Cooper Alloy
Wire clamp	0.062" (1.6mm) steel-nickel plated	Plated steel
Mounting strap	Steel (galvanized) - 0.040" (1mm)	Steel (galvanized) - 0.040" (1mm)
Ground contact	Brass - 0.030" (.8mm)	Brass
Line terminal screws	#8-32 plated steel, multiple drive	Plated steel
Ground screw	#8-32 plated steel, multiple drive	Plated steel
Self-grounding staple	Stainless steel	Stainless steel
Mounting screws	Zinc plated steel, WR version - stainless steel	Zinc plated steel

### Performance

Electrical		
Dielectric voltage	Withstands 2,000V minimum	
Max. working voltage	125V as rated	
Current interrupting	Certified for current interrupting at full rated current	
Temperature rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated direct current at a power factor of 75%	
Mechanical		
Terminal identification	Terminals identified in accordance with UL 498 (brass, white, green)	Terminals identified in accordance with UL 498 and CSA (brass, white, green)
Terminal accommodation	#14-10 AWG solid or stranded copper conductor only	
Product identification	Ratings are a permanent part of the device	
Circuit feed-through	–	20 Amp 125 Volt
USB port	–	Stainless steel rated for 10,000 plug insertions and removal
Environmental		
Flammability	UL 94 V2	UL 94 V5
Operating temperatures	Maximum continuous 75°C, minimum -40°C (without impact)	

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

# Straight Blade Devices

## Technical Specifications - Plugs and Connectors



### Plugs and Connectors

Description	
Typical specification catalog number	BRY5266NP, BRY5269NC
Manufacturer's identification	Bryant BRY5266NP, BRY5269NC
Description	Heavy duty straight blade plug/connector
Type	2-pole, 3-wire, grounding
Rating	15A 125V, NEMA 5-15

### Certification

UL Listed, Guide AXUT	CSA Certified to C22.2, No. 42
CSA Certified, Guide 20T2	(general use receptacles)
Listed to UL Standard 498	Fed. Spec. WC596 (where applicable)
(attachment plug and receptacles)	Complies with NEMA® Standards WD-1, WD-6

### Materials

Components	Materials
Face/cord grip	Impact modified nylon
Cover (housing)	High-impact, V-O Valox®
Terminal cover	Clear polycarbonate
Dust seal	Thermoplastic elastomer
Plug blades	Brass
Connector contacts	High performance copper alloy
Terminal clamp nut	Zinc-plated steel
Terminal screws	#8-32 brass, silver finish on neutral screw, green finish on grounding screw
Assembly screws	Zinc-plated steel

### Performance Inches (mm)

Electrical	
Dielectric voltage	Withstands 1500V per UL498
Max. working voltage	250V AC or DC
Current interrupting	Certified for current interrupting at full rated current
Temperature rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated direct current
Mechanical	
Terminal identification	Terminals identified in accordance with UL 498 (brass, white, green)
Terminal accommodation	#18-10 AWG flexible cord
Product identification	Ratings and NEMA® identification are permanently marked on device
Cord accommodation	Round portable service cords in accordance with device ratings as defined in UL Standard 62, CSA C22.2 No. 49
Cord Grip Range	0.25"-0.66" (6.2-16.6mm)
Environmental	
Flammability	HB or better per UL 94
Operating temperatures	Maximum continuous 60°C, minimum -40°C (without impact)

NEMA® is a registered trademark of the National Electrical Manufacturers Association.  
Valox® is a registered trademark of Sabic Innovative Plastics.

# Section B

## Hospital Grade Devices

Table of Contents	Page
<b>Hospital Grade • Devices</b>	
Heavy Duty Self-Grounding Receptacles . . . . .	B-2
Heavy Duty Duplex and Fashion Series® 9000 Receptacles. . . . .	B-3
USB Charger Receptacles . . . . .	B-4
QUADPLEX® Receptacles and Cord Sets . . . . .	B-5
Impact Resistant Plugs and Connectors. . . . .	B-6
<b>Commercial GFCI Receptacles</b>	
Standard and Tamper-Resistant. . . . .	B-7
Tamper-Resistant and Weather Resistant . . . . .	B-8
Surge Suppression Receptacles. . . . .	B-9
<b>Portable GFCI Products</b>	
Healthcare Outlet Assemblies (HCOA) . . . . .	B-10
Portable Surge Protection Devices (SPD) . . . . .	B-11
<b>Technical Specifications</b>	
Surge Suppression Receptacles. . . . .	B-12
Portable Surge Protection Devices (SPD) . . . . .	B-12



## Heavy Duty Self-Grounding Receptacles



- Heavy duty, copper-alloy self-grounding system (tin plated)
- Double-wipe, copper-alloy grounding contacts
- ID surface for marking identification of circuits
- Heavy duty, brass over nickel plated wrap-around steel yoke locked in for maximum strength and security

### Why Hospital Grade?

Bryant hospital grade receptacles are specifically designed to provide maximum safety and withstand severe abuse in hospitals and heavy duty industrial applications. The green dot • signifying UL hospital grade listing is more than just a symbol of compliance. It is your assurance that each device has passed the most stringent requirements for grounding reliability, security of assembly, strength and durability.

### 15A and 20A 125V and 20A 250V Receptacles

#### TECH-SPEC®

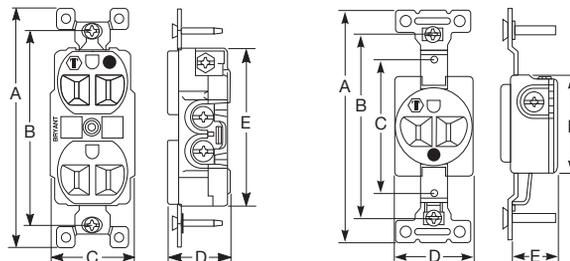


Wiring Face		Back and Side Wired Duplex			Stranded Wire Leads Duplex	Back and Side Wired Single	
Rating	Color	Standard	Weather Resistant	Lighted Face	Tamper-Resistant	Standard	Weather Resistant
NEMA 5-15, 15A 125V 	Brown	<b>BRY8200</b>	<b>BRY8200WR</b>	—	<b>BRY8200TR</b>	<b>8210</b>	<b>8210WR</b>
	Gray	<b>BRY8200GRY</b>	<b>BRY8200GRYWR</b>	<b>BRY8200GRYL</b>	<b>BRY8200GTR</b>	<b>8210GRY</b>	<b>8210GRYWR</b>
	Ivory	<b>BRY8200I</b>	<b>BRY8200IWR</b>	<b>BRY8200IL</b>	<b>BRY8200ITR</b>	<b>8210I</b>	<b>8210IWR</b>
	Red	<b>BRY8200RED</b>	<b>BRY8200REDWR</b>	<b>BRY8200REDL</b>	<b>BRY8200RTR</b>	<b>8210RED</b>	<b>8210REDWR</b>
	White Orange*	<b>BRY8200W</b> <b>BRY8200IG</b>	<b>BRY8200WWR</b> —	<b>BRY8200WL</b> —	<b>BRY8200WTR</b> —	<b>8210W</b> <b>8210IG</b>	<b>8210WWR</b> —
NEMA 5-20, 20A 125V 	Brown	<b>BRY8300</b>	<b>BRY8300WR</b>	—	<b>BRY8300TR</b>	<b>8310</b>	<b>8310WR</b>
	Gray	<b>BRY8300GRY</b>	<b>BRY8300GRYWR</b>	<b>BRY8300GRYL</b>	<b>BRY8300GTR</b>	<b>8310GRY</b>	<b>8310GRYWR</b>
	Ivory	<b>BRY8300I</b>	<b>BRY8300IWR</b>	<b>BRY8300IL</b>	<b>BRY8300ITR</b>	<b>8310I</b>	<b>8310IWR</b>
	Red	<b>BRY8300RED</b>	<b>BRY8300REDWR</b>	<b>BRY8300REDL</b>	<b>BRY8300RTR</b>	<b>8310RED</b>	<b>8310REDWR</b>
	White Orange*	<b>BRY8300W</b> <b>BRY8300IG</b>	<b>BRY8300WWR</b> —	<b>BRY8300WL</b> —	<b>BRY8300WTR</b> —	<b>8310W</b> <b>8310IG</b>	<b>8310WWR</b> —
NEMA 6-20, 20A 250V 	Brown	—	—	—	—	<b>8410BRN</b>	—
	Gray	—	—	—	—	<b>8410GRY</b>	—
	Ivory	—	—	—	—	<b>8410I</b>	—
	Red	—	—	—	—	<b>8410RED</b>	—
	White Orange*	—	—	—	—	<b>8410W</b> <b>8410IG</b>	—

Note: \*Orange is Isolated Ground. See Section C for isolated ground products.  
See page R-6 for tamper-resistant and weather resistant descriptions.  
See page A-28 for technical specifications.

### Product Dimensions Inches (mm)

	Duplex Standard, Weather Resistant and Lighted Face	Duplex, Tamper-Resistant	Single Standard and Weather Resistant
A	4.06" (103.1)	4.06" (103.1)	4.06" (103.1)
B	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)
C	1.54" (39.1)	1.65" (41.9)	2.38" (60.5)
D	1.16" (29.5)	2.75" (69.9)	1.38" (35.1)
E	2.69" (68.3)	1.30" (33.0)	0.91" (23.1)
F	—	—	1.78" (45.2)





- Hospital Grade and Specification Grade
- Tamper-Resistant... NOT Plug Resistant™
- Power indicating LED feature optional
- Circuit ID marking area on Hospital Grade
- Steel mounting strap, self-grounding

### FASHION SERIES 9000

- High-impact thermoplastic face and base
- Back and side wired
- Break-off tab for two-circuit wiring
- Heavy duty, wrap-around steel yoke

### Heavy Duty Receptacles

The Hubbell Tamper-Resistant Mechanism eliminates the frustration and difficulty experienced using TR receptacles with plugs that have sharp, or bent blades. Hubbell TR receptacles work so well there is virtually no perceptible difference in the feel between the TR receptacles and our conventional non-TR receptacles. Trust Hubbell to deliver Tamper-Resistant protection that feels like it's not even there.

### Fashion Series® 9000

The built-in features of the 9200 self-grounding receptacle reflect the super-safe design, solid construction, and attention to details – the Face of Quality of Bryant's full line of Fashion Series 9000 designer receptacles. This line assures you of the exact device you need for hospital, industrial or commercial applications.

## 15A and 20A 125V Duplex Receptacles



Wiring		Back and Side Wired						
Face		Duplex				Decorator		
Rating	Color	Standard	Tamper-Resistant	Power Ind. LED	TR & LED	Duplex	Isolated Ground	Lighted Face
NEMA 5-15, 15A 125V 	Brown	<b>8200HB</b>	<b>8200HBTR</b>	<b>8200HBL</b>	<b>8200HBLTR</b>	<b>9200</b>	—	—
	Gray	<b>8200HBGRY</b>	<b>8200HBGRYTR</b>	<b>8200HBGRYL</b>	<b>8200HBGRYLTR</b>	<b>9200GRY</b>	<b>9200IGGRY</b>	<b>9200GRYL</b>
	Ivory	<b>8200HBI</b>	<b>8200HBITR</b>	<b>8200HBIL</b>	<b>8200HBILTR</b>	<b>9200I</b>	<b>9200IGI</b>	<b>9200IIL</b>
	Red	<b>8200HBRED</b>	<b>8200HBREDTR</b>	<b>8200HBREDL</b>	<b>8200HBREDLTR</b>	<b>9200RED</b>	<b>9200IGRED</b>	<b>9200REDL</b>
	White	<b>8200HBW</b>	<b>8200HBWTR</b>	<b>8200HBWL</b>	<b>8200HBWLTR</b>	<b>9200W</b>	<b>9200IGW</b>	<b>9200WL</b>
	Orange	—	—	—	—	—	<b>9200IG</b>	—
NEMA 5-20, 20A 125V 	Brown	<b>8300HB</b>	<b>8300HBTR</b>	<b>8300HBL</b>	<b>8300HBLTR</b>	<b>9300</b>	—	—
	Gray	<b>8300HBGRY</b>	<b>8300HBGRYTR</b>	<b>8300HBGRYL</b>	<b>8300HBGRYLTR</b>	<b>9300GRY</b>	<b>9300IGGRY</b>	—
	Ivory	<b>8300HBI</b>	<b>8300HBITR</b>	<b>8300HBIL</b>	<b>8300HBILTR</b>	<b>9300I</b>	<b>9300IGI</b>	<b>9300IIL</b>
	Red	<b>8300HBRED</b>	<b>8300HBREDTR</b>	<b>8300HBREDL</b>	<b>8300HBREDLTR</b>	<b>9300RED</b>	<b>9300IGRED</b>	<b>9300REDL</b>
	White	<b>8300HBW</b>	<b>8300HBWTR</b>	<b>8300HBWL</b>	<b>8300HBWLTR</b>	<b>9300W</b>	<b>9300IGW</b>	<b>9300WL</b>
	Orange	—	—	—	—	—	<b>9300IG</b>	—

Note: \*Orange is Isolated Ground. See Section C for isolated ground products.  
See page A-28 for technical specifications.

## Product Dimensions Inches (mm)

Receptacle	A	B	C	D
A	3.28" (83.3)			
B		1.36" (34.5)		
C			1.03" (26.2)	
D				2.75" (69.9)

## USB Charger Receptacles



- Green LED indicator to show USB power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Tamper-Resistant (TR) decorator duplex
- Back and side wire for solid or stranded wire
- Complies with battery charging specification BC1.2
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products

## USB Charger Receptacles

More Ways to Charge Faster with Bryant's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Bryant's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

## 15A and 20A 125V USB Charger Receptacles

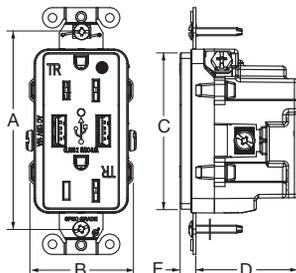


Wiring		Back and Side Wired		
Face		Decorator		
Rating	Color	(2) Type-C Ports	(1) Type A and (1) Type-C Port	(2) Type A Ports
NEMA 5-15, 15A 125V 	Black	<b>USBB8200C5BK</b>	<b>USBB8200AC5BK</b>	<b>USBB8200A5BK</b>
	Brown	<b>USBB8200C5</b>	<b>USBB8200AC5</b>	<b>USBB8200A5</b>
	Gray	<b>USBB8200C5GY</b>	<b>USBB8200AC5GY</b>	<b>USBB8200A5GY</b>
	Ivory	<b>USBB8200C5I</b>	<b>USBB8200AC5I</b>	<b>USBB8200A5I</b>
	Light Almond	<b>USBB8200C5LA</b>	<b>USBB8200AC5LA</b>	<b>USBB8200A5LA</b>
	Red	<b>USBB8200C5R</b>	<b>USBB8200AC5R</b>	<b>USBB8200A5R</b>
	White	<b>USBB8200C5W</b>	<b>USBB8200AC5W</b>	<b>USBB8200A5W</b>
NEMA 5-20, 20A 125V 	Black	<b>USBB8300C5BK</b>	<b>USBB8300AC5BK</b>	<b>USBB8300A5BK</b>
	Brown	<b>USBB8300C5</b>	<b>USBB8300AC5</b>	<b>USBB8300A5</b>
	Gray	<b>USBB8300C5GY</b>	<b>USBB8300AC5GY</b>	<b>USBB8300A5GY</b>
	Ivory	<b>USBB8300C5I</b>	<b>USBB8300AC5I</b>	<b>USBB8300A5I</b>
	Light Almond	<b>USBB8300C5LA</b>	<b>USBB8300AC5LA</b>	<b>USBB8300A5LA</b>
	Red	<b>USBB8300C5R</b>	<b>USBB8300AC5R</b>	<b>USBB8300A5R</b>
	White	<b>USBB8300C5W</b>	<b>USBB8300AC5W</b>	<b>USBB8300A5W</b>

Note: See page R-6 for tamper-resistant description.  
See page A-29 for technical specifications.

## Product Dimensions Inches (mm)

USB Receptacle	
A	3.28" (83.3)
B	1.75" (44.5)
C	2.62" (66.5)
D	1.73" (43.9)
E	0.27" (6.8)





- Accepts up to four straight or angle plugs
- Heavy duty, triple-wipe, high performance brass line contacts for excellent retention and conductivity
- Break-off tab for two-circuit wiring (except surge)
- Saves wiring and installation time
- "A" and "B" circuits molded into face for easy identification
- Easily removable knockouts for mounting to octagon concrete ring or box

### QUADPLEX®

Mounts directly to 4" square or octagon boxes. No cover plate required. Can be retrofitted to 1 and 2-gang device boxes, mud rings on 4" boxes or 4 1/16" boxes using adapter plate. Rugged impact resistant construction. Break-off tabs for split circuit wiring (except surge units).

### 15A and 20A 125V Receptacles

#### QUADPLEX®



Wiring			Terminal Screws				Wire leads	
Rating	Color	Standard	Color	Isolated Ground	Color	Surge Suppression Isolated Ground	Color	Standard
NEMA 5-15, 15A 125V 	Brown	<b>1254HB</b>	Orange	—	Blue	<b>1254HSA</b>	Brown	—
	Gray	<b>1254HGY</b>						
	Ivory	<b>1254HI</b>						
	Red	<b>1254HR</b>						
	White	<b>1254HW</b>						
NEMA 5-20, 20A 125V 	Brown	<b>21254HB</b>	Orange	<b>21254HIGO</b>	Blue	<b>21254HSA</b>	Brown	<b>21254HBL</b>
	Gray	<b>21254HGY</b>						
	Ivory	<b>21254HI</b>						
	Red	<b>21254HR</b>						
	White	<b>21254HW</b>						

Note: See Section C for isolated ground products. See page A-15 for additional information on QUADPLEX® surge receptacles.

### Adapter Plates and Portable Boxes

Color	Adapter Plates		Portable Boxes	
	For 1- & 2-Gang Device Boxes	For 4 1/16" Boxes	with Cord Grip	Feed-thru with Two Cord Grips
Black	<b>ADAPBLK</b>	—	<b>4SQBXBLK</b>	<b>4SQBXFBLK</b>
Blue	<b>ADAPBLU</b>	—	<b>4SQBXBLU</b>	—
Brown	<b>ADAPB</b>	—	<b>4SQBXB</b>	—
Gray	<b>ADAPGRY</b>	—	<b>4SQBXGRY</b>	—
Ivory	<b>ADAPI</b>	<b>ADAPIS</b>	<b>4SQBXI</b>	<b>4SQBXFI</b>
Orange	<b>ADAPO</b>	—	<b>4SQBXO</b>	—
Red	<b>ADAPR</b>	—	<b>4SQBXR</b>	<b>4SQBXFR</b>
White	<b>ADAPW</b>	—	<b>4SQBXW</b>	—



### Cord Sets

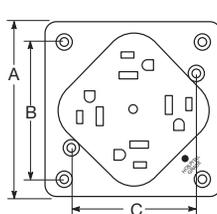
6 Foot Cord Sets, 12/3 SJO		
Rating	Color	Surge Suppression
NEMA 5-15, 15A 125V 	Ivory	<b>T1254SI6A</b>



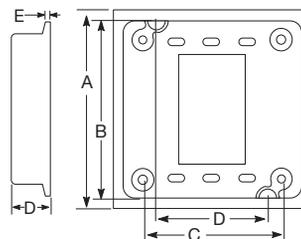
### Product Dimensions Inches (mm)

	Receptacle	Adapter Plate	Portable Box
A	4.30" (109.2)	4.78" (121.4)	4.30" (109.2)
B	3.38" (85.9)	4.25" (108.0)	4.05" (102.9)
C	3.02" (76.7)	3.38" (85.9)	3.28" (85.9)
D	0.92" (23.4)	2.75" (69.9)*	0.84" (21.3)
E	0.10" (2.6)	0.38" (9.5)	0.75" (19.1)
F	—	2.75" (6.9)	—

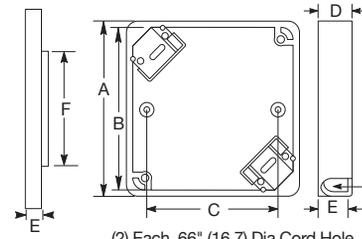
Note: \*Mounting dimensions for 4 1/16" adapter plate.



Receptacle



Adapter Plate



Portable Box

## Impact Resistant Plugs and Connectors



- Impact-resistant thermoplastic construction with automatic cord grip
- Transparent polycarbonate cover allows visual inspection of wire terminations without disassembly
- Pre-attached TPE (thermoplastic elastomer) dust seal helps prevent contaminants from entering wiring chamber
- Single side terminal screws reduce wiring time and are color coded for proper terminations

### Angled Plugs

All Bryant angle devices are ideally suited for any location where space restrictions or obstructions require the power cord to lay close to the wall or flat against the floor.

Bryant hospital grade transparent angle plugs are designed for straight blade applications in hospitals, as well as industrial, commercial and institutional environments – wherever attachment plugs must withstand severe abuse.

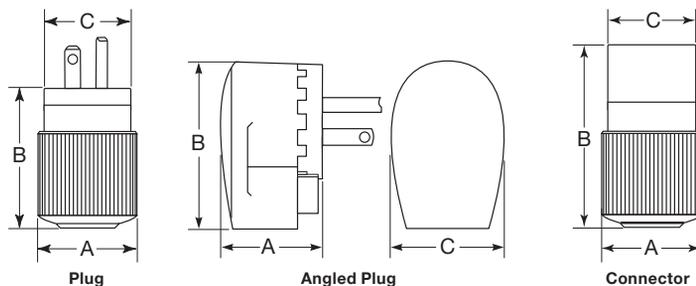
## 15A and 20A 125V and 20A 250V Plugs and Connectors, 2-Pole 3-Wire Inches (mm)



Device Type		Straight Plug		Angled Plug	Connector	
Rating	Cord Diameter	White Thermoplastic	Transparent Nylon/Polycarbonate	Transparent Nylon/Polycarbonate	White Thermoplastic	Transparent Nylon/Polycarbonate
NEMA 5-15, 15A 125V 	.245"-.655" (6.2-16.6)	<b>BRY8266NP</b>	<b>8266T</b>	<b>8295T</b>	<b>BRY8269NC</b>	<b>8269T</b>
NEMA 5-20, 20A 125V 	.245"-.655" (6.2-16.6)	<b>BRY8366NP</b>	<b>8366T</b>	<b>8395T</b>	<b>BRY8369NC</b>	<b>8369T</b>
NEMA 6-20, 20A 250V 	.300"-.625" (7.6-15.9)	<b>BRY8466NP</b>	—	<b>8495T</b>	<b>BRY8469NC</b>	—

## Product Dimensions Inches (mm)

	Plug	Angled Plug	Connector
A	1.52" (38.6)	1.30" (33.0)	1.52" (38.6)
B	2.18" (55.4)	2.07" (52.6)	2.95" (74.9)
C	1.38" (35.1)	1.52" (38.6)	1.38" (35.1)



# Hospital Grade Devices

## Commercial Standard and Tamper-Resistant GFCI Receptacles



- Patented CIRCUITPRO® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Tamper-Resistant version has Patented shutter design for extra protection
- Compliant with NEC® 406.12 and NEC® 517-18(c)
- Alarm version provides audible notification of a trip condition
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output
- Fed. Spec. UL Listed (Hospital Grade)



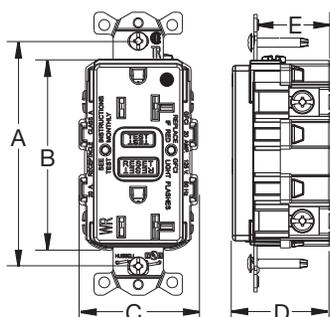
### Hospital Grade • Standard and Tamper-Resistant



Rating	Color	Standard0				Night Light Two LED Night Lights		Alarm	
		Standard0	Standard0	Tamper-Resistant	Standard0	Standard0	Tamper-Resistant		
NEMA 5-15, 15A 125V 	Black	GFST82BK	GFST82BKNL	GFST82BKTRNL	GFST82BKB	GFST82BKTRB			
	Brown	GFST82	GFST82NL	GFST82TRNL	GFST82B	GFST82TRB			
	Gray	GFST82GY	GFST82GYNL	GFST82GYTRNL	GFST82GYB	GFST82GYTRB			
	Ivory	GFST82I	GFST82INL	GFST82ITRNL	GFST82IB	GFST82ITRB			
	Light Almond	GFST82LA	GFST82LANL	GFST82LATRNL	GFST82LAB	GFST82LATRB			
	Red	GFST82R	GFST82RNL	GFST82RTRNL	GFST82RB	GFST82RTRB			
	White	GFST82W	GFST82WNL	GFST82WTRNL	GFST82WB	GFST82WTRB			
NEMA 5-20, 20A 125V 	Black	GFST83BK	GFST83BKNL	GFST83BKTRNL	GFST83BKB	GFST83BKTRB			
	Brown	GFST83	GFST83NL	GFST83TRNL	GFST83B	GFST83TRB			
	Gray	GFST83GY	GFST83GYNL	GFST83GYTRNL	GFST83GYB	GFST83GYTRB			
	Ivory	GFST83I	GFST83INL	GFST83ITRNL	GFST83IB	GFST83ITRB			
	Light Almond	GFST83LA	GFST83LANL	GFST83LATRNL	GFST83LAB	GFST83LATRB			
	Red	GFST83R	GFST83RNL	GFST83RTRNL	GFST83RB	GFST83RTRB			
	White	GFST83W	GFST83WNL	GFST83WTRNL	GFST83WB	GFST83WTRB			

### Product Dimensions Inches (mm)

GFCI Receptacle	
A	3.27" (83.1)
B	2.75" (69.8)
C	1.75" (44.5)
D	1.47" (37.4)
E	1.10" (27.9)



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

## Commercial Tamper-Resistant and Weather Resistant GFCI Receptacles



- Patented shutter design for tamper-resistant protection
- Tamper-Resistant/Weather Resistant Series meets NEC® requirements for TR (517-18c) and WR (406.9), UV and corrosion resistance for harsh and damp applications
- Weather Resistant Only Series meets NEC® requirements for weather resistance (406.9), UV and corrosion resistance for harsh and damp applications
- Patented CIRCUITPRO® self test technology
- Protects against line and load reversal, no power to the face or downstream if device is miswired



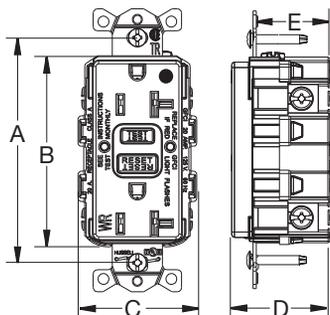
### Hospital Grade • Tamper-Resistant and Weather Resistant



Rating	Color	Standard	Isolated Ground
NEMA 5-15, 15A 125V 	Black	<b>GFST82BKTR</b>	<b>GFST82BKIG</b>
	Brown	<b>GFST82TR</b>	<b>GFST82IG</b>
	Gray	<b>GFST82GYTR</b>	<b>GFST82GYIG</b>
	Ivory	<b>GFST82ITR</b>	<b>GFST82IIG</b>
	Light Almond	<b>GFST82LATR</b>	<b>GFST82LAIG</b>
	Orange	—	<b>GFST82ORIG</b>
	Red	<b>GFST82RTR</b>	<b>GFST82RIG</b>
	White	<b>GFST82WTR</b>	<b>GFST82WIG</b>
NEMA 5-20, 20A 125V 	Black	<b>GFST83BKTR</b>	<b>GFST83BKIG</b>
	Brown	<b>GFST83TR</b>	<b>GFST83IG</b>
	Gray	<b>GFST83GYTR</b>	<b>GFST83GYIG</b>
	Ivory	<b>GFST83ITR</b>	<b>GFST83IIG</b>
	Light Almond	<b>GFST83LATR</b>	<b>GFST83LAIG</b>
	Orange	—	<b>GFST83ORIG</b>
	Red	<b>GFST83RTR</b>	<b>GFST83RIG</b>
	White	<b>GFST83WTR</b>	<b>GFST83WIG</b>

### Product Dimensions Inches (mm)

GFCI Receptacle	
A	3.27" (83.1)
B	2.75" (69.8)
C	1.75" (44.5)
D	1.47" (37.4)
E	1.10" (27.9)



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Hospital Grade Devices

## Surge Suppression Receptacles



- Damage-alert alarm sounds when surge protection is no longer functioning, muting screw allows damage-alert alarm to be silenced until device is replaced
- Power-on indicator light verifies that suppression circuit is fully functional, light off means power has been interrupted, flashing light indicates surge protection circuitry has been damaged
- Automatic grounding clip
- High-impact nylon face resists breakage
- Distinctive surge symbol provides quick visual identification of surge suppression receptacle

### Hospital Grade • Standard and Isolated Ground Surge Suppression Receptacles

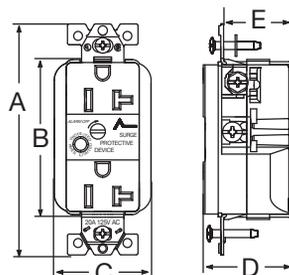


		Surge Suppression Receptacles with Light and Alarm, 240 Joules/15,000 Amps per Mode	
Face		Nylon Face	
		Hospital Grade	
Rating	Color	Standard	with Isolated Ground
NEMA 5-15, 15A 125V 	Blue	<b>SP82A</b>	<b>SP821GA</b>
	Gray	<b>SP82GYA</b>	<b>SP821GGYA</b>
	Ivory	<b>SP82IA</b>	<b>SP821GIA</b>
	Orange	—	<b>SP821GOA</b>
	Red	—	<b>SP821GRA</b>
	White	<b>SP82WA</b>	<b>SP821GWA</b>
NEMA 5-20, 20A 125V 	Blue	<b>SP83A</b>	<b>SP831GA</b>
	Gray	<b>SP83GYA</b>	<b>SP831GGYA</b>
	Ivory	<b>SP83IA</b>	<b>SP831GIA</b>
	Orange	—	<b>SP831GOA</b>
	Red	—	<b>SP831GRA</b>
	White	<b>SP83WA</b>	<b>SP831GWA</b>

### Product Dimensions Inches (mm)

Receptacle	
A	4.04" (102.6)
B	2.80" (71.1)
C	1.72" (43.7)
D	1.60" (40.6)
E	1.24" (31.5)

Note: See page A-5 for dimensions on adapter plates and portable boxes.



Lexan® is a registered trademark of Sabic Innovative Plastics.

# Hospital Grade Devices

## Healthcare Outlet Assemblies (HCOA)

UL2930 Listed



- First UL2930 Product Ever Sold
- 15A and 20A 125V Versions
- 6 ft. or 15 ft. Cord Length
- Surge Protected Models in all Configurations
- #12/3 AWG Cord

### Surge Protection Plug Strips



		UL2930 Health Care Outlet Assembly (HCOA)	
Number of Outlets		Six	
Joule Rating		1100	
Peak AMP Rating		30 kA	
Down Line Warranty		\$2,500	
Length		6 Foot	15 Foot
UL 2930 HCOA with L-N Surge Protection, White	15A	<b>BRY6MG6</b>	<b>BRY6MG15</b>
	20A	<b>BRY6MG620</b>	<b>BRY6MG1520</b>
UL 2930 HCOA Relocatable Power Tap (RPT), White	15A	<b>BRY6MGRPT6</b>	<b>BRY6MGRPT15</b>
	20A	<b>BRY6MGRPT620</b>	<b>BRY6MGRPT1520</b>

### UL2930 Healthcare Outlet Assembly (HCOA)

	BRY6MG Series		BRY6MGRPT Series	
<b>Electrical Specifications</b>				
Current	15A	20A	15A	20A
Voltage	125V	125V	125V	125V
Frequency	60Hz	60Hz	60Hz	60Hz
Surge Component	MOV	MOV	N/A	N/A

#### Performance

UL VPR	L-N	600V	N/A
	L-G, N-G	N/A	
EMI Noise Filtration:		-11 dB to -68 dB (10kHz to 100MHz)	N/A
In (Nominal Discharge Current)		3kA	
MCOV		150V	
Peak Current Rating L-N		30KA	
Leakage Current:		<.1mA	
Total Joules (L-N)		550J	

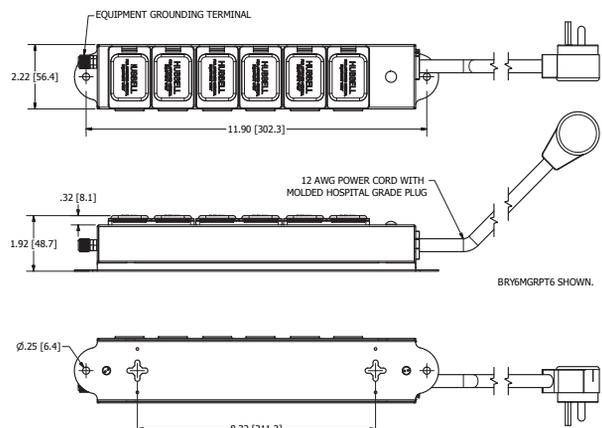
#### Environmental Specifications

Operating Temperature	-40°F to 160°F (-40°C to 70°C)
-----------------------	--------------------------------

**Certifications** UL 2930; UL File # E488399; RoHs Compliant; NFPA 99 2012 ed; ANSI / IEEE Category A (HBL6MG Series Only)

### Product Dimensions Inches (mm)

	Non-Metallic Strips			Metallic Strips
	SPD and Power Strip	SPD with Fax Modem	SPD w/ Fax/Modem CATV/Satellite	SPD and Power Strip
A	11.2" (284.5)	14.75" (374.7)	10.4" (264.2)	12.25" (311.2)
B	2.36" (59.9)	2.36" (59.9)	3.8" (96.5)	2.5" (63.5)
C	1.85" (47.0)	1.85" (47.0)	1.44" (36.6)	1.5" (38.1)

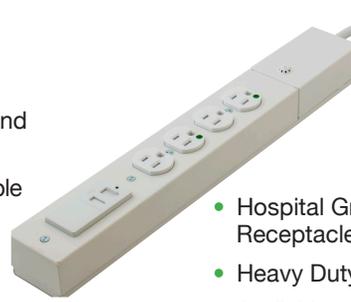


# Hospital Grade Devices

## Portable Surge Protection Devices (SPD)



- Metallic and non-metallic units
- Six, seven and eight outlet units
- No surge, 350 joule, 1050 joule and 2100 joule protection units
- Transformer spaced outlets available on some units
- 15A resettable ON/OFF circuit breaker switch and power and ground indicating LEDs
- Available with fax/modem, cable TV and satellite protection on some units

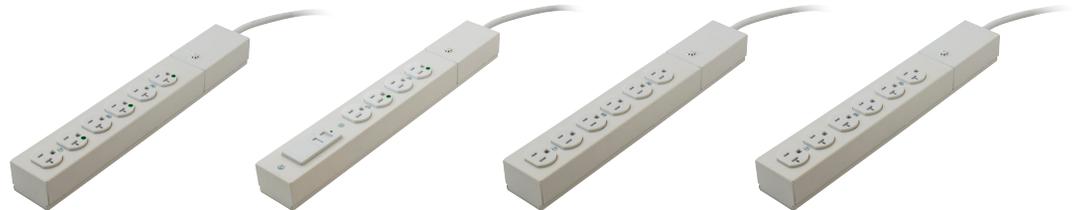


- Hospital Grade Tamper-Resistant Receptacles with a Hospital Grade Plug
- Heavy Duty Metal Housing
- Available with a 2-Port USB Charging Outlet
- Tamper-Resistant Receptacles with a Heavy Duty Plug
- Heavy Duty Metal Housing



Listed to UL1449 and UL1363

## Surge Protection Plug Strips



		SPD with Hospital Grade • Tamper-Resistant Receptacles		SPD with Industrial Grade Tamper-Resistant Receptacles	
Number of Outlets		Six		Six	
Joule Rating		1100		1100	
Peak AMP Rating		30 kA		30 kA	
Down Line Warranty		\$2,500		\$10,000	\$25,000
Length		6 Foot	15 Foot	6 Foot	15 Foot
UL Type 3 SPD, Heavy Duty Metal Housing, White	15A	<b>BRY6HG6</b>	<b>BRY6HG15</b>	<b>BRY6SS6</b>	<b>BRY6SS15</b>
	20A	<b>BRY6HG620</b>	<b>BRY6HG1520</b>	<b>BRY6SS620</b>	<b>BRY6SS1520</b>
UL Type 3 SPD, Heavy Duty Metal Housing with 2-Port USB, White	15A	<b>BRY6HGUSB6</b>	—	—	—

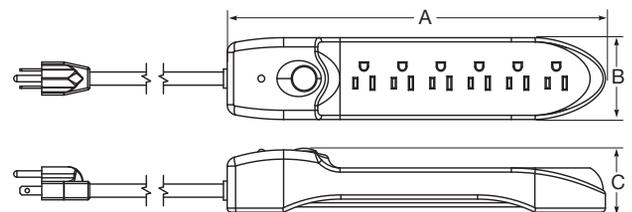


	SPD		SPD with Fax/Modem	SPD with Fax/Modem/CATV/Satellite	Power Strip (No surge protection)
Number of Outlets	Six		Seven	Eight	Six
Joule Rating	350 (Non-Metallic) 1050 (Metallic)		1050	2100	N/A
Peak AMP Rating	6.5 kA (Non-Metallic) 19.5 kA (Metallic)		19.5 kA	39 kA	N/A
Down Line Warranty	\$2,500		\$10,000	\$25,000	N/A
Length	6 Foot	15 Foot	6 Foot	6 Foot	6 Foot
Non-Metallic, Office White	<b>BRY6PS350</b>	<b>BRY6PS35015</b>	<b>BRY7PS1050M</b>	<b>BRY8PS2100D</b>	<b>BRY6PPS</b>
Metallic, Office White	<b>BRY6MPS1050</b>	—	—	—	<b>BRY6MPS</b>

Note: See page C-8 for technical information on plug strips.

## Product Dimensions Inches (mm)

	Non-Metallic Strips			Metallic Strips
	SPD and Power Strip	SPD with Fax Modem	SPD with Fax/Modem CATV/Satellite	SPD and Power Strip
A	11.2" (284.5)	14.75" (374.7)	10.4" (264.2)	12.25" (311.2)
B	2.36" (59.9)	2.36" (59.9)	3.8" (96.5)	2.5" (63.5)
C	1.85" (47.0)	1.85" (47.0)	1.44" (36.6)	1.5" (38.1)



# Hospital Grade Devices

## Technical Specifications - Surge Receptacles

### Surge Receptacles

Description	
Typical specification – catalog number	SP821GA
Manufacturer's identification	Bryant SP821G Series

### Certification

UL Listed, UL Standards 1449 surge protective devices and 498 receptacles  
 Certified to CSA, C22.2, No. 42

### Materials Inches (mm)

Components	Materials
Cover and base	Nylon
Line contacts	High performance brass alloy
Mounting yoke	0.05 inch (1.3mm)
Terminal screws	Brass #8-32
Clamp nut	Brass - 0.03" (.8mm)
Grounding screw	Brass (green) #8-32
Ground contacts	High performance
Auto grounding assembly	Stainless steel
Flat head mounting screws	ZinD-plated steel



Description	Industrial grade isolated ground surge suppression duplex receptacle
Type	2-pole, 3-wire, grounding
Rating	15A 125V, NEMA 5-15R

ANSI/IEEE C62.41 (IEEE 587) categories "A" and "B"  
 NEMA WD-6  
 Meets UL and CSA varistor thermal protection requirements

### Performance

Electrical	
UL voltage protection level	600V
Operating voltage	125V AC
Frequency	60 Hz
Protection modes	Normal mode (L-N), common mode (L-G) (N-G)
Noise filtration	RFI and EMI 100KHz, 4MHz-10DB to -20DB
Response time	Less than 5 nanoseconds (ns)
Peak energy 10X 1000µs	240 joules
Peak current 8X 20µs	15,000 Amps
Mechanical	
Terminal identification	Terminals identified in accordance with UL 498 (brass, white, green)
Terminal accommodation	#14-10 AWG copper conductor only, solid or stranded
Product identification	Ratings are a permanent part of the device
Environmental	
Flammability	Cover and base: UL 94 V2
Operating temperatures	Maximum continuous 20°C to 55°C

## Technical Specifications - Portable Surge Protection Devices

### SPD - Healthcare and Industrial Series

BRY6SS/BRY6HG Series	15 Amp	20 Amp	
<b>Electrical Specifications</b>			
Current	15A	20A	
Voltage	125V	125V	
Frequency	60Hz	60Hz	
Surge Component	MOV	MOV	
Over Current Protection	15A CB	20A CB	
2-Port USB (BRY6HGUSB6)	5V DC Type A	N/A	
UL VPR	L-N 500V	L-G 600V	N-G 600V
MCOV	150V		
Peak Current Rating L-N	30KA		
Leakage Current:	<.5mA		
EMI / RFI Noise Rejection	-11 dB to -68 dB (10kHz to 100MHZ)		
Total Joules (all modes)	1100j		
<b>Certifications</b>			
cULus Listed to UL1449 4th Edition; UL File # E143272; RoHs Compliant; NFPA 99 2012 ed; ANSI / IEEE Category A; cULus Listed to UL1310 (2-Port USB)			
<b>Environmental Specifications</b>			
Operating Temperature	-40°F to 160°F (-40°C to 70°C)		

### SPD - Commercial and Residential Series

	BRYPS350 Series	BRYPS1050 Series	BRYPS2100 Series	BRYMPS1050 Series
<b>Operating Specifications</b>				
MCOV	130V			
Max Surge Current	6.5kA	19.5kA	39.0kA	19.5kA
Frequency	50/60Hz			
Operating Temperature	-40°F to 160°F (-40°C to 70°C)			
<b>Physical Specifications</b>				
Housing Type	ABS			Metal
Color	Office White			
<b>Performance</b>				
UL VPR	400V			
EMI / RFI Noise Rejection	-	-20dB	-	
<b>Warranty</b>				
Downline Warranty	\$2,500	\$10,000	\$25,000	\$2,500
<b>Certification</b>	UL 1449 3rd Edition			

# Section C

## Ground Fault Devices

Table of Contents	Page
<b>Bryant GFCI Receptacles</b>	
Bryant Self-Test GFCI Patented Technology and Features . . . . .	C-2
<b>Commercial GFCI Receptacles</b>	
Tamper-Resistant . . . . .	C-3
Standard and Hospital Grade . . . . .	C-4
Tamper-Resistant and Weather-Resistant . . . . .	C-5
Weather-Resistant Only . . . . .	C-5
Common Questions and Answers . . . . .	C-6
Technical Specifications . . . . .	C-6
<b>GFCI Sensing Modules</b> . . . . .	C-7
<b>Portable GFCI Products</b>	
Industrial Grade, Manual Set GFCI Line Cords . . . . .	C-8
Plug-In Portable GFCI . . . . .	C-8
Commercial Grade, Manual and Automatic Set GFCI Line Cords . . . . .	C-9
Technical Specifications . . . . .	C-12
<b>Temporary Power Distribution Boxes</b>	
Features and Benefits . . . . .	C-10
Temporary Power Boxes, Cable Sets and Replacement Parts . . . . .	C-11
Technical Specifications . . . . .	C-12



# Ground Fault Devices

## Bryant Self-Test GFCI Patented Technology and Features

CIRCUITPRO® Self-Test Technology 1st introduced by Bryant over 10 years ago!  
 ...self-test monitoring now required in 2015 UL 943 GFCI Safety Standard...

### Bryant Self-Test GFCI Patented Technology

Bryant CIRCUITPRO® GFCI receptacles continually test and monitor for “people protection capability” automatically. This patented safety feature includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost. GFCI auto-monitoring is conducted continuously within every 30 seconds.

Also, clear visual indicators are provided on the device face representing power status, trip condition, ground fault condition and end of life status. In addition, for added safety, power will be denied to the receptacle face if reverse wiring of line and load was to occur.

UL (Underwriters Laboratory) now requires all manufacturers to provide self-test monitoring capability effective June 29, 2015. When was the last time you tested a GFCI receptacle? Industry studies indicate only a very small number of installations are actually being tested as is recommended by the manufacturer and UL. This is the fundamental reason this new revision has been incorporated into UL 943 standard for 2015.

Each Ground Fault Receptacle must automatically monitor GFCI functionality periodically	If the unit can no longer provide GFCI protection, it must comply with the following	Reverse line and load miswire function – (repeated)
Automatically test within (5) seconds of power to line and load terminals, periodically means every (3) hours or less.	Deny Power (trip with the inability to reset), if unit does reset it is subject to the next auto-monitoring test cycle.  Visual and/or audible indication that it no longer can provide protection.	If the line conductor is wired to the load terminal, power to the receptacle face will be denied. This includes both the initial installation and any subsequent reinstallations.

### Features

- **Patented CIRCUITPRO® Technology** — Continuously Self-Tests functionality and disconnects power to receptacle if critical components are damaged and GFCI protection is lost
- **Federal Communications Commission Part 15** — Compliant for radiated and conducted emissions
- **Thermoplastic Nylon Housing** — High-impact and ultraviolet resistant construction provides resilience in harsh environments
- **Clear Visual Indication of Ground Fault Receptacle Status** — LED indicating lights:
  - Green LED (power to the device)
  - Red LED (trip condition/ground fault condition)
  - Flashing Red LED (end of life)
- **Internal Back Wiring Clamp and Guide Pocket** — Quick and dependable termination
- **Protection Against Line and Load Reversal** — No power to the face or downstream receptacles if device is miswired
- **Installation Ease, Lower Labor Cost** — With auto-grounding clip, captive mounting screws and single tab “breakoff” ears and full “breakoff” for OEM raised covers
- **Night Light Option** — Light sensor controls for automatic “ON/OFF” and custom dual lens for optimum light output





## Commercial Tamper-Resistant GFCI Receptacles



### Features

- Patented CIRCUITPRO® self-test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Patented shutter design for tamper-resistant protection
- Compliant with NEC® 406.12 and NEC® 517-18(c)
- Alarm version provides audible notification of a trip condition



### Tamper-Resistant



Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Combination Switch 15A 120V Switch	Standard 3-Pack Three Devices per Pack
NEMA 5-15, 15A 125V 	Black	<b>GFTRST15BK</b>	<b>GFTRST15BKNL</b>	<b>GFTRST15BKB</b>	—	—
	Brown	<b>GFTRST15</b>	<b>GFTRST15NL</b>	<b>GFTRST15B</b>	—	—
	Gray	<b>GFTRST15GY</b>	<b>GFTRST15GYNL</b>	<b>GFTRST15GYB</b>	—	—
	Ivory	<b>GFTRST15I</b>	<b>GFTRST15INL</b>	<b>GFTRST15IB</b>	<b>GFSPST15I</b>	<b>GFTRST15I3</b>
	Light Almond	<b>GFTRST15LA</b>	<b>GFTRST15LANL</b>	<b>GFTRST15LAB</b>	<b>GFSPST15LA</b>	<b>GFTRST15LA3</b>
	Red	<b>GFTRST15R</b>	<b>GFTRST15RNL</b>	<b>GFTRST15RB</b>	—	—
White	<b>GFTRST15W</b>	<b>GFTRST15WNL</b>	<b>GFTRST15WB</b>	<b>GFSPST15W</b>	<b>GFTRST15W3</b>	
NEMA 5-20, 20A 125V 	Black	<b>GFTRST20BK</b>	<b>GFTRST20BKNL</b>	<b>GFTRST20BKB</b>	—	—
	Brown	<b>GFTRST20</b>	<b>GFTRST20NL</b>	<b>GFTRST20B</b>	—	—
	Gray	<b>GFTRST20GY</b>	<b>GFTRST20GYNL</b>	<b>GFTRST20GYB</b>	—	—
	Ivory	<b>GFTRST20I</b>	<b>GFTRST20INL</b>	<b>GFTRST20IB</b>	—	<b>GFTRST20I3</b>
	Light Almond	<b>GFTRST20LA</b>	<b>GFTRST20LANL</b>	<b>GFTRST20LAB</b>	—	<b>GFTRST20LA3</b>
	Red	<b>GFTRST20R</b>	<b>GFTRST20RNL</b>	<b>GFTRST20RB</b>	—	—
White	<b>GFTRST20W</b>	<b>GFTRST20WNL</b>	<b>GFTRST20WB</b>	—	<b>GFTRST20W3</b>	



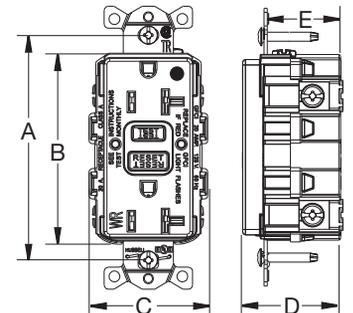
### Hospital Grade • Tamper-Resistant



Rating	Color	Night Light Two LED Night Lights	Alarm
NEMA 5-15, 15A 125V 	Black	<b>GFST82BKTRNL</b>	<b>GFST82BKTRB</b>
	Brown	<b>GFST82TRNL</b>	<b>GFST82TRB</b>
	Gray	<b>GFST82GYTRNL</b>	<b>GFST82GYTRB</b>
	Ivory	<b>GFST82ITRNL</b>	<b>GFST82ITRB</b>
	Light Almond	<b>GFST82LATRNL</b>	<b>GFST82LATRB</b>
	Red	<b>GFST82RTRNL</b>	<b>GFST82RTRB</b>
White	<b>GFST82WTRNL</b>	<b>GFST82WTRB</b>	
NEMA 5-20, 20A 125V 	Black	<b>GFST83BKTRNL</b>	<b>GFST83BKTRB</b>
	Brown	<b>GFST83TRNL</b>	<b>GFST83TRB</b>
	Gray	<b>GFST83GYTRNL</b>	<b>GFST83GYTRB</b>
	Ivory	<b>GFST83ITRNL</b>	<b>GFST83ITRB</b>
	Light Almond	<b>GFST83LATRNL</b>	<b>GFST83LATRB</b>
	Red	<b>GFST83RTRNL</b>	<b>GFST83RTRB</b>
White	<b>GFST83WTRNL</b>	<b>GFST83WTRB</b>	

### Product Dimensions Inches (mm)

	GFCI Receptacle
A	3.27" (83.1)
B	2.75" (69.8)
C	1.75" (44.5)
D	1.47" (37.4)
E	1.10" (27.9)



NEC® is a registered trademark of the National Fire Protection Association (NFPA).



## Commercial Standard and Hospital Grade GFCI Receptacles



### Features

- Patented CIRCUITPRO® self-test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output
- Fed. Spec. UL Listed (Hospital Grade)



### Standard

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Blank Face Available in 20A Only	Standard 3-Pack Three Devices per Pack
NEMA 5-15, 15A 125V 	Black	<b>GFRST15BK</b>	<b>GFRST15BKNL</b>	<b>GFRST15BKB</b>	—	—
	Brown	<b>GFRST15</b>	<b>GFRST15NL</b>	<b>GFRST15B</b>	—	—
	Gray	<b>GFRST15GY</b>	<b>GFRST15GYNL</b>	<b>GFRST15GYB</b>	—	—
	Ivory	<b>GFRST15I</b>	<b>GFRST15INL</b>	<b>GFRST15IB</b>	—	<b>GFRST15I3</b>
	Light Almond	<b>GFRST15LA</b>	<b>GFRST15LANL</b>	<b>GFRST15LAB</b>	—	<b>GFRST15LA3</b>
	Red	<b>GFRST15R</b>	<b>GFRST15RNL</b>	<b>GFRST15RB</b>	—	—
	White	<b>GFRST15W</b>	<b>GFRST15WNL</b>	<b>GFRST15WB</b>	—	<b>GFRST15W3</b>
NEMA 5-20, 20A 125V 	Black	<b>GFRST20BK</b>	<b>GFRST20BKNL</b>	<b>GFRST20BKB</b>	<b>GFBFST20BK</b>	—
	Brown	<b>GFRST20</b>	<b>GFRST20NL</b>	<b>GFRST20B</b>	<b>GFBFST20</b>	—
	Gray	<b>GFRST20GY</b>	<b>GFRST20GYNL</b>	<b>GFRST20GYB</b>	<b>GFBFST20GY</b>	—
	Ivory	<b>GFRST20I</b>	<b>GFRST20INL</b>	<b>GFRST20IB</b>	<b>GFBFST20I</b>	<b>GFRST20I3</b>
	Light Almond	<b>GFRST20LA</b>	<b>GFRST20LANL</b>	<b>GFRST20LAB</b>	<b>GFBFST20LA</b>	<b>GFRST20LA3</b>
	Red	<b>GFRST20R</b>	<b>GFRST20RNL</b>	<b>GFRST20RB</b>	<b>GFBFST20R</b>	—
	White	<b>GFRST20W</b>	<b>GFRST20WNL</b>	<b>GFRST20WB</b>	<b>GFBFST20W</b>	<b>GFRST20W3</b>

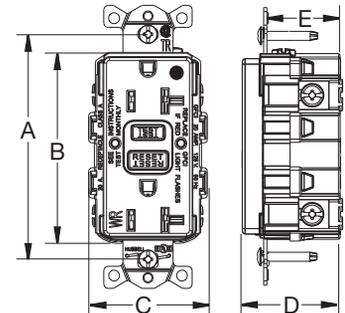
### Hospital Grade ●



Rating	Color	Standard0	Night Light Two LED Night Lights	Alarm
NEMA 5-15, 15A 125V 	Black	<b>GFST82BK</b>	<b>GFST82BKNL</b>	<b>GFST82BKB</b>
	Brown	<b>GFST82</b>	<b>GFST82NL</b>	<b>GFST82B</b>
	Gray	<b>GFST82GY</b>	<b>GFST82GYNL</b>	<b>GFST82GYB</b>
	Ivory	<b>GFST82I</b>	<b>GFST82INL</b>	<b>GFST82IB</b>
	Light Almond	<b>GFST82LA</b>	<b>GFST82LANL</b>	<b>GFST82LAB</b>
	Red	<b>GFST82R</b>	<b>GFST82RNL</b>	<b>GFST82RB</b>
	White	<b>GFST82W</b>	<b>GFST82WNL</b>	<b>GFST82WB</b>
NEMA 5-20, 20A 125V 	Black	<b>GFST83BK</b>	<b>GFST83BKNL</b>	<b>GFST83BKB</b>
	Brown	<b>GFST83</b>	<b>GFST83NL</b>	<b>GFST83B</b>
	Gray	<b>GFST83GY</b>	<b>GFST83GYNL</b>	<b>GFST83GYB</b>
	Ivory	<b>GFST83I</b>	<b>GFST83INL</b>	<b>GFST83IB</b>
	Light Almond	<b>GFST83LA</b>	<b>GFST83LANL</b>	<b>GFST83LAB</b>
	Red	<b>GFST83R</b>	<b>GFST83RNL</b>	<b>GFST83RB</b>
	White	<b>GFST83W</b>	<b>GFST83WNL</b>	<b>GFST83WB</b>

### Product Dimensions Inches (mm)

	GFCI Receptacle
A	3.27" (83.1)
B	2.75" (69.8)
C	1.75" (44.5)
D	1.47" (37.4)
E	1.10" (27.9)



# Ground Fault Devices

## Commercial Tamper-Resistant and/or Weather-Resistant GFCI Receptacles



### Features

- Patented shutter design for tamper-resistant protection
- Tamper-Resistant/Weather-Resistant Series meets NEC® requirements for TR (517-18c) and WR (406.9), UV and corrosion resistance for harsh and damp applications
- Weather-Resistant Only Series meets NEC® requirements for weather resistance (406.9), UV and corrosion resistance for harsh and damp applications
- Patented CIRCUITPRO® self-test technology
- Protects against line and load reversal, no power to the face or downstream if device is miswired



### Tamper-Resistant Weather-Resistant



Rating	Color	Standard	Isolated Ground	
NEMA 5-15, 15A 125V 	Black	<b>GFTWRST15BK</b>	<b>GFTWRST15BKIG</b>	
	Brown	<b>GFTWRST15</b>	<b>GFTWRST15IG</b>	
	Gray	<b>GFTWRST15GY</b>	<b>GFTWRST15GYIG</b>	
	Ivory	<b>GFTWRST15I</b>	<b>GFTWRST15IIG</b>	
	Light Almond	<b>GFTWRST15LA</b>	<b>GFTWRST15LAIG</b>	
	Orange	—	<b>GFTWRST15ORIG</b>	
	Red	<b>GFTWRST15R</b>	<b>GFTWRST15RIG</b>	
	White	<b>GFTWRST15W</b>	<b>GFTWRST15WIG</b>	
	NEMA 5-20, 20A 125V 	Black	<b>GFTWRST20BK</b>	<b>GFTWRST20BKIG</b>
		Brown	<b>GFTWRST20</b>	<b>GFTWRST20IG</b>
Gray		<b>GFTWRST20GY</b>	<b>GFTWRST20GYIG</b>	
Ivory		<b>GFTWRST20I</b>	<b>GFTWRST20IIG</b>	
Light Almond		<b>GFTWRST20LA</b>	<b>GFTWRST20LAIG</b>	
Orange		—	<b>GFTWRST20ORIG</b>	
Red		<b>GFTWRST20R</b>	<b>GFTWRST20RIG</b>	
White		<b>GFTWRST20W</b>	<b>GFTWRST20WIG</b>	



### Weather-Resistant Only



Rating	Color	Standard
NEMA 5-15, 15A 125V 	Black	<b>GFWRST15BK</b>
	Brown	<b>GFWRST15</b>
	Gray	<b>GFWRST15GY</b>
	Ivory	<b>GFWRST15I</b>
	Light Almond	<b>GFWRST15LA</b>
	Red	<b>GFWRST15R</b>
NEMA 5-20, 20A 125V 	Black	<b>GFWRST20BK</b>
	Brown	<b>GFWRST20</b>
	Gray	<b>GFWRST20GY</b>
	Ivory	<b>GFWRST20I</b>
	Light Almond	<b>GFWRST20LA</b>
	Red	<b>GFWRST20R</b>
White	<b>GFWRST20W</b>	



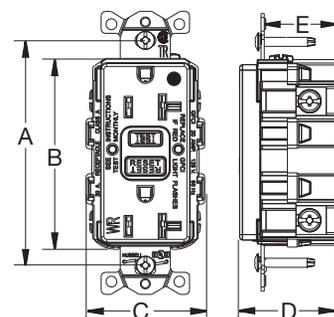
### Hospital Grade • Tamper-Resistant Weather-Resistant



Rating	Color	Standard	Isolated Ground	
NEMA 5-15, 15A 125V 	Black	<b>GFST82BKTR</b>	<b>GFST82BKIG</b>	
	Brown	<b>GFST82TR</b>	<b>GFST82IG</b>	
	Gray	<b>GFST82GYTR</b>	<b>GFST82GYIG</b>	
	Ivory	<b>GFST82ITR</b>	<b>GFST82IIG</b>	
	Light Almond	<b>GFST82LATR</b>	<b>GFST82LAIG</b>	
	Orange	—	<b>GFST82ORIG</b>	
	Red	<b>GFST82RTR</b>	<b>GFST82RIG</b>	
	White	<b>GFST82WTR</b>	<b>GFST82WIG</b>	
	NEMA 5-20, 20A 125V 	Black	<b>GFST83BKTR</b>	<b>GFST83BKIG</b>
		Brown	<b>GFST83TR</b>	<b>GFST83IG</b>
Gray		<b>GFST83GYTR</b>	<b>GFST83GYIG</b>	
Ivory		<b>GFST83ITR</b>	<b>GFST83IIG</b>	
Light Almond		<b>GFST83LATR</b>	<b>GFST83LAIG</b>	
Orange		—	<b>GFST83ORIG</b>	
Red		<b>GFST83RTR</b>	<b>GFST83RIG</b>	
White		<b>GFST83WTR</b>	<b>GFST83WIG</b>	

### Product Dimensions Inches (mm)

	GFCI Receptacle
A	3.27" (83.1)
B	2.75" (69.8)
C	1.75" (44.5)
D	1.47" (37.4)
E	1.10" (27.9)



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Ground Fault Devices

## Technical Specifications

### Performance

Certifications	Standards
UL File # E41978	Underwriters Laboratories 943 Class A GFCI 2015 and UL 498 Receptacles
CSA File # LR24886	Canadian Standards Association C22.2 Number 42
Industry Standards	NEMA® WD 6, ANSI® C-73, NOM, NEC® and CEC
FCC Part 15 Class B	Certified conformance to radiated and conducted emission testing per FCC
Electrical	Performance Specifications
Trip Level	4 – 6 mA
Trip Time	.025 sec
Frequency	60 Hz
Voltage	120V AC +10% - 15%
Amperage	15A/20A, 20A feed-thru
Dielectric voltage withstand	1500V minimum per UL 498
AC Horsepower Rating	1 HP
Current Interrupting	10,000 amps
Green LED Indicator	On when power is available to the device
Red Trip Indicator	On when device is in the tripped position
Red "EOL" Indicator	Rapid flash when unit has reached end of life and/or cannot provide GFCI protection
Mechanical	
Terminal Accommodations	#14 – #10 AWG
Product Identification	Ratings are a permanent part of the device

### Environmental

Flammability	UL94 V2
Operating Temperature	-35° to +66° C (- 30° to + 150° F)
Maximum Humidity	95%

### Common Questions and Answers

**Q: Why are ground fault receptacles changing?**

A: Underwriters Laboratory per revised Standard 943 has published new self-test monitoring requirements that apply to all permanently installed GFCI products, effective June 29, 2015.

**Q: What is the primary benefit from these changes?**

A: Every Ground Fault Receptacle must now test itself for the ability to provide GFCI protection. Industry studies show installed ground fault receptacles are not being tested as required by the end user (minimum monthly).

**Q: Can I continue to use current generation GFCI receptacles after June 28th?**

A: Absolutely, the current Bryant GFCI receptacles can no longer be produced after June 28, 2015. However, these devices produced prior to June 28, 2015 can be sold by manufacturers and distributors until their inventories are depleted. There is no time limitation on use of this product.

**Q: What is different about this new version?**

A: A power denial feature has been added to this next generation of self-test Ground Fault Receptacle product. If critical components are damaged and GFCI protection is lost, power to the receptacle will be disconnected.

**Q: What types of indicators do the CIRCUITPRO® ground fault receptacles have?**

A: Every Ground Fault Receptacle includes a solid green LED to indicate power to the face, a solid red LED for a tripped condition and a flashing red LED to indicate end of life when the unit should be replaced.

**Q: How does the Alarm version function?**

A: The Alarm Ground Fault Receptacle includes all LED indicators that are in the standard product. In addition, an audible alarm will sound when either the unit trips and/or is in end of life. A "silencing feature" is provided on the face of the device to turn off as needed.

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

ANSI® is a registered trademark of the American National Standards Institute.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Ground Fault Devices

## GFCI Sensing Modules



- In the event of a ground fault, the load is interrupted by way of the hydraulic magnetic circuit breaker utilizing a shunt trip coil
- Automatic or manual "safe start" reset feature
- Rated from 1 to 50 amps
- Ideal for portable generator integration protecting all outlets on a generator
- Achieves a NEMA 4X Rating when mounted with the supplied gasket
- Meets the proposed requirements for generators Underwriters Laboratory subject 2201, UL/cUL 943 Listed, Class A 4-6mA trip level and UL 1053 Compliant

### GFCI Sensing Modules 50A



	Automatic
120V AC	<b>GFSMST120A</b>

### GFCI Sensing Module Circuit Breakers

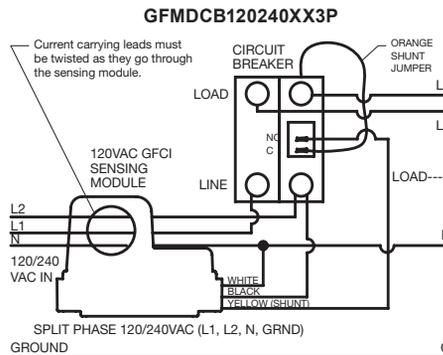
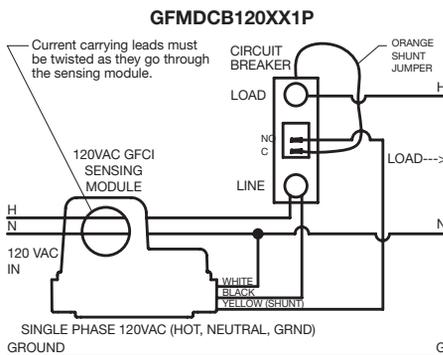


Catalog Number Configurator

Example Catalog Number: **GFMDCB120401P**

Ground Fault Sensing Module Circuit Breaker	A/C Voltage	Amperage	Number of Poles	Sensing Module Required
<b>GFMDCB</b>	120	1 to 50	1	<b>GFSMST120A</b>
	120		2	
	120/240		2	
	120/240		3	

### Wiring Schematics



## Manual Set Portable GFCI Line Cords



- Easy-to-operate sealed key pad
- High-impact PVC watertight housing
- SJTW-A cord #14/3
- Sealed molded plug
- Bright fault light

### Portable GFCI Line Cords

Portable GFCI Line Cords provide ground fault protection both indoors and out. They interrupt electrical power to protect personnel when leakage to ground is 4-6 milliamperes. Available in lengths of 18 inches (45.7 cm), 6 feet (182.9 cm), and 25 feet (762.0 cm). A 15 feet (457.2 cm) OEM version with stripped leads is also available. They are offered with Manual Set feature to meet your application.

**IP20**  
SUITABILITY

### Manual Set Portable GFCI Line Cords Feet (cm)



Description	18 In. (45.7)	6' (182.9)	25' (762.0)
15A 120V AC, #14-3 SJTW-A	<b>GFPST4C15A</b>	<b>GFPST6C15A</b>	<b>GFPST25C15A</b>

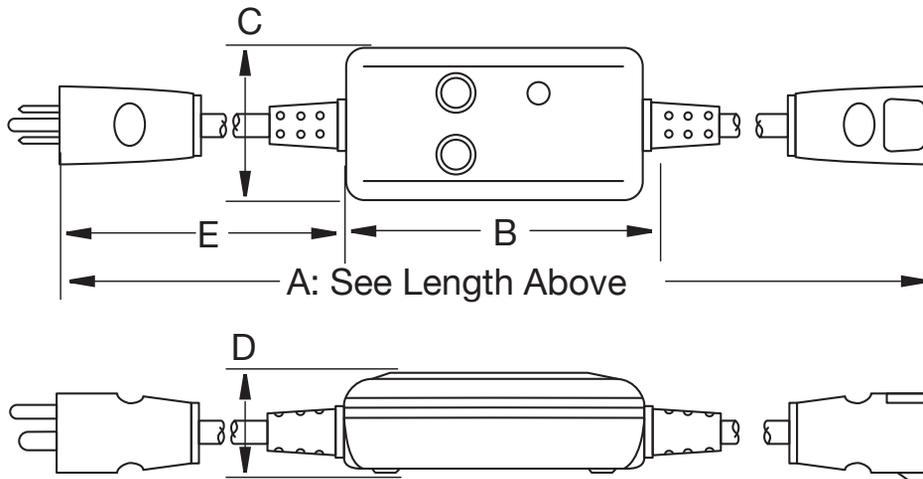
### QUADPLEX® Ground Fault Cord Sets Feet (cm)



Description	6' (182.9)
15A 120V AC 12/3 SJO cord, pilot light, yellow, thermoplastic	<b>T1254GF6</b>

### Product Dimensions Inches (mm)

GFCI Line Cord	
A	18.00" (457.2)
B	5.19" (131.8)
C	2.56" (65.0)
D	1.58" (40.1)
E	9.00" (228.6)



# Ground Fault Devices



## Portable GFCI Products



- Available with an automatic or manual "safe start" reset feature
- Single and triple power tap configurations
- Recessed "test and reset" buttons
- LED indicates power and fault status

### GFCI In-Line – Single & Triple Tap 15A

This In-Line Ground Fault Circuit Interrupter is rated for 15 Amps at 120V AC. Product is available with an automatic or manual "safe start" reset features. Product variations include single and triple power tap configurations. Recessed "test and reset" buttons avoid accidental contact during handling and use. LED indicates power and fault status at a glance. Heavy duty construction is rated NEMA 3R.

### Portable GFCI Feet (cm)



Description	Set	GFCI Line Cord			In-Line GFCI	
		Single Tap		Triple Tap	Single Tap	Triple Tap
		2' (61.0)	25' (762.0)	2' (61.0)	2' (61.0)	2' (61.0)
15A 120V AC, 12/3 SJEOW	Automatic Manual	<b>GFC2A</b> <b>GFC2M</b>	— <b>GFC25M</b>	<b>GFC2TRIA</b> <b>GFC2TRIM</b>	<b>GFCI15125A</b> <b>GFCI15125M</b>	<b>GFCI15125TRIA</b> <b>GFCI15125TRIM</b>

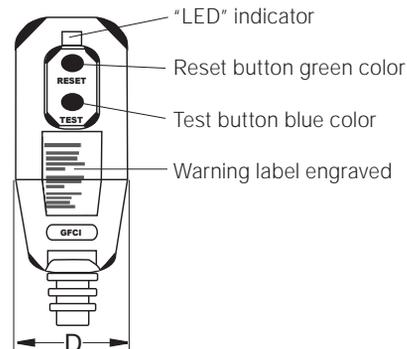
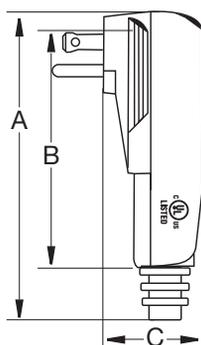
### OEM Equipment Integrated Cord Sets Feet (cm)



Description	Set	GFCI with Flying Leads 15 (457.2)	Field Wireable Black Plug
15A 120V AC, 14/3 SJEOW	Automatic Manual	<b>GFCL15A</b> —	<b>GFP15A</b> <b>GFP15MA</b>

### Product Dimensions Inches (mm)

GFCI Plug	
A	5.16" (131.0)
B	4.25" (108.0)
C	1.72" (43.7)
D	1.90" (48.3)
E	1.06" (26.8)



# Ground Fault Devices

## Temporary Power Distribution Boxes

### Temporary Power Distribution Boxes

- Designed to address temporary power needs on construction sites and outdoor events
- Boxes are UL Type 3R for outdoor rainproof applications
- Weatherproof boots available for connecting plugs for additional protection from elements



### Certifications

- Bryant's Temporary Power Distribution Boxes meet NEC® 305.6 requirements for personal protection
- Listed to the latest UL 1640 standard for Portable Power Distribution Equipment

### Applications

#### Construction Sites

- Renovations
- New Construction
- Demolition



#### Universities/Schools

- Graduation Ceremonies
- Concerts/Lectures
- Sporting Events



### Features and Benefits



#### Housing Design

- Durable hi-visibility yellow powder coated steel construction
- Weatherproof receptacle lift covers
- Features 50A locking input and output



#### Receptacles

- Available with six 20A straight blade or locking covered receptacles



#### Safety

- Over current protection for each circuit
- Individual GFCI module for each receptacle
- NEMA 3R enclosures

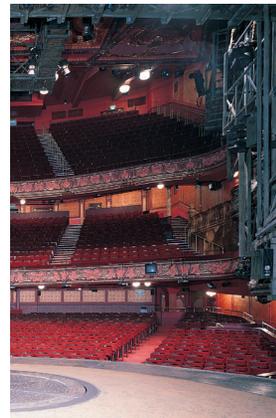


#### Leg Design

- Nesting leg design allows boxes to be easily stacked, saving space in the warehouse and on the truck

#### Stage/Theater

- Movie/Broadcasting
- Concerts
- Plays/Musicals



#### Outdoor Entertainment

- Carnivals
- Festivals
- Professional Sports



NEC® is a registered trademark of the National Fire Protection Association (NFPA).



- Weatherproof receptacle lift covers
- Available with six 20A straight blade or locking receptacles
- Features 50A locking input and output
- Over current protection for each circuit
- Individual GFCI module for each receptacle
- Nested leg design allows boxes to be easily stacked
- UL Type 3R for outdoor rainproof applications

### Temporary Power Distribution Boxes

Rating	Type	Qty	Receptacle Ratings	Protection Overload	GFCI Protected	Catalog Number
50A 120/240V AC (Max.)	Straight Blade	6	20A 125V	Yes	Yes	<b>TPDSB</b>
	Locking	1	30A 250V	Yes	No	
	Locking (inlet)	1	50A 125/250V	No	No	
	Locking (outlet)	1	50A 125/250V	No	No	
50A 120/240V AC (Max.)	Locking	6	20A 125V	Yes	Yes	<b>TPDLB</b>
	Locking	1	30A 250V	Yes	No	
	Locking (inlet)	1	50A 125/250V	No	No	
	Locking (outlet)	1	50A 125/250V	No	No	

### Cable Sets



Description	50 Ft. Cable	100 Ft. Cable
50A cord set, #6/3, #8/1 cable type, with 50A locking plug and connector, not UL Listed or CSA Certified	<b>TPC50B*</b>	<b>TPC100B*</b>

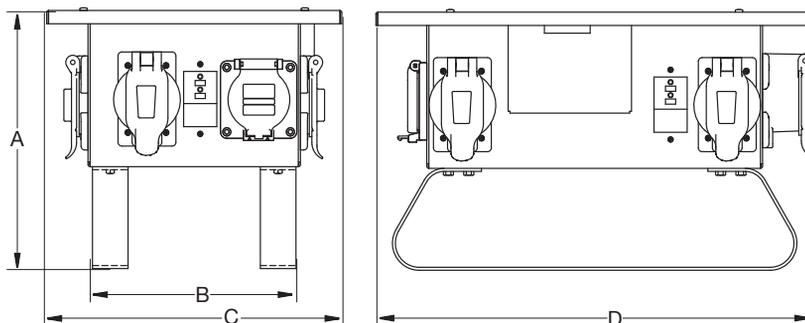
### Replacement Parts



Description	20A 125V	30A 250V	50A 125/250V
Straight blade receptacle	<b>CRS20</b>	—	—
Locking receptacle	—	<b>70530FR</b>	<b>CS6369L</b>
Plug	—	—	<b>CS6365L</b>
Connector	—	—	<b>CS6364L</b>
Inlet	—	—	<b>CS6375L</b>
Weather protective plate for receptacle	<b>RW51470</b>	<b>7420B</b>	<b>7774CR</b>
Weather protective plate for inlet	—	—	<b>7780</b>

### Product Dimensions Inches (mm)

TPD Box	
A	12.52" (317.9)
B	10.23" (259.8)
C	14.50" (368.3)
D	21.50" (546.1)



# Ground Fault Devices

## Technical Specifications



### Portable GFCI

#### Certification

Meets UL943 Class A, UL Listed, CSA Certified  
Meets all NEC® and CEC requirements

#### Materials

Components	Portable GFCI Line Cords	Portable Plug-In GFCI
Housing	High-impact, UV stabilized PVC, UL 94V-0 flammability classification, Meets UL and CSA watertight requirements, adhesive bonded	High-impact ABS
Input	NEMA 5-15P	NEMA 5-15P
Output	—	Three NEMA 5-15R
Power "ON" indication	LED indicator light	—
Cord type	#14 AWG SJTW-A (UL), SJTW (CSA)	—
Fault indication	—	Indicator light
Visual fault indication light on	LED Indicates fault	—
Center screw	—	For optional permanent mounting

#### Performance

Electrical	
Trip level	4 – 6 mA
Trip time	.025 sec nominal
Frequency	60Hz
Voltage	120V AC +10% - 15%, incorporates no voltage release feature
Amperage	15A
Maximum interrupting capacity	2,000 Amps
Terminal accommodations	#14 - #10 AWG stranded or solid copper conductors only
Environmental	
Maximum humidity	95%
Operating temperatures	-35° C to +66° C (-30° F to +150° F)



### Temporary Power Distribution Box

#### Certification

Boxes	Cable
UL 1640, UL 943 NEC®, ANSI/NFPA 70	Connectors: UL/CSA, Cable: MSHA

#### Performance

Environmental	Indoor and outdoor wet and dry locations
Box Enclosure type	3R, rainproof, suitable for use in damp locations

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Section D

## Surge and Isolated Ground Devices

Table of Contents	Page
<b>Surge Suppression Receptacles</b>	
Hospital and Specification Grade Receptacles . . . . .	D-2
QUADPLEX® Receptacles . . . . .	D-3
Cord Sets and Electrical Specifications . . . . .	D-3
<b>Portable Surge Protection Devices</b>	
Healthcare Outlet Assemblies (HCOA) . . . . .	D-4
Portable Surge Protection Devices (SPD) . . . . .	D-5
<b>Isolated Ground Receptacles</b>	
Straight Blade 15, 20, 30 and 50 Amp Receptacles . . . . .	D-6
Locking 15, 20 and 30 Amp Receptacles . . . . .	D-7
<b>Technical Specifications</b>	
Surge Suppression Receptacles . . . . .	D-8
Portable Surge Protection Devices (SPD) . . . . .	D-8



# Surge and Isolated Ground Devices



## Surge Suppression Receptacles



- Damage-alert alarm sounds when surge protection is no longer functioning, muting screw allows damage-alert alarm to be silenced until device is replaced
- Power-on indicator light verifies that suppression circuit is fully functional, light off means power has been interrupted, flashing light indicates surge protection circuitry has been damaged
- Automatic grounding clip
- High-impact nylon face resists breakage
- Distinctive surge symbol provides quick visual identification of surge suppression receptacle

## Hospital Grade ● and Specification Grade, Standard and Isolated Ground Surge Suppression Receptacles

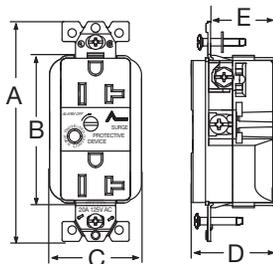


Face		Surge Suppression Receptacles with Light and Alarm, 240 Joules/15,000 Amps per Mode			
		Hospital Grade		Nylon Face	
Rating	Color	Standard	with Isolated Ground	Standard	with Isolated Ground
NEMA 5-15, 15A 125V 	Blue	SP82A	SP82IGA	SP52A	SP52IGA
	Gray	SP82GYA	SP82IGGYA	SP52GYA	SP52IGGYA
	Ivory	SP82IA	SP82IGIA	SP52IA	SP52IGIA
	Orange	—	SP82IGOA	—	SP52IGOA
	Red	—	SP82IGRA	—	—
White	SP82WA	SP82IGWA	SP52WA	SP52IGWA	
NEMA 5-20, 20A 125V 	Blue	SP83A	SP83IGA	SP53A	SP53IGA
	Gray	SP83GYA	SP83IGGYA	SP53GYA	SP53IGGYA
	Ivory	SP83IA	SP83IGIA	SP53IA	SP53IGIA
	Orange	—	SP83IGOA	—	SP53IGOA
	Red	—	SP83IGRA	—	—
White	SP83WA	SP83IGWA	SP53WA	SP53IGWA	

## Product Dimensions Inches (mm)

Receptacle	
A	4.04" (102.6)
B	2.80" (71.1)
C	1.72" (43.7)
D	1.60" (40.6)
E	1.24" (31.5)

Note: See page A-5 for dimensions on adapter plates and portable boxes.



Lexan® is a registered trademark of Sabic Innovative Plastics.

# Surge and Isolated Ground Devices

## QUADPLEX® Receptacles



- Damage-alert alarm sounds when surge protection is no longer functioning, muting screw allows damage-alert alarm to be silenced until device is replaced
- Power-on indicator light verifies that suppression circuit is fully functional, light off means power has been interrupted, flashing light indicates surge protection circuitry has been damaged
- Automatic grounding clip
- High-impact nylon face resists breakage
- Distinctive surge symbol provides quick visual identification of surge suppression receptacle

## QUADPLEX® Receptacles



QUADPLEX® Surge Suppression Receptacles with Light  
80 Joules/6,500 Amps per Mode

Lexan®			
Hospital Grade		Specification Grade	
Color	Surge Suppression	Surge Suppression	with Isolated Ground and Wire Leads
Blue	<b>1254HSA</b>	<b>1254SA</b>	—
Ivory	<b>1254HSIA</b>	<b>1254SIA</b>	—
Blue	<b>21254HSA</b>	<b>21254SA</b>	<b>21254SLA</b>
Ivory	<b>21254HSIA</b>	<b>21254SIA</b>	<b>21254SILA</b>

Note: See page A-5 for additional information on QUADPLEX® receptacles.

## Adapter Plates and Portable Boxes Inches (mm)



	Adapter Plates	Portable Boxes
Color	For 1- and 2-Gang Device Boxes	4" (101.6) Square with Two Cord Grips
Blue	<b>ADAPBLU</b>	<b>4SQBXBLU*</b>
Ivory	<b>ADAPI</b>	<b>4SQBXI*</b>

Note: \*Portable boxes not UL Listed or CSA Certified. For indoor use only.

## Cord Sets



6 Foot Cord Sets, 12/3 SJO		
Rating	Color	Surge Suppression
NEMA 5-15, 15A 125V	Ivory	<b>T1254SI6A</b>



## Electrical Specifications

Catalog Number T1254SI6A — Surge Suppression

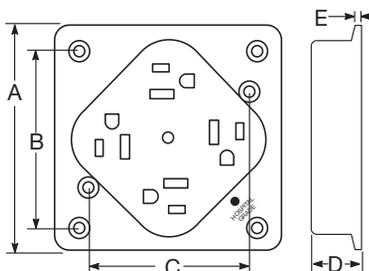
- Transient suppression capacity peak energy 80 joules for a 10 X 1000  $\mu$ S\* pulse
- Common and normal mode protection, common mode transients: hot to ground and neutral to ground, normal mode transients: hot to neutral
- Maximum clamping voltage test current 100 amperes peak (8X20 $\mu$ S\*), 360 volts
- Varistor peak clamping voltage 212 volts minimum, 243 volts maximum @ 1 milliamperes DC
- Varistor continuous RMS voltage rating: 150 volts
- Capacitance @ 1 kHz, 2000 pf  $\pm$  30%
- Response time: approximately 5ns (nanoseconds)
- Suppressed voltage 530V (3000 amp) nominal 436V (750 amp) 412V (500 amp) 400V (125 amp) 212V (1 mA)
- Current 20 ampere max branch circuit
- Receptacle rating 15 and 20 ampere 125V
- Input voltage 125V AC, 60 Hz

Note: \* $\mu$ S (microseconds).

## Product Dimensions Inches (mm)

	QUADPLEX®
A	4.30" (109.2)
B	3.38" (85.9)
C	3.02" (76.7)
D	0.92" (23.4)
E	0.10" (2.6)

Note: See page A-5 for dimensions on adapter plates and portable boxes.



Lexan® is a registered trademark of Sabic Innovative Plastics.

# Surge and Isolated Ground Devices Healthcare Outlet Assemblies (HCOA)

UL2930 Listed



- 15A and 20A 125V Versions
- 6 ft. or 15 ft. Cord Length
- Surge Protected Models in all Configurations
- #12/3 AWG Cord

## Surge Protection Plug Strips



		UL2930 Health Care Outlet Assembly (HCOA)	
Number of Outlets		Six	
Joule Rating		1100	
Peak AMP Rating		30 kA	
Down Line Warranty		\$2,500	
Length		6 Foot	15 Foot
UL 2930 HCOA with L-N Surge Protection, White	15A	<b>BRY6MG6</b>	<b>BRY6MG15</b>
	20A	<b>BRY6MG620</b>	<b>BRY6MG1520</b>
UL 2930 HCOA Relocatable Power Tap (RPT), White	15A	<b>BRY6MGRPT6</b>	<b>BRY6MGRPT15</b>
	20A	<b>BRY6MGRPT620</b>	<b>BRY6MGRPT1520</b>

## UL2930 Healthcare Outlet Assembly (HCOA)

	BRY6MG Series		BRY6MGRPT Series	
<b>Electrical Specifications</b>				
Current	15A	20A	15A	20A
Voltage	125V	125V	125V	125V
Frequency	60Hz	60Hz	60Hz	60Hz
Surge Component	MOV	MOV	N/A	N/A

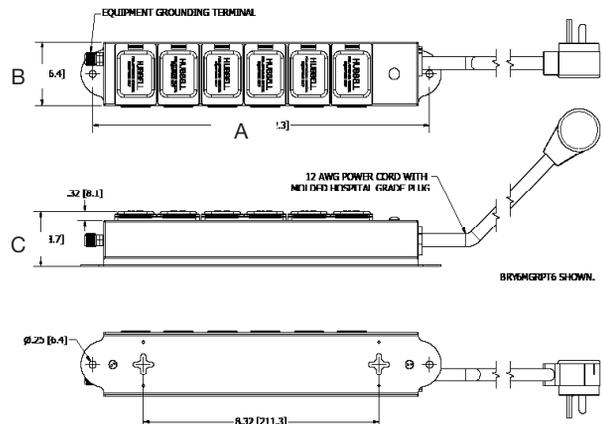
<b>Performance</b>				
UL VPR	L-N	600V		
	L-G, N-G	N/A		
EMI Noise Filtration:		-11 dB to -68 dB (10kHz to 100MHz)		
In (Nominal Discharge Current)		3kA	N/A	
MCOV		150V		
Peak Current Rating L-N		30KA		
Leakage Current:		<.1mA		
Total Joules (L-N)		550J		

<b>Environmental Specifications</b>	
Operating Temperature	-40°F to 160°F (-40°C to 70°C)

**Certifications** UL 2930; UL File # E488399; RoHs Compliant; NFPA 99 2012 ed; ANSI / IEEE Category A (HBL6MG Series Only)

## Product Dimensions Inches (mm)

	UL 2930 HCOA	
	with Surge Protection	with Relocatable Power Tap
A	11.90" (302.5)	15.20" (386.1)
B	2.22" (56.4)	2.22" (56.4)
C	1.92" (48.7)	1.92" (48.7)



# Surge and Isolated Ground Devices

## Portable Surge Protection Devices (SPD)



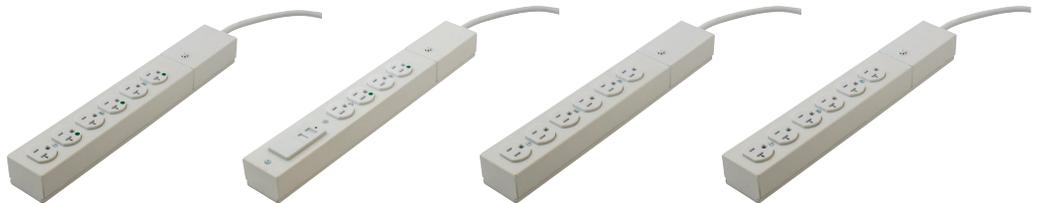
- Metallic and non-metallic units
- Six, seven and eight outlet units
- No surge, 350 joule, 1050 joule and 2100 joule protection units
- Transformer spaced outlets available on some units
- 15A resettable ON/OFF circuit breaker switch and power and ground indicating LEDs
- Available with fax/modem, cable TV and satellite protection on some units



- Hospital Grade ● Tamper-Resistant Receptacles with a Hospital Grade Plug
- Heavy Duty Metal Housing
- Available with a 2-Port USB Charging Outlet
- Tamper-Resistant Receptacles with a Heavy Duty Plug
- Heavy Duty Metal Housing

**UL US**  
Listed to UL1449  
and UL1363

## Surge Protection Plug Strips



		SPD with Hospital Grade ● Tamper-Resistant Receptacles		SPD with Industrial Grade Tamper-Resistant Receptacles	
Number of Outlets		Six		Six	
Joule Rating				1100	
Peak AMP Rating				30 kA	
Down Line Warranty		\$2,500		\$10,000	\$25,000
Length		6 Foot	15 Foot	6 Foot	15 Foot
UL Type 3 SPD, Heavy Duty Metal Housing, White	15A	<b>BRY6HG6</b>	<b>BRY6HG15</b>	<b>BRY6SS6</b>	<b>BRY6SS15</b>
	20A	<b>BRY6HG620</b>	<b>BRY6HG1520</b>	<b>BRY6SS620</b>	<b>BRY6SS1520</b>
UL Type 3 SPD, Heavy Duty Metal Housing with 2-Port USB, White	15A	<b>BRY6HGUSB6</b>	—	—	—

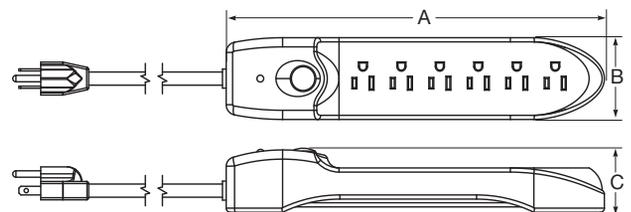


	SPD		SPD with Fax/Modem	SPD with Fax/Modem/CATV/Satellite	Power Strip (No surge protection)
Number of Outlets	Six		Seven	Eight	Six
Joule Rating	350 (Non-Metallic) 1050 (Metallic)		1050	2100	N/A
Peak AMP Rating	6.5 kA (Non-Metallic) 19.5 kA (Metallic)		19.5 kA	39 kA	N/A
Down Line Warranty	\$2,500		\$10,000	\$25,000	N/A
Length	6 Foot	15 Foot	6 Foot	6 Foot	6 Foot
Non-Metallic, Office White	<b>BRY6PS350</b>	<b>BRY6PS35015</b>	<b>BRY7PS1050M</b>	<b>BRY8PS2100D</b>	<b>BRY6PPS</b>
Metallic, Office White	<b>BRY6MPS1050</b>	—	—	—	<b>BRY6MPS</b>

Note: See page D-8 for technical information on plug strips.

## Product Dimensions Inches (mm)

	Non-Metallic Strips			Metallic Strips
	SPD and Power Strip	SPD with Fax Modem	SPD with Fax/Modem CATV/Satellite	SPD and Power Strip
A	11.2" (284.5)	14.75" (374.7)	10.4" (264.2)	12.25" (311.2)
B	2.36" (59.9)	2.36" (59.9)	3.8" (96.5)	2.5" (63.5)
C	1.85" (47.0)	1.85" (47.0)	1.44" (36.6)	1.5" (38.1)



# Surge and Isolated Ground Devices

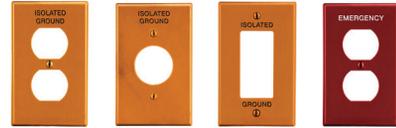


## Isolated Ground Straight Blade Receptacles



- Limits electrical noise on the equipment grounding circuit by providing two grounding paths for the installation
- Nylon deep face design
- Triple-wipe brass line contacts
- Ground contacts and ground termination
- Nickel and brass plated wrap-around steel yoke

### Pre-Marked Wallplates

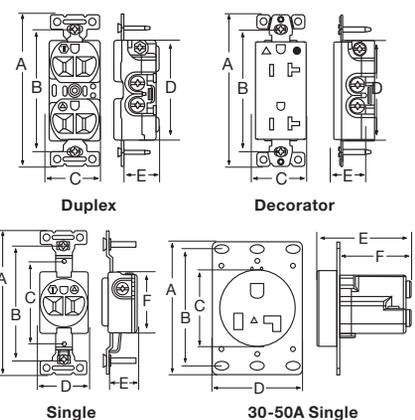


Opening	Color	"Isolated Ground"	"Emergency"
Duplex	Orange	<b>P80IG</b>	—
Duplex	Red	—	<b>PJ8RMEV</b>
Single receptacle	Orange	<b>P70IG</b>	—
Decorator type	Orange	<b>P260IG</b>	—
Locking 1.60" (40.6) ID	Orange	<b>P720IG</b>	—

## Extra Heavy Duty Industrial, Hospital Grade and Specification Grade Receptacles



		Extra Heavy Duty					Specification Grade		
Face		Nylon Face					Nylon	Lexan®	
Wiring		Back and Side					Back and Side	Terminal Screws	Wire Leads
Style		Duplex		Decorator	Single		Duplex	QUADPLEX®	
Rating	Color	Hospital Grade	Industrial Grade	Hospital Grade	Hospital Grade	Industrial Grade	Commercial Grade		
NEMA 5-15, 15A 125V	Gray Ivory Orange Red White	— — <b>BRY8200IG</b> — —	<b>BRY5262IGGRY</b> <b>BRY5262IGI</b> <b>BRY5262IG</b> — <b>BRY5262IGW</b>	<b>9200IGGRY</b> <b>9200IGI</b> <b>9200IG</b> <b>9200IGRED</b> <b>9200IGW</b>	— — <b>8210IG</b> — —	<b>5261IGGRY</b> <b>5261IGI</b> <b>5261IG</b> — <b>5261IGW</b>	<b>CR15IGRY</b> <b>CR15IGI</b> <b>CR15IG</b> — <b>CR15IGW</b>	— — <b>1254IGO</b> — —	— — — — —
NEMA 5-20, 20A 125V	Gray Ivory Lt. Almond Orange Red White	— — <b>BRY8300IG</b> — —	<b>BRY5362IGGRY</b> <b>BRY5362IGI</b> — <b>BRY5362IG</b> — <b>BRY5362IGW</b>	<b>9300IGGRY</b> <b>9300IGI</b> — <b>9300IG</b> <b>9300IGRED</b> <b>9300IGW</b>	— — <b>8310IG</b> — —	<b>5361IGGRY</b> <b>5361IGI</b> — <b>5361IG</b> — <b>5361IGW</b>	<b>CR20IGRY</b> <b>CR20IGI</b> <b>CR20IGLA</b> <b>CR20IG</b> — <b>CR20IGW</b>	— — <b>21254IGO</b> — —	— — <b>21254IGOL</b> — —
NEMA 6-15, 15A 250V	Orange	—	<b>BRY5662IG</b>	—	—	—	—	—	—
NEMA 6-20, 20A 250V	Orange	—	<b>BRY5462IG</b>	—	—	<b>8410IG</b>	—	—	—



## 30 and 50 Amp Straight Blade Receptacles

Rating	Color	RTP Nylon Face, 2-Pole 3-Wire		
NEMA 5-30, 30A 125V	Orange	<b>9530IG</b>	NEMA 6-30, 30A 250V	<b>9630IG</b>
NEMA 5-50, 50A 125V	Orange	<b>9550IG</b>	NEMA 6-50, 50A 250V	<b>9650IG</b>



### Product Dimensions Inches (mm)

	Duplex	Decorator	Single 15/20A	30-50A
A	4.06" (103.1)	3.81" (96.8)	4.06" (103.1)	3.68" (93.5)
B	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)	2.37" (60.3)
C	1.38" (35.1)	1.38" (35.1)	2.38" (60.5)	2.12" (54.0)
D	2.68" (68.1)	2.69" (68.3)	1.38" (35.1)	2.25" (57.2)
E	0.92" (23.4)	0.93" (23.6)	1.78" (45.2)	2.35" (59.9)
F	—	—	0.91" (23.1)	1.79" (45.6)

Lexan® is a registered trademark of Sabic Innovative Plastics.

# Surge and Isolated Ground Devices

## Isolated Ground Locking Receptacles



- Limits electrical noise on the equipment grounding circuit by providing two grounding paths for the installation
- Nylon deep face design
- Triple-wipe brass line contacts
- Ground contacts and ground termination
- Nickel and brass plated wrap-around steel yoke

### Pre-Marked Wallplates



Opening	Color	"Isolated Ground"	"Emergency"
Duplex	Orange	<b>P80IG</b>	—
Duplex	Red	—	<b>PJ8RMEV</b>
Single receptacle	Orange	<b>P70IG</b>	—
Decorator type	Orange	<b>P260IG</b>	—
Locking 1.60" (40.6) ID	Orange	<b>P720OIG</b>	—

## Extra Heavy Duty Industrial Grade Receptacles



Amp	15A	
Face	RTP Nylon Face, Orange	
Wiring	Back and Side Wired	
Style	Duplex	Single
NEMA L5-15, 15A 125V, 2-Pole 3-Wire	<b>4700DRIG</b>	<b>4710IG</b>
NEMA L6-15, 15A 250V, 2-Pole 3-Wire	<b>70615DRIG</b>	<b>70615IG</b>

Amp	20A	
Face	RTP Nylon Face, Orange	
Wiring	Back and Side Wired	
Style	Single	
NEMA L5-20, 15A 125V, 2-Pole 3-Wire	<b>70520IG</b>	
NEMA L6-20, 20A 250V, 2-Pole 3-Wire	<b>70620IG</b>	

Amp	30A	
Face	RTP Nylon Face, Orange	
Wiring	Back and Side Wired	
Style	Single	
NEMA L5-30, 30A 125V, 2-Pole 3-Wire	<b>70530IG</b>	
NEMA L6-30, 30A 250V, 2-Pole 3-Wire	<b>70630IG</b>	

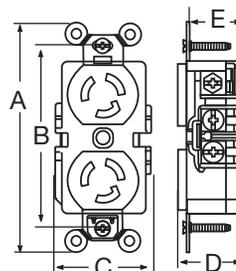
Note: \*Reinforced Thermoplastic Polyester.  
\*\*See page G-7 for dimensions on 4710 and 70615 series receptacles.

NEMA L14-20, 20A 125/250V, 3-Pole 4-Wire	<b>71420IG</b>
NEMA L21-20, 20A 120/208V 3ØY, 4-Pole 5-Wire	<b>72120IG</b>

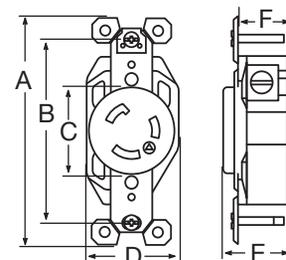
NEMA L14-30, 30A 125/250V, 3-Pole 4-Wire	<b>71430IG</b>
NEMA L21-30, 30A 120/208V 3ØY, 4-Pole 5-Wire	<b>72130IG</b>

## Product Dimensions Inches (mm)

	15A Duplex	15A Single	20A Single	30A Single
A	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)
B	2.74" (69.5)	2.38" (60.5)	2.38" (60.5)	2.38" (60.5)
C	1.70" (43.2)	1.38" (35.1)	1.56" (39.6)	1.56" (39.6)
D	1.17" (29.7)	1.41" (35.8)	1.70" (43.2)	1.70" (43.2)
E	0.93" (23.6)	1.01" (25.7)	1.24" (31.5)	1.30" (33.0)
F	—	0.82" (19.3)	0.98" (24.9)	1.04" (26.4)



Duplex



Single

# Surge and Isolated Ground Devices

## Technical Specifications - Surge Receptacles

### Surge Receptacles

Description	
Typical specification – catalog number	SP52IGA
Manufacturer's identification	Bryant SP52IG Series

Description	Industrial grade isolated ground surge suppression duplex receptacle
Type	2-pole, 3-wire, grounding
Rating	15A 125V, NEMA 5-15R

### Certification

UL Listed, UL Standards 1449 surge protective devices and 498 receptacles  
 Certified to CSA, C22.2, No. 42

ANSI/IEEE C62.41 (IEEE 587) categories "A" and "B"  
 NEMA WD-6  
 Meets UL and CSA varistor thermal protection requirements

### Materials Inches (mm)

Components	Materials
Cover and base	Nylon
Line contacts	High performance brass alloy
Mounting yoke	0.05 inch (1.3mm)
Terminal screws	Brass #8-32
Clamp nut	Brass - 0.03" (.8mm)
Grounding screw	Brass (green) #8-32
Ground contacts	High performance
Auto grounding assembly	Stainless steel
Flat head mounting screws	ZnD-plated steel

### Performance

Electrical	
UL voltage protection level	600V
Operating voltage	125V AC
Frequency	60 Hz
Protection modes	Normal mode (L-N), common mode (L-G) (N-G)
Noise filtration	RFI and EMI 100KHz, 4MHz-10DB to -20DB
Response time	Less than 5 nanoseconds (ns)
Peak energy 10X 1000µs	240 joules
Peak current 8X 20µs	15,000 Amps
Mechanical	
Terminal identification	Terminals identified in accordance with UL 498 (brass, white, green)
Terminal accommodation	#14-10 AWG copper conductor only, solid or stranded
Product identification	Ratings are a permanent part of the device
Environmental	
Flammability	Cover and base: UL 94 V2
Operating temperatures	Maximum continuous 20°C to 55°C



## Technical Specifications - Portable Surge Protection Devices

### SPD - Healthcare and Industrial Series

BRY6SS/BRY6HG Series	15 Amp	20 Amp
Electrical Specifications		
Current	15A	20A
Voltage	125V	125V
Frequency	60Hz	60Hz
Surge Component	MOV	MOV
Over Current Protection	15A CB	20A CB
2-Port USB (BRY6HGUSB6)	5V DC Type A	N/A
UL VPR	L-N 500V	L-G 600V
		N-G 600V
MCOV		150V
Peak Current Rating L-N		30KA
Leakage Current:		<5mA
EMI / RFI Noise Rejection	-11 dB to -68 dB (10kHz to 100MHZ)	
Total Joules (all modes)	1100j	
Certifications		
cULus Listed to UL1449 4th Edition; UL File # E143272; RoHs Compliant; NFPA 99 2012 ed; ANSI / IEEE Category A; cULus Listed to UL1310 (2-Port USB)		
Environmental Specifications		
Operating Temperature	-40°F to 160°F (-40°C to 70°C)	

### SPD - Commercial and Residential Series

	BRYPS350 Series	BRYPS1050 Series	BRYPS2100 Series	BRYMPS1050 Series
Operating Specifications				
MCOV	130V			
Max Surge Current	6.5kA	19.5kA	39.0kA	19.5kA
Frequency	50/60Hz			
Operating Temperature	-40°F to 160°F (-40°C to 70°C)			
Physical Specifications				
Housing Type	ABS			Metal
Color	Office White			
Performance				
UL VPR	400V			
EMI/RFI Noise Rejection	-	-20dB	-	
Warranty				
Downline Warranty	\$2,500	\$10,000	\$25,000	\$2,500
Certification	UL 1449 3rd Edition			

# Section E

## Switches

Table of Contents	Page
<b>Industrial Grade Switches</b>	
Extra Heavy Duty Standard, Illuminated and Pilot Toggle Switches . . . . .	E-2
Extra Heavy Duty Locking Switches . . . . .	E-3
Maintained and Momentary Contact Switches . . . . .	E-3
Push Button Switches and Weatherproof Cover . . . . .	E-4
<b>Specification Grade Switches</b>	
Heavy Duty Toggle Switches . . . . .	E-4
<b>Commercial Grade Switches</b>	
Toggle and Decorator Rocker Switches . . . . .	E-5
<b>Residential Grade Switches</b>	
Standard, Illuminated and Pilot Toggle and Decorator Rocker Switches . . . . .	E-6
Combination Switches in Toggle and Decorator Rocker Series . . . . .	E-7
USB Switch Combo Outlet . . . . .	E-7
Combination Pilot Light in Toggle and Decorator Rocker Series . . . . .	E-8
<b>Accessories</b>	
Pilot Lights and Accessories . . . . .	E-8
Door Switches . . . . .	E-9
In-Line Cord Switches . . . . .	E-9
<b>Technical Specifications</b> . . . . .	E-10
<b>Wiring Diagrams</b> . . . . .	E-11
<b>Motor Controllers and Disconnects (See Section G for Product Details)</b>	
Quick Reference Guide . . . . .	E-12



# Switches



## Extra Heavy Duty Industrial Specification Grade Toggle Switches



- High-impact and chemical resistant nylon toggle
- Corrosion-resistant brass and nickel-plated yoke
- Dual-grounding options, grounding terminal or stainless steel self-grounding clip
- Back wiring, each clamp-type terminal accepts two wires, avoiding the need to pigtail

### Extra Heavy Duty Industrial Specification Grade Toggle Switches, Back and Side Wired

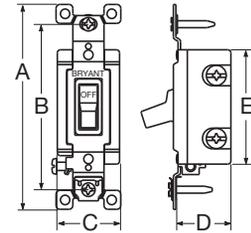


### Product Dimensions

Inches (mm)

A	4.06" (103.1)
B	3.28" (83.3)
C	1.30" (33.0)
D	1.11" (28.2)
E	2.27" (57.7)

Amp	Color	Single Pole	Double Pole	3-Way	4-Way
15A 120-277V AC	Black	<b>4801BLK</b>	<b>4802BLK</b>	<b>4803BLK</b>	<b>4804BLK</b>
	Brown	<b>4801</b>	<b>4802</b>	<b>4803</b>	<b>4804</b>
	Gray	<b>4801GRY</b>	<b>4802GRY</b>	<b>4803GRY</b>	<b>4804GRY</b>
	Ivory	<b>4801I</b>	<b>4802I</b>	<b>4803I</b>	<b>4804I</b>
	Red	<b>4801RED</b>	<b>4802RED</b>	<b>4803RED</b>	<b>4804RED</b>
	White	<b>4801W</b>	<b>4802W</b>	<b>4803W</b>	<b>4804W</b>
20A 120-277V AC	Black	<b>4901BLK</b>	<b>4902BLK</b>	<b>4903BLK</b>	<b>4904BLK</b>
	Brown	<b>4901</b>	<b>4902</b>	<b>4903</b>	<b>4904</b>
	Gray	<b>4901GRY</b>	<b>4902GRY</b>	<b>4903GRY</b>	<b>4904GRY</b>
	Ivory	<b>4901I</b>	<b>4902I</b>	<b>4903I</b>	<b>4904I</b>
	Red	<b>4901RED</b>	<b>4902RED</b>	<b>4903RED</b>	<b>4904RED</b>
	White	<b>4901W</b>	<b>4902W</b>	<b>4903W</b>	<b>4904W</b>
30A 120-277V AC	Black	—	—	—	—
	Brown	<b>3001</b>	<b>3002BRN</b>	<b>3003BRN</b>	—
	Gray	—	<b>3002GRY</b>	<b>3003GRY</b>	—
	Ivory	<b>3001I</b>	<b>3002I</b>	<b>3003I</b>	—
	Red	—	—	—	—
	White	—	—	—	—



### Illuminated and Pilot Toggle Switches, Back and Side Wired



Illuminated Toggle Switch Illuminates when Switch is OFF				Pilot Toggle Switch Illuminates when Switch is ON				
Amp	Color	Single Pole	3-Way	Amp	Color	Single Pole	Double Pole	3-Way
15A 120-277V AC	Ivory	<b>4801GLI</b>	<b>4803GLI</b>	20A 120V AC	Clear	<b>4901PLC120</b>	—	<b>4903PLC120</b>
					Green	—	—	
					Red	<b>4901PLR120</b>	<b>4902PLR120</b>	<b>4903PLR120</b>
20A 120-277V AC	Clear Ivory	<b>4901GLC</b>	<b>4903GLC</b>	20A 277V AC	Clear	<b>4901PLC277</b>	—	—
		<b>4901GLI</b>	<b>4903GLI</b>		Red	<b>4901PLR277</b>	<b>4902PLR277</b>	<b>4903PLR277</b>
				30A 120V AC	Red	<b>3001PLR120</b>	<b>3002PLR120</b>	—
					Red	—	<b>3002PLR277</b>	—

### Horsepower Ratings

Rating	15A	20A	30A
120V	1/2 HP	1 HP	2 HP
240V	2 HP	2 HP	2 HP
277 VAC	2 HP	2 HP	2 HP

# Switches

## Extra Heavy Duty Industrial Specification Grade Locking Switches



- Tapered head steel lock construction resists impact
- Six point tumbler cylinder provides superior protection
- Barrel locking key for maximum security
- Locks keyed alike for planned security use by authorized personnel

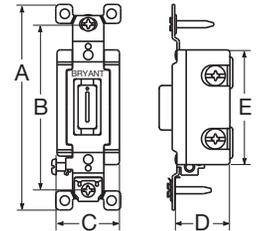
### Extra Heavy Duty Industrial Specification Grade Locking Switches, Back and Side Wired



Description	Amp	Single Pole	Double Pole	3-Way	4-Way	Replacement Key	Catalog Number
Locking switch, straight key included	15A 120-277V AC	<b>4801L</b>	<b>4802L</b>	<b>4803L</b>	<b>4804L</b>	Straight-key, one key provided with each straight locking switch	<b>6006</b>
	20A 120-277V AC	<b>4901L</b>	<b>4902L</b>	<b>4903L</b>	<b>4904L</b>		
Barrel locking switch, barrel key included	20A 120-277V AC	<b>4901RKL</b>	<b>4902RKL</b>	<b>4903RKL</b>	<b>4904RKL</b>	Barrel-key, two keys provided with each barrel-key locking switch	<b>6006RKL</b>

### Product Dimensions

	Locking	Barrel Lock
A	4.06" (103.1)	4.06" (103.1)
B	3.28" (83.3)	3.28" (83.3)
C	1.31" (33.3)	1.25" (31.8)
D	1.13" (28.6)	1.66" (42.2)
E	2.28" (57.9)	2.28" (57.9)



## Industrial Grade, Maintained and Momentary Contact Switches

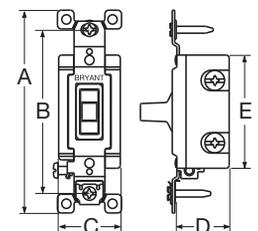
### Three-Position Two-Circuit Maintained and Momentary Contact Switches, "Center OFF"



Amp	Color	Maintained Contact				Momentary Contact	
		Single Pole, Double-Throw		Double Pole, Double-Throw		Single Pole, Three-Position	
		Nylon Toggle	Locking	Nylon Toggle	Locking	Nylon Toggle	Locking
15A 120-277V AC	Black	—	<b>4822L</b>	—	—	—	<b>4821L</b>
	Brown	<b>4822</b>	—	<b>4825</b>	—	<b>4821</b>	—
	Gray	—	—	—	—	<b>4821GRY</b>	—
	Ivory	<b>4822I</b>	—	<b>4825I</b>	—	<b>4821I</b>	—
	White	—	—	—	—	—	—
20A 120-277V AC	Black	—	—	—	<b>4925L</b>	—	<b>4921L</b>
	Brown	<b>4922</b>	—	<b>4925</b>	—	<b>4921</b>	—
	Gray	<b>4922GRY</b>	—	—	—	<b>4921GRY</b>	—
	Ivory	<b>4922I</b>	—	<b>4925I</b>	—	<b>4921I</b>	—
	White	<b>4922W</b>	—	<b>4925W</b>	—	—	—
30A 120-277V AC	Brown	—	—	<b>3025BRN</b>	—	<i>Note: See above for replacement key 6006 information.</i>	
	Ivory	—	—	<b>3025I</b>	—		

### Product Dimensions

	Inches (mm)
A	4.06" (103.1)
B	3.28" (83.3)
C	1.30" (33.0)
D	1.11" (28.2)
E	2.27" (57.7)



# Switches



## Push Button Switches

### Push Button Switches



Description	Color	Push Button Switch			
		Single Pole	Double Pole	3-Way	4-Way
Standard, 20A 120-277V AC	Brown	<b>4981</b>	<b>4982</b>	<b>4983*</b>	<b>4984*</b>
Pilot light, pilot illuminates when switch is ON, 20A 120V AC	Red	<b>4997PLR</b>	—	<b>4998PLR*</b>	—

Note: \*Pilot Light is not UL Listed or CSA Certified.

### Weatherproof Cover

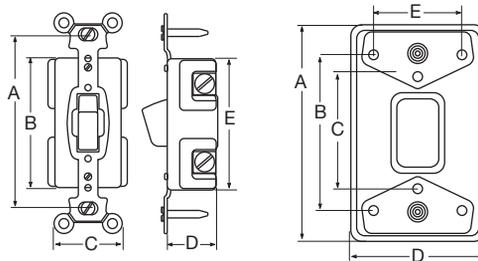


Description	Catalog Number
1-Gang, clear silicone rubber cover, fits both FS/FD and standard boxes	<b>1795WP</b>

Note: Weatherproof cover is not CSA Certified.

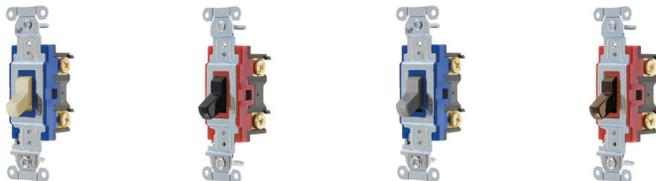
### Product Dimensions Inches (mm)

	Push Button Switch	Weatherproof Cover
A	3.28" (83.3)	4.63" (117.6)
B	2.38" (60.5)	3.25" (82.6)
C	1.50" (38.1)	2.38" (60.5)
D	0.97" (24.6)	2.94" (74.7)
E	2.44" (62.0)	1.88" (47.8)



## Heavy Duty Specification Grade Toggle Switches

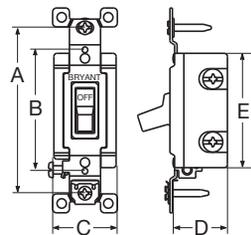
### Heavy Duty Specification Grade Self-Grounding Toggle Switches, Back and Side Wired



Amp	Color	Single Pole	Double Pole	3-Way	4-Way
15A 120-277V AC	Black	<b>4801BBLK</b>	—	<b>4803BBLK</b>	—
	Brown	<b>4801B</b>	—	<b>4803B</b>	—
	Gray	<b>4801BGRY</b>	—	<b>4803BGRY</b>	—
	Ivory	<b>4801BI</b>	—	<b>4803BI</b>	—
	Light Almond	<b>4801BLA</b>	—	<b>4803BLA</b>	—
	Red	<b>4801BRED</b>	—	<b>4803BRED</b>	—
	White	<b>4801BW</b>	—	—	<b>4803BW</b>
20A 120-277V AC	Black	<b>4901BBLK</b>	<b>4902BBLK</b>	<b>4903BBLK</b>	<b>4904BBLK</b>
	Brown	<b>4901B</b>	<b>4902B</b>	<b>4903B</b>	<b>4904B</b>
	Gray	<b>4901BGRY</b>	<b>4902BGRY</b>	<b>4903BGRY</b>	<b>4904BGRY</b>
	Ivory	<b>4901BI</b>	<b>4902BI</b>	<b>4903BI</b>	<b>4904BI</b>
	Light Almond	<b>4901BLA</b>	<b>4902BLA</b>	<b>4903BLA</b>	<b>4904BLA</b>
	Red	<b>4901BRED</b>	<b>4902BRED</b>	<b>4903BRED</b>	<b>4904BRED</b>
	White	<b>4901BW</b>	<b>4902BW</b>	<b>4903BW</b>	<b>4904BW</b>

### Product Dimensions Inches (mm)

A	3.28" (83.3)
B	2.33" (59.1)
C	1.25" (31.8)
D	1.13" (28.7)
E	2.28" (57.9)



# Switches



## Commercial Grade Toggle and Decorator Rocker Switches

### Commercial Grade Self-Grounding Toggle Switches



Amp	Wiring Color	Back and Side Wired				Side Wired Only	
		Single Pole	Double Pole	3-Way	4-Way	Single Pole	3-Way
15A 120-277V AC	Black	CSB115BBLK	CSB215BBLK	CSB315BBLK	CSB415BBLK	CS115BLK	CS315BLK
	Brown	CSB115B	CSB215B	CSB315B	CSB415B	CS115B	CS315B
	Gray	CSB115BGRY	CSB215BGRY	CSB315BGRY	CSB415BGRY	CS115BGRY	CS315BGRY
	Ivory	CSB115BI	CSB215BI	CSB315BI	CSB415BI	CS115BI	CS315BI
	Light Almond White	CSB115BLA CSB115BW	CSB215BLA CSB215BW	CSB315BLA CSB315BW	CSB415BLA CSB415BW	CS115BLA CS115BW	CS315BLA CS315BW
20A 120-277V AC	Black	CSB120BBLK	CSB220BBLK	CSB320BBLK	CSB420BBLK	CS120BLK	CS320BLK
	Brown	CSB120B	CSB220B	CSB320B	CSB420B	CS120B	CS320B
	Gray	CSB120BGRY	CSB220BGRY	CSB320BGRY	CSB420BGRY	CS120BGRY	CS320BGRY
	Ivory	CSB120BI	CSB220BI	CSB320BI	CSB420BI	CS120BI	CS320BI
	Light Almond	CSB120BLA	CSB220BLA	CSB320BLA	CSB420BLA	CS120BLA	CS320BLA
	Red	CSB120BRED	CSB220BRED	CSB320BRED	CSB420BRED	—	—
	White	CSB120BW	CSB220BW	CSB320BW	CSB420BW	CS120BW	CS320BW

### Commercial Grade Self-Grounding Decorator Rocker Switches, Back and Side Wired

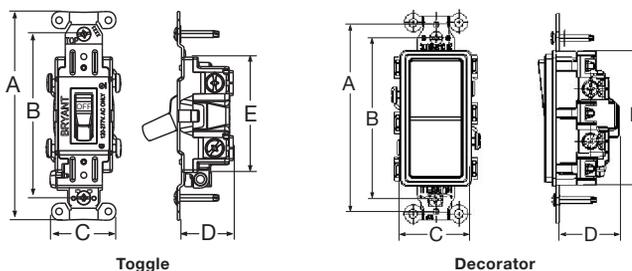


Amp	Color	Standard Decorator Rocker				Illuminated Rocker Illuminates when switch is OFF		Pilot Light Rocker Illuminates when switch is ON	Rocker with Nightlight
		Single Pole	Double Pole	3-Way	4-Way	Single Pole	3-Way	Single Pole	Single Pole
15A 120-277V AC	Black	—	—	—	—	—	—	—	—
	Brown	9801	—	9803	—	—	—	—	—
	Gray	9801GRY	—	9803GRY	—	—	—	—	—
	Ivory	9801I	—	9803I	—	—	—	—	—
	White	9801W	—	9803W	—	—	—	—	—
20A 120-277V AC	Black	9901BLK	9902BLK	9903BLK	9904BLK	—	—	—	—
	Brown	9901	—	9903	9904	—	—	—	—
	Gray	9901GRY	9902GRY	9903GRY	9904GRY	—	—	—	—
	Ivory	9901I	9902I	9903I	9904I	9901GLI*	9903GLI*	9901PLI120	9901NLI**
	Lt. Almond	—	—	—	—	—	—	—	9901NLLA**
	White	9901W	9902W	9903W	9904W	9901GLW*	9903GLW*	9901PLW120	9901NLW**

Note: \*Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.  
 \*\*Nightlight projects through the top portion of the rocker when switch is in the OFF position. Requires a neutral wire.

### Product Dimensions Inches (mm)

	Toggle	Decorator
A	4.18" (106.2)	3.81" (96.8)
B	3.28" (83.3)	3.28" (83.3)
C	1.30" (33.0)	1.48" (37.6)
D	1.08" (27.4)	1.13" (28.7)
E	2.31" (58.7)	2.78" (70.6)



## Residential Grade Toggle and Decorator Switches



- Elongated strap with continuous plaster ears positions device flush to the wall surface
- Tough thermoplastic ultrasonically welded cover and base
- High-visibility yellow base for easy installation in low light working conditions
- Quiet snap action mechanism
- UL Listed and CSA Certified

## Residential Grade Toggle and Decorator Rocker Switches, 15A 120V AC



Wiring	Toggle Switch					Decorator Switch			
	Push and Side Wired				Side Wire	Push, Back and Side Wired			
	Single Pole		3-Way		4-Way	Single Pole	Double Pole	3-Way	4-Way
Type	Grounding	Self-Grounding	Grounding	Self-Grounding	Self-Grounding	Self-Grounding	Self-Grounding	Self-Grounding	Self-Grounding
Black	<b>RS115BK</b>	—	<b>RS315BK</b>	—	—	<b>RSD115BK</b>	<b>RSD215BK</b>	<b>RSD315BK</b>	<b>RSD415BK</b>
Brown	<b>RS115</b>	<b>RS115S</b>	<b>RS315</b>	<b>RS315S</b>	<b>RS415</b>	<b>RSD115</b>	<b>RSD215</b>	<b>RSD315</b>	<b>RSD415</b>
Gray	—	—	—	—	—	<b>RSD115GY</b>	<b>RSD215GY</b>	<b>RSD315GY</b>	<b>RSD415GY</b>
Ivory	<b>RS115I</b>	<b>RS115SI</b>	<b>RS315I</b>	<b>RS315SI</b>	<b>RS415I</b>	<b>RSD115I</b>	<b>RSD215I</b>	<b>RSD315I</b>	<b>RSD415I</b>
Lt. Almond	<b>RS115LA</b>	<b>RS115SLA</b>	<b>RS315LA</b>	<b>RS315SLA</b>	<b>RS415LA</b>	<b>RSD115LA</b>	<b>RSD215LA</b>	<b>RSD315LA</b>	<b>RSD415LA</b>
White	<b>RS115W</b>	<b>RS115SW</b>	<b>RS315W</b>	<b>RS315SW</b>	<b>RS415W</b>	<b>RSD115W</b>	<b>RSD215W</b>	<b>RSD315W</b>	<b>RSD415W</b>

## Residential Grade Illuminated Toggle, Illuminated and Pilot Decorator Rocker Switches, 15A 120V AC

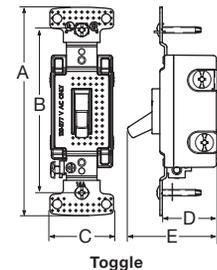


Wiring	Illuminated Toggle Switch, Frame is Clear and Illuminates, Toggle is Colored, Does Not Require a Neutral Wire		Illuminated Decorator, Illuminates when Switch is OFF, Does Not Require a Neutral Wire		Pilot Light Decorator, Illuminates when Switch is ON, Requires a Neutral Wire
	Push and Side Wired		Push, Back and Side Wired		Push, Back and Side Wired
	Self-Grounding		Self-Grounding		Self-Grounding
Color	Single Pole	3-Way	Single Pole	3-Way	Single Pole
Clear	<b>RS115ILC</b>	<b>RS315ILC</b>	—	—	—
Ivory	<b>RS115ILI</b>	<b>RS315ILI</b>	<b>RSD115ILI</b>	<b>RSD315ILI</b>	<b>RSD115PLI</b>
Lt. Almond	<b>RS115ILLA</b>	<b>RS315ILLA</b>	<b>RSD115ILLA</b>	<b>RSD315ILLA</b>	<b>RSD115PLLA</b>
White	<b>RS115ILW</b>	<b>RS315ILW</b>	<b>RSD115ILW</b>	<b>RSD315ILW</b>	<b>RSD115PLW</b>

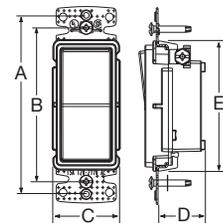
## Product Dimensions

Inches (mm)

	Toggle	Decorator
A	4.19" (106.5)	3.81" (96.8)
B	3.28" (83.3)	3.28" (83.3)
C	1.30" (33.0)	1.47" (37.3)
D	1.08" (27.4)	1.16" (29.6)
E	2.31" (58.7)	1.88" (47.7)



Toggle



Decorator

## Residential Grade Combination Devices



- Combination devices provide compact switches in a single gang opening
- Self-grounding tab is standard
- High-visibility yellow base for easy installation in low light working conditions
- Low profile, less than 1 inch allows for maximum wiring room in the box
- Elongated strap with continuous plaster ears positions device flush to the wall surface
- UL Listed and CSA Certified

### Residential Grade Combination Switches, Side Wired Only



Wiring	Toggle Switch			Decorator Switch			
	Side Wired Only			Side Wired Only			
Rating	15A 120V AC			15A 120-277V AC			
Color	(2) Single Pole	(1) Single Pole (1) 3-Way	(2) 3-Way	(3) Single Pole	(2) Single Pole	(1) Single Pole (1) 3-Way	(2) 3-Way
Black	—	—	—	—	RCD101BK	RCD103BK	RCD303BK
Brown	—	—	—	—	RCD101GY	RCD103GY	—
Gray	—	—	—	—	RCD101I	RCD103I	RCD303I
Ivory	RC101I RC101LA RC101W	RC103I RC103LA RC103W	RC303I RC303LA RC303W	RCD111I RCD111LA RCD111W	RCD101LA RCD101W	RCD103LA RCD103W	RCD303LA RCD303W

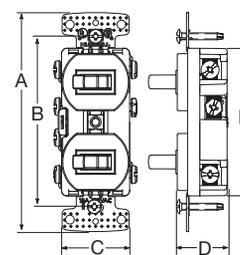
### Product Dimensions

Inches (mm)

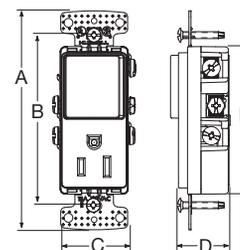
	Toggle	Decorator
A	4.20" (106.7)	4.20" (106.7)
B	3.27" (83.0)	3.27" (83.0)
C	1.32" (33.6)	1.32" (33.6)
D	0.97" (24.6)	0.97" (24.6)
E	2.82" (71.7)	2.82" (71.7)

#### USB Combo

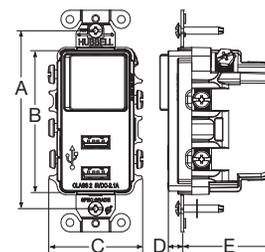
A	3.28" (83.3)
B	2.62" (66.5)
C	1.75" (44.5)
D	0.29" (7.4)
E	1.72" (43.7)



Toggle



Decorator



USB Combo

### Residential Grade Combination Switch with Receptacle, GFCI and USB



Rating	Toggle Switch with Receptacle		Decorator Switch with Receptacle		Switch with GFCI	USB Switch Combo Outlet	
	15A 120V AC/15A 125V		15A 120V AC/15A 125V		15A 120V AC/ 15A 125V	15A 120V AC/ 3A 5V DC	
Color	(1) Single Pole (1) Receptacle	(1) 3-Way (1) Receptacle	(1) Single Pole (1) Receptacle	(1) 3-Way (1) Receptacle	(1) Single Pole (1) GFCI	(1) Single Pole (2) USB Ports	
Standard	Black Brown Gray Ivory Lt. Almond White	— RC108 — RC108I RC108LA RC108W	— RC308 — RC308I — RC308W	RCD108BK — RCD108GY RCD108I RCD108LA RCD108W	RCD308BK — — RCD308I RCD308LA RCD308W	— — — — — —	USBB102BK USBB102 USBB102GY USBB102I USBB102LA USBB102W
Tamper-Resistant	Black Brown Gray Ivory Lt. Almond White	— RC108TR — RC108ITR RC108LATR RC108WTR	— RC308TR — RC308ITR — RC308WTR	RCD108BKTR — RCD108GYTR RCD108ITR RCD108LATR RCD108WTR	RCD308BKTR — — RCD308ITR RCD308LATR RCD308WTR	— — — GFPSPST15I GFPSPST15LA GFPSPST15W	— — — — — —

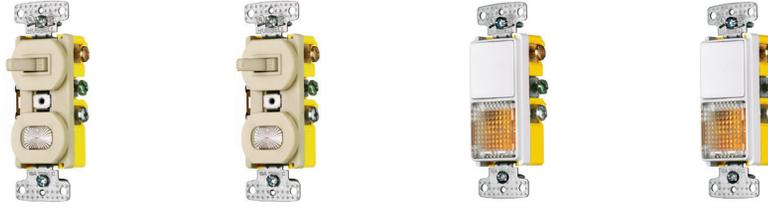
Note: See page R-6 for tamper-resistant description.

# Switches



## Residential Grade Combination Devices

### Residential Grade Combination Switch and Pilot Light

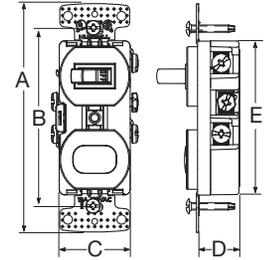


### Product Dimensions

Inches (mm)

A	4.20" (106.7)
B	3.27" (83.0)
C	1.32" (33.6)
D	0.97" (24.6)
E	2.82" (71.7)

Rating	Clear Lens, Amber Neon Bulb, Neutral Required for Pilot Light			
Device	15A 120V AC			
Device	Toggle Switch		Decorator Rocker	
Color	(1) Single Pole (1) Pilot Light	(1) 3-Way (1) Pilot Light	(1) Single Pole (1) Pilot Light	(1) 3-Way (1) Pilot Light
Brown	<b>RC109</b>	<b>RC309</b>	—	—
Ivory	<b>RC109I</b>	<b>RC309I</b>	<b>RCD109I</b>	<b>RCD309I</b>
Light Almond	<b>RC109LA</b>	—	<b>RCD109LA</b>	<b>RCD309LA</b>
White	<b>RC109W</b>	<b>RC309W</b>	<b>RCD109W</b>	<b>RCD309W</b>



## Accessories

### Neon Pilot Light



Description	Color	Neon Pilot Light
Plastic jewel, 1/25 watts, back and side wired	Opal	<b>480710</b>
	Red	<b>48071R</b>

### Toggle Switch Lockout



Description	Color	Toggle Switch Lockout
Thermoplastic	Red	<b>BSLD</b>

Note: Not UL Listed or CSA Certified.

### Accessories



Description	Color	Plastic Jewels
Rectangular for standard switch plate opening	Red	<b>746</b>
	Green	<b>746GREEN</b>

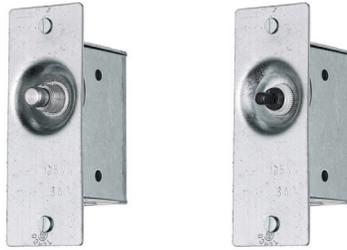
Note: Not UL Listed or CSA Certified.

# Switches



## Door Switch Accessories

### Compact Design Door Switches and Replacement Switches

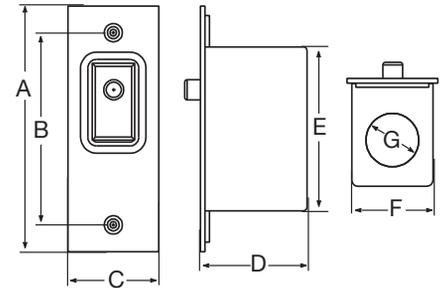


Description	ON When Door is Open	OFF When Door is Open
Door switch with cover plate and box, zinc plated steel, 3A 125V AC	<b>RDS50*</b>	<b>RDS30*</b>
Replacement switch only complete with #18 AWG wire leads and adjustable plunger, 6A 125V, 3A 250V	<b>1205BRY**</b>	<b>1206BRY**</b>

Note: \*Not UL Listed.  
\*\*Not UL Listed or CSA Certified.

### Product Dimensions Inches (mm)

A	4.00" (10.16)
B	3.13" (7.95)
C	1.50" (3.81)
D	1.76" (4.47)
E	2.67" (6.78)
F	1.34" (3.40)
G	1/8" 0.87" (2.21)



## In-Line Cord Switches

### In-Line Cord Switches



Mini In-Line Cord Switch		
Description	Color	Catalog Number
Mini in-line cord switch, #18 AWG, for use with flat lamp cord, SPT 1 and SPT 2, 6A 125V AC	White	<b>RS100W</b>



Heavy Duty In-Line Cord Switch		
Description	Color	Catalog Number
Heavy duty in-line cord switch, #18/2-#16/2, SPT 1 and SPT 2, 6A 125V AC, 1/6 HP	Ivory White	<b>RS101I</b> <b>RS101W</b>

# Switches

## Technical Specifications



### Switches

Description	Industrial Grade	Commercial Grade	Residential
Typical specification – catalog number	4801, 4901	9801, 9901	RSD115
Manufacturer's identification	Bryant 4801, 4901	Bryant 9801, 9901	RSD115
Description	Industrial grade AC switch, back and side wired	Commercial grade fashion series rocker switch	Residential decorator series rocker switch
Type	Single pole, single-throw, grounded	Single pole, double pole, 3-way and 4-way	
Rating	15A and 20A, 120-277V AC	15A and 20A, 125V-277V AC	

### Certification

UL Listed, Guide #WMUZ Verified under Fed. Spec. #WS 896 Complies with UL 20 and NEMA <sup>®</sup> Standard WE-1	Listed to UL Standard 20 CSA Certified
--	---

### Materials

Components	Materials	Materials
Cover	Thermoset	Polycarbonate
Base	(Face color coded by amperage)	PVC
Toggle	Nylon	–
Rocker	–	Polycarbonate
Terminal	High performance copper-alloy	Brass
Terminal screws	Brass #8 combination head	Steel
Mounting yoke	Brass and nickel-plated steel	Galvanized steel
Contacts	Silver cadmium oxide	Silver alloy
Movable contact arm	High performance copper-alloy	Copper alloy
Ground terminal	Brass and nickel-plated steel	–
Ground screw	Brass (green)	–
Auto ground clip	Stainless steel	–

### Performance

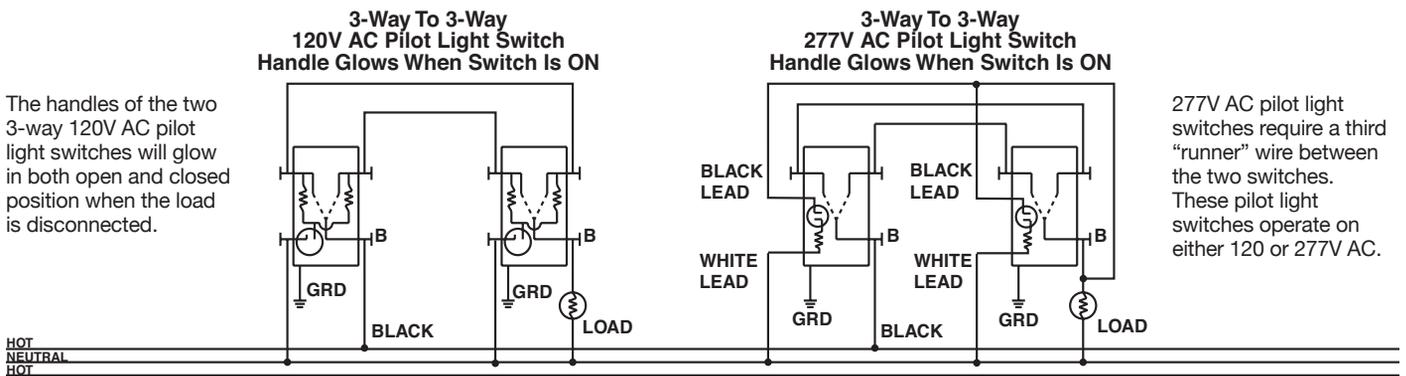
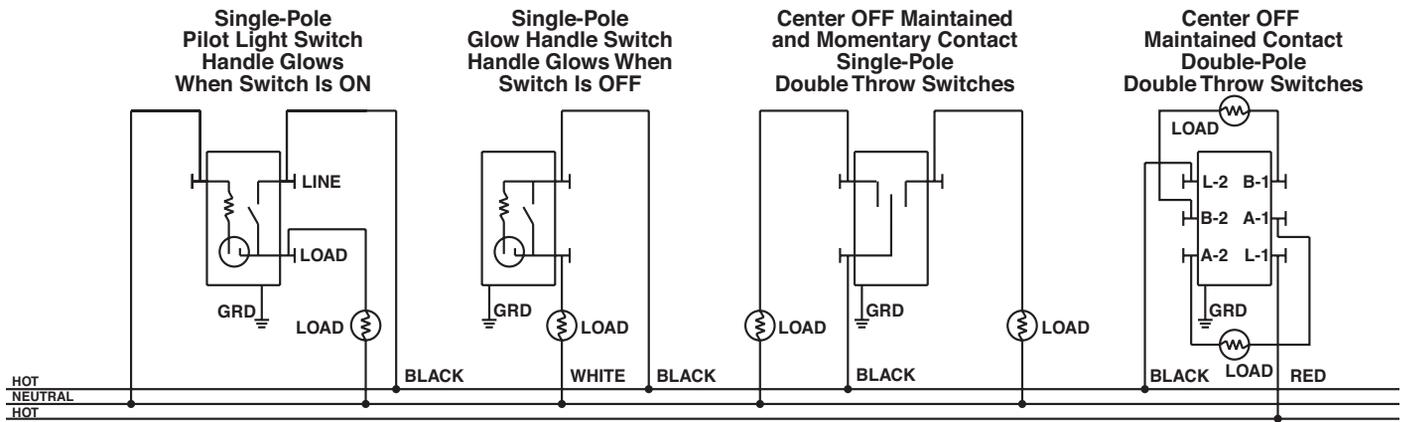
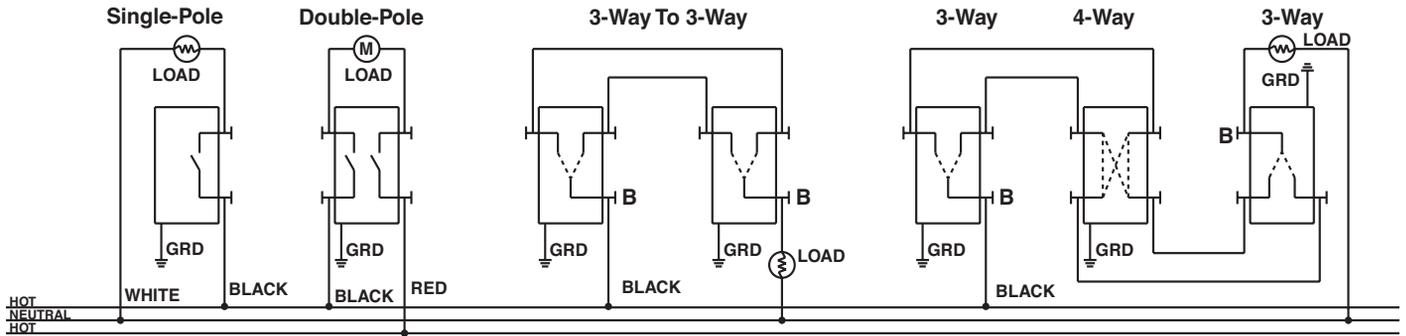
Electrical		Electrical	
Dielectric voltage	Withstands 1500V minimum for 1 min	Withstands 1500V minimum for 1 min	
Maximum working voltage	277V AC	277V AC (Commercial)	120V (Residential)
Overload	–	1.5 times rating	
Temperature rise	30°C maximum at rated current	–	
Maximum continuous current	15A, 20A, 30A	–	
Endurance	50,000 cycles minimum, tungsten filament lamp load (Fed. Spec.), #WS 896, single pole, double pole, 3-way and 4-way	30,000 cycles minimum	
Mechanical			
Terminal accommodation	#14 AWG minimum - #10 AWG maximum	Back and side wire: up to #10 AWG max. solid and stranded copper wire only	Back and side wire: #14 AWG min. to #12 AWG max. solid and stranded copper wire only, push wire: #14 AWG solid copper wire only
Environmental			
Flammability	UL 94 V2	UL 94 V2	UL V0
Operating temperatures	Maximum continuous 75°C, minimum -40°C (without impact)	Maximum continuous 60°C, minimum -20°C (without impact)	

NEMA<sup>®</sup> is a registered trademark of the National Electrical Manufacturers Association.

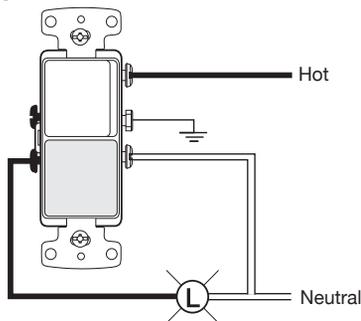
# Switches

## Wiring Diagrams

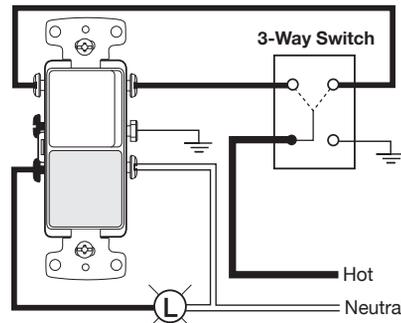
### AC Switches



**Pilot Light Wiring Diagram**  
Single Pole



**Pilot Light Wiring Diagram**  
3-Way



### Toggle AC Motor Controllers Suitable as Disconnects (See Section G for Product Features)



Description	Amp	Phase	Poles	HP Ratings				Catalog Number
				120V AC	240V AC	480V AC	600V AC	
Toggle switch	30	1	2	2	5	10	15	30002D
Short toggle switch	30	1	2	2	5	10	15	30002DS
Toggle switch	30	3	3	3	7.5	15	20	30003D
Short toggle switch	30	3	3	3	7.5	15	20	30003DS
Toggle switch	40	1	2	2	5	10	15	40002D*
Toggle switch	40	3	3	3	7.5	15	25	40003D
Toggle switch	50	1	2	2	5	10	15	50002D
Toggle switch	50	3	3	3	7.5	15	25	50003D
Toggle switch	60	1	2	–	10	15	20	60002D
Toggle switch	60	3	3	–	10	25	30	60003D
Toggle switch – front wire	60	1	2	–	10	15	20	60002FWD
Toggle switch – front wire	60	3	3	–	10	25	30	60003FWD
Toggle switch	85	1	2	–	10	15	20	85002D
Toggle switch	85	3	3	–	10	25	40	85003D

Note: \*For motor controller only, use catalog number 4002.

### Rotary AC Manual Motor Controllers Suitable as Disconnects (See Section G for Product Features)



Description	Amp	Phase	Poles	HP Ratings				Catalog Number
				120V AC	240V AC	480V AC	600V AC	
Rotary switch	30	1	2	2	5	10	15	66032D
Rotary switch	30	3	3	3	7.5	15	20	66033D
Rotary switch	40	1	2	2	5	10	15	66042D
Rotary switch	40	3	3	3	7.5	15	25	66043D
Rotary switch	60	1	2	–	10	15	20	66062D
Rotary switch	60	3	3	–	10	25	30	66063D

### Toggle and Rotary Enclosed Switches Suitable as Disconnects (See Section G for Product Features)



Description	Amp	Phase	Poles	HP Ratings				Catalog Number
				120V AC	240V AC	480V AC	600V AC	
NEMA 1 aluminum – toggle	30	1	2	2	5	10	15	30102D
NEMA 1 aluminum – toggle	30	3	3	3	7.5	15	20	30103D
NEMA 3/3R non-metallic	30	1	2	2	5	10	15	30322D
NEMA 3/3R non-metallic	30	3	3	3	7.5	15	20	30323D
NEMA 3R die cast aluminum	30	1	2	2	5	10	15	30312D
NEMA 3R die cast aluminum	30	3	3	3	7.5	15	20	30313D
NEMA 3R aluminum	30	1	2	2	5	10	15	30302D
NEMA 3R aluminum	30	3	3	3	7.5	15	20	30303D
NEMA 3R aluminum	60	1	2	–	10	15	20	60302D
NEMA 3R aluminum	60	3	3	–	10	25	30	60303D
NEMA 4X stainless steel	30	3	3	3	7.5	15	20	664S33D
NEMA 4X stainless steel	60	3	3	–	10	25	30	664S63D
NEMA 4X rotary motor controller	30	3	3	3	7.5	15	20	664X33D
NEMA 4X rotary motor controller	40	3	3	3	7.5	15	20	664X43D
NEMA 4X rotary motor controller	60	3	3	–	10	25	30	664X63D

### Accessories (See Section G for Product Features)



Description	Catalog Number
Finger guards, red, for use with 30, 40 and 50 amp switches (set of 2)	30003FG
Handle kit for rotary switch, includes handle, shaft, mounting brackets and required screws	6610MK
Weatherproofing kit for rotary switch, includes 4 seals, neoprene bushing and 3 "O" rings	664XWP
Auxiliary contact NO/NC, includes 1 contact for use with push-on terminals	660AC
Mounting feet for NEMA 4X enclosure	664XFT
Neutral buss connector for NEMA 4X enclosure	6603N

# Section F

## Occupancy Sensors and Lighting Controls

Table of Contents	Page
<b>Energy Savings with Occupancy Sensors</b> .....	F-2
<b>Sensor Application Chart</b> .....	F-3
<b>Occupancy and Vacancy Sensors - Wall Switches</b>	
Adaptive Technology Dual and Ultrasonic Wall Switches .....	F-5
Adaptive and Non-Adaptive Passive Infrared Wall Switches .....	F-6
<b>Digital Timers and Low Voltage Switches</b> .....	F-7
<b>Occupancy Sensors - Ceiling and Wall Mount Sensors</b>	
Adaptive Technology Ceiling Sensors .....	F-9
Line Voltage and Low Voltage Ceiling Sensors .....	F-9
Wall Mount Sensors .....	F-9
Control Units and Add-A-Relay .....	F-9
Sensor Accessories .....	F-7
<b>High Bay and Low Bay Sensors and Controls</b>	
OPTIMYZER® High Bay Controls .....	F-10
<b>Harsh Environment Occupancy Sensors</b> .....	F-11
<b>Permanently Marked Receptacles for Automatic Outlet Control Systems</b> .....	F-13
<b>Dimmers and Fan Speed Controls</b>	
Architectural Grade Preset Slide Dimmers .....	F-14
Specification Grade Dimmers and Fan Speed Controls .....	F-15
Replacement Control Knobs .....	F-15
<b>Specifications and Wiring Schematics</b>	
Wall Switch Sensors .....	F-16
Ceiling and Wall Mount Sensors .....	F-18
Control Units and Add-A-Relay .....	F-18
OPTIMYZER® High Bay Controls .....	F-21
Harsh Environment Occupancy Sensors .....	F-21



## Energy Savings with Occupancy Sensors

### Energy Consumption and Standards Compliance

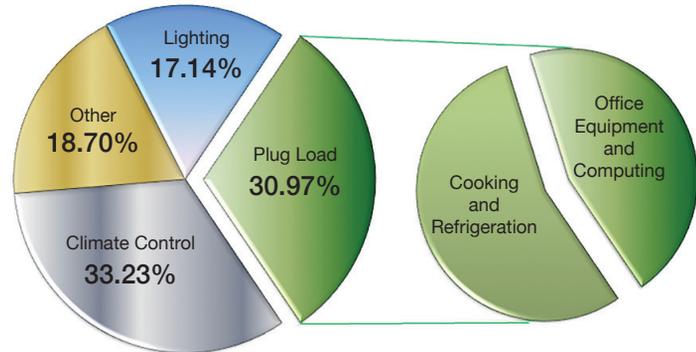
Electricity consumption in commercial buildings has changed dramatically over the past decade. Energy efficient lighting sources like LEDs have reduced their contribution on a commercial building's total electricity consumption from 40% to approximately 17%. Today plug and process loads consume up to 30% of a typical commercial building's energy costs. Energy Efficiency Codes & Standards are becoming more stringent in an effort to reduce energy consumption in all areas of commercial buildings.

Hubbell Load:Logic® series of control devices offers a broad range of space, centralized and distributed controls that meet the latest codes and standards and qualify for LEED certification points. Hubbell devices feature ease of installation, setup, operation and commissioning process. The result is an "install-and-forget" experience.

Additional features include:

- Occupancy or time-based controls
- Integration with third party energy management or climate control systems
- Manual ON mode requires user operation to turn lights ON but automatically turns lights OFF when a space is unoccupied after a specified period of time
- Daylight Harvesting sensors for dimming or to keep the lights OFF when natural light is sensed
- Automatic receptacle control

### Commercial Buildings Electricity Consumption



Electrical bill impact for a typical office building



### Adaptive Technology Provides Better Control

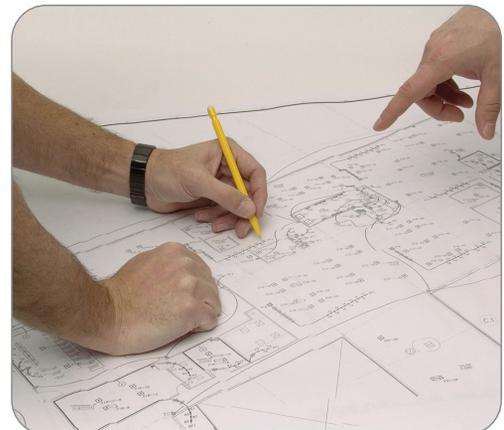
Bryant's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

- Lower energy costs and utility bills
- No need to manually adjust for occupancy changes

### Backed by Bryant Service and Support

Bryant Energy Efficiency Solutions focuses on environmental stewardship, innovative products and efficient building operations. Bryant also offers superior service and support with:

- Online worksheets for calculating energy savings and ROI
- Detailed online F-learning courses
- Product selection guide to assist in choosing the right technology
- Online specification assistance
- Comprehensive layout and take-off services
- Highly knowledgeable network of trained professionals and staff
- BIM models and 3D coverage patterns



LEED® is a registered trademark of the U.S. Green Building Council.

# Occupancy Sensors and Lighting Controls

## Sensor Application Chart

### Typical Applications

Applications are generalized. Consult your BRYANT representative for the type of technology and products that fit your needs.

Application		Sensor Technology			Sensor Style		
		Adaptive	Dual	Ultrasonic	PIR	Wall Switch	Ceiling
Office	Small	✓+	✓+		✓	✓+	✓
	Large	✓+	✓+	✓			✓+
Open Office		✓+	✓	✓+			✓+
Storage/ Warehouse	Small				✓+		
	Large	✓+			✓+		✓+
Rest Room	Small			✓+	✓+	✓+	✓
	Large	✓+		✓+			✓+
Conference Room	Small	✓+	✓+			✓+	✓
	Large	✓+	✓+				✓+
Classroom	Small	✓+	✓+			✓+	✓
	Large	✓+	✓+				✓+
Hall		✓+		✓+	✓		✓+

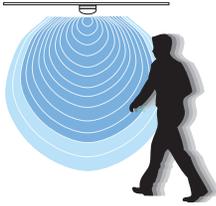
### How to Select the Right Technology for the Proper Application

#### Dual Technology



Dual technology occupancy sensors combine both passive infrared (PIR) and ultrasonic (US) technologies for maximum reliability. Because US and PIR need to both detect occupancy to turn lighting ON, dual technology sensors minimize the risk of lights coming ON when the space is unoccupied—false triggering. Continued detection by only one technology then keeps lighting ON as necessary. Dual technology sensors offer the best performance for most applications.

#### Ultrasonic (US)



Ultrasonic (US) technology senses occupancy by bouncing sound waves (32 kHz - 45 kHz) off of objects and detecting a frequency shift between the emitted and reflected sound waves. Movement by a person or object within a space causes a shift in frequency, which the sensor interprets as occupancy. While US occupancy sensors have a limited range, they are excellent at detecting even minor motion such as typing and filing, and they do not require an unobstructed line-of-sight. This makes US technology sensors ideal for an application like an office with cubicles or a restroom with stalls.

#### Passive Infrared (PIR)



Passive infrared (PIR) technology senses occupancy by detecting the movement of heat emitted from the human body against the background space. Unlike US technology, PIR sensors require an unobstructed line-of-sight for detection. These sensors use a segmented lens, which divides the coverage area into zones. Movement between zones is then interpreted as occupancy. PIR sensors are ideal for detecting major motion (e.g. walking), and they work best in small, enclosed spaces with high levels of occupant movement.

### Application ROI Index



Based on average occupancy and installation complexity.

## Adaptive Technology Wall Switches

### Dual (Ultrasonic and Passive Infrared)

Combines PIR and US technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Adaptive technology provides better control. Bryant's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

The optimum choice when performance is paramount.



### Adaptive Series



#### Housing Design

- Steel mounting strap
- High impact molded plastics
- Color matching tamper resistant lens



#### Coverage and Electrical Ratings

- Dual technology - 1,000 sq. ft. Ultrasonic only - 400 sq. ft.
- 120/277V AC 50/60 Hz; no neutral required; 24V DC, 33mA
- Zero-arc point switching
- Compatible with CFL/LED and motor loads



#### Operation

- Selectable Auto or Manual ON operating modes
- Vacancy only version
- Dual relay version for bi-level switching or lighting/fan control applications
- Photocell for extra energy savings

### Standard Passive Infrared

Requires a clear, unobstructed line of sight for detection, because it senses occupancy as movement of heat emitted from the body against the background space. A segmented Fresnel lens divides a coverage area into zones. Movement across zones is interpreted as occupancy.

Excellent for small room control.



### WS Series



#### Housing Design

- Plated steel mounting strap
- High Impact molded plastics
- Recessed tamper resistant lens
- Night light option



#### Coverage and Electrical Ratings

- High density PIR - 1,200 sq. ft.
- WS1000 series - 120V AC 60Hz WS2000 series - 120/277V AC 60Hz; multi-way capable
- No neutral required
- Compatible with CFL/LED and motor loads



#### Operation

- WS2000 series - Selectable Auto or Manual ON operating modes
- Vacancy only version
- Dual relay version for bi-level switching or lighting/fan control applications
- Photocell for extra energy savings

## Adaptive Technology Wall Switches

### Dual (Ultrasonic and Passive Infrared)

- “Install and forget” operation
- Zero arc point switching
- Dual 120/277V AC operation, no neutral required
- Auto or manual ON operating modes (2000 series)
- Manual ON (Vacancy) operating mode (2001 series)
- No minimum load requirements
- Hard lens (dual technology, passive infrared)
- Steel mounting strap
- Bi-level switching or dual load control (2 or 2N suffix)
- Compatible with most LED and CFL



Description	Color	Single Circuit		Dual Circuit	
		1 Button for Manual/Auto Control	Auto Control with No Button	2 Buttons for Manual/Auto Control	Auto Control with No Button
<b>Dual (Ultrasonic and Passive Infrared)</b> 1000 square foot coverage with photocell, 800W Incandescent, 1000W Fluorescent at 120V AC, 1800W Fluorescent at 277V AC, 50/60Hz	Black	<b>MSD2000BK1</b>	<b>MSD2000BK1N</b>	<b>MSD2000BK2</b>	<b>MSD2000BK2N</b>
	Gray	<b>MSD2000GY1</b>	<b>MSD2000GY1N</b>	<b>MSD2000GY2</b>	<b>MSD2000GY2N</b>
	Ivory	<b>MSD2000I1</b>	<b>MSD2000I1N</b>	<b>MSD2000I2</b>	<b>MSD2000I2N</b>
	Light Almond	<b>MSD2000LA1</b>	<b>MSD2000LA1N</b>	<b>MSD2000LA2</b>	<b>MSD2000LA2N</b>
	White	<b>MSD2000W1</b>	<b>MSD2000W1N</b>	<b>MSD2000W2</b>	<b>MSD2000W2N</b>
<b>Dual Manual ON (Vacancy)</b> 1000 square foot coverage with photocell, 800W Incandescent, 1000W Fluorescent at 120V AC, 1800W Fluorescent at 277V AC, 50/60Hz	Black	<b>MSD2001BK1</b>	—	<b>MSD2001BK2</b>	—
	Gray	<b>MSD2001GY1</b>	—	<b>MSD2001GY2</b>	—
	Ivory	<b>MSD2001I1</b>	—	<b>MSD2001I2</b>	—
	Light Almond	<b>MSD2001LA1</b>	—	<b>MSD2001LA2</b>	—
	White	<b>MSD2001W1</b>	—	<b>MSD2001W2</b>	—

Note: See page F-14 for technical specifications and wiring schematics. Wallplate sold separately, see Section P for more information.

### Ultrasonic

- “Install and forget” operation
- Zero arc point switching
- Dual 120/277V AC operation, no neutral required
- Auto or manual ON operating modes (2000 series)
- Manual ON (Vacancy) operating mode (2001 series)
- No minimum load requirements
- Hard lens (dual technology, passive infrared)
- Steel mounting strap
- Bi-level switching or dual load control (2 or 2N suffix)
- Compatible with most LED and CFL

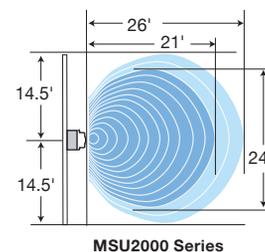
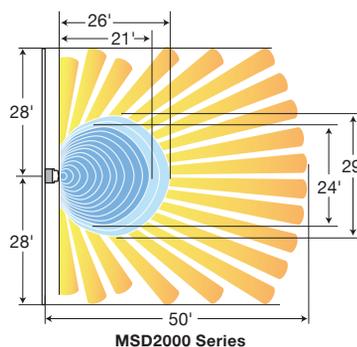


Description	Color	Single Circuit	Dual Circuit
		1 Button for Manual/Auto Control	2 Buttons for Manual/Auto Control
<b>Ultrasonic</b> 400 square foot coverage with photocell, 800W Incandescent, 1000W Fluorescent at 120V AC, 1800W Fluorescent at 277V AC, 50/60Hz	Black	<b>MSU2000BK1</b>	<b>MSU2000BK2</b>
	Gray	<b>MSU2000GY1</b>	<b>MSU2000GY2</b>
	Ivory	<b>MSU2000I1</b>	<b>MSU2000I2</b>
	Light Almond	<b>MSU2000LA1</b>	<b>MSU2000LA2</b>
	White	<b>MSU2000W1</b>	<b>MSU2000W2</b>
<b>Ultrasonic Manual ON (Vacancy)</b> 400 square foot coverage with photocell, 800W Incandescent, 1000W Fluorescent at 120V AC, 1800W Fluorescent at 277V AC, 50/60Hz	Black	<b>MSU2001BK1</b>	<b>MSU2001BK2</b>
	Gray	<b>MSU2001GY1</b>	<b>MSU2001GY2</b>
	Ivory	<b>MSU2001I1</b>	<b>MSU2001I2</b>
	Light Almond	<b>MSU2001LA1</b>	<b>MSU2001LA2</b>
	White	<b>MSU2001W1</b>	<b>MSU2001W2</b>

Note: See page F-14 for technical specifications and wiring schematics. Wallplate sold separately, see Section Q for more information.

### Coverage Patterns

- Minor Motion:** ■ Ultrasonic ■ PIR  
**Major Motion:** ■ Ultrasonic ■ PIR



# Occupancy Sensors and Lighting Controls

## Wall Switches

### Passive Infrared

- Passive infrared technology
- Manual adjustment time delay (20 sec. to 30 min.)
- Photozell (WS2000 series)
- No neutral required
- 1200 sq. ft. coverage
- Wallplate included
- Steel mounting strap
- Compatible with most LED and CFL
- CEC Title 24 Compliant
- cULus

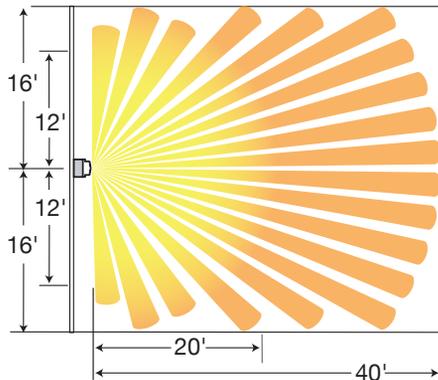


Description	Color	Standard	with Nightlight
Manual adjusting, selectable manual/auto-ON operation, dual-voltage 120/277V AC, 3-way capable	Gray Ivory Light Almond White	<b>MS2000GY</b> <b>MS2000I</b> <b>MS2000LA</b> <b>MS2000W</b>	<b>MS2000NGY</b> <b>MS2000NI</b> <b>MS2000NLA</b> <b>MS2000NW</b>
Same as above, with neutral	Ivory White	<b>MS2004I</b> <b>MS2004W</b>	<b>MS2004NI</b> <b>MS2004NW</b>
Manual adjusting, auto-ON operation, 120V AC only	Ivory White	<b>MS1000I</b> <b>MS1000W</b>	<b>MS1000NI</b> <b>MS1000NW</b>
Manual adjusting, manual-ON operation, 120V AC only	Ivory White	<b>MS1001I</b> <b>MS1001W</b>	<b>MS1001NI</b> <b>MS1001NW</b>

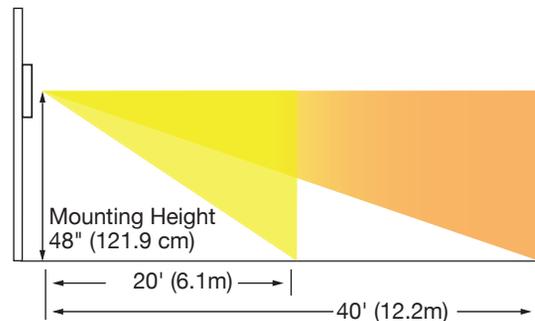
Note: See page F-15 for technical specifications and wiring schematics.

### Coverage Patterns

Minor Motion: ■ PIR  
Major Motion: ■ PIR



MS2000AT, MS2000, MS1000 Series



Vertical Coverage  
MS2000AT, MS2000, MS1000 Series

## Digital Timers

### Digital Timer



Description	Color	Catalog Number
Dip switch enabled preset intervals, user adjustable up to 4 hours, 3-way capable, 960W @ 120V AC and 1200W @ 277V AC. Includes an ON/OFF momentary push button switch feature	White	<b>DT20H</b>

### Count Down Timers



Description	Color	30 Minutes: OFF, 5, 10, 20, 30	60 Minutes: OFF, 15, 30, 45, 60	12 Hours: OFF, 2, 4, 8, 12
1000W @ 120V AC and 1400W @ 277V AC	Ivory Light Almond White	<b>DT5030I</b> <b>DT5030LA</b> <b>DT5030W</b>	<b>DT5060I</b> <b>DT5060LA</b> <b>DT5060W</b>	<b>DT5012I</b> <b>DT5012LA</b> <b>DT5012W</b>

Note: Wallplate sold separately, see Section P for more information.

### Programmable Timer

Description	Color	Catalog Number
Wall Switch Programmable Timer with Astronomical Clock, Features 3 Interchangeable cover colors: Gray, Light Almond and White. Compatible in SP and 3-Way configurations, 120V AC, neutral wire required.	White	<b>DTP120</b>



### Low Voltage Switches

- Attractive, architectural design
- Available latching or momentary contact
- Mounts to standard single gang box
- 2-year warranty



Description	Color	Latching, 1 Button	Momentary, 1 Button	Momentary, 2 Button
Low voltage switch	Ivory White	<b>MSL301I</b> <b>MSL30W1</b>	<b>MSM301I</b> <b>MSM30W1</b>	<b>MSM3012</b> <b>MSM30W2</b>

Note: Wallplate sold separately, see Section Q for more information.

## Sensor Accessories

### Ceiling Sensors Accessories



Ceiling Sensor Infrared, NEMA Type 4X Enclosure

**MSP4X**



Ceiling Mount Raceway Adapter

**MSCRA**



Ceiling Mount Wire Guard

**MSWGC**

### Wall Mount Sensors Accessories



Wall Switch Wire Guard

**MSWGS**



Wall Mount Wire Guard

**MSWGW**

### Dual (Ultrasonic and Passive Infrared)

Combines PIR and Ultrasonic technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Adaptive technology provides better control. Bryant's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

The absolute choice for advanced control and precise performance.



### Ceiling Mount



#### Housing Design

- High-impact, plastic (UL94, 5VA)
- 12-element segmented Fresnel lens; 32kHz ultrasonic transmitter and receiver
- Mounting base provided



#### Coverage and Ratings

- Up to 2,000 sq. ft. between 8ft and 12ft mounting height. 24V DC active high-logic control signal
- Option of a N/O + N/C contacts; SPDT; 500 mA rated @ 24V DC; three-wire isolated relay for HVAC or energy management systems integration



#### Operation

- Self adjusting sensitivity thresholds and timers; automatic false ON/false OFF corrections, strong airflow compensation mode
- Compatible with Bryant's distributed and centralized control systems

### Standard Passive Infrared

Passive infrared sensors are specifically designed for long-range major motion activity sensitivity, making them ideal for large open areas.

Various models are suitable for indoor and outdoor applications where NEMA 4X rating is required. Other units are suitable for extreme temperatures areas providing unsurpassed flexibility for almost every application.



### Wall Mount



#### Housing Design

- High-impact, plastic (UL94, 5VA)
- 12-element segmented Fresnel lens; 32kHz ultrasonic transmitter and receiver
- Mounting base provided



#### Coverage and Ratings

- Up to 1,600 sq. ft. between 8ft and 12ft mounting height. (30ft for high bay, aisle model) 24V DC active high-logic control signal
- Option of a N/O + N/C contacts; SPDT; 500 mA rated @ 24V DC; three-wire isolated relay for HVAC or energy management systems integration



#### Operation

- Self adjusting sensitivity thresholds and timers. Automatic false ON/false OFF corrections airflow compensation mode
- Compatible with Bryant's distributed and centralized control systems

# Occupancy Sensors and Lighting Controls



## Adaptive Technology Ceiling and Wall Mount Sensors



- Dual technology sensing combines the individual advantages of passive infrared and ultrasonic detection
- Adaptive technology - "Install and forget" operation, analyzes environment and adjusts sensitivity and timer, eliminating the need for manual adjustment
- Digital, crystal controlled ultrasonic transmitter and receiver for coverage in each direction for superior sensing of motion
- Dual element passive infrared detector and lens sense heat in motion
- Red LED indicates passive infrared detection, green LED indicates ultrasonic detection



Type	Ceiling				Wall Mount*		
	Coverage	Field of View	Low Voltage	Line Voltage	Coverage	Description	Catalog Number
Dual (Ultrasonic and Passive Infrared)	2000 sq. ft. 1000 sq. ft.	360° 180°	<b>MSD2000C</b> <b>MSD1000C</b>	<b>MSD2000CL</b> <b>MSD1000CL</b>	1600 sq. ft.	Low Voltage 32kHz	<b>MSD1600W</b>
Ultrasonic	2000 sq. ft. 1000 sq. ft.	360° 180°	<b>MSU2000C</b> <b>MSU1000C</b>	<b>MSU2000CL</b> <b>MSU1000CL</b>	—	—	—
Passive Infrared	1500 sq. ft.	360°	<b>MSP1500C</b>	<b>MSP1500CL</b>	1600 sq. ft. 120 Linear ft.	Wide angle coverage For aisle and high bay	<b>MSP1600W</b> <b>MSP120HB</b>

Note: Ceiling and Wall Mount sensors must use a Control Unit.  
 \*Swivel mounting bracket included for wall or ceiling mounting.  
 See page F-6 for ceiling sensors accessories.  
 See page F-16 for technical specifications and wiring schematics.

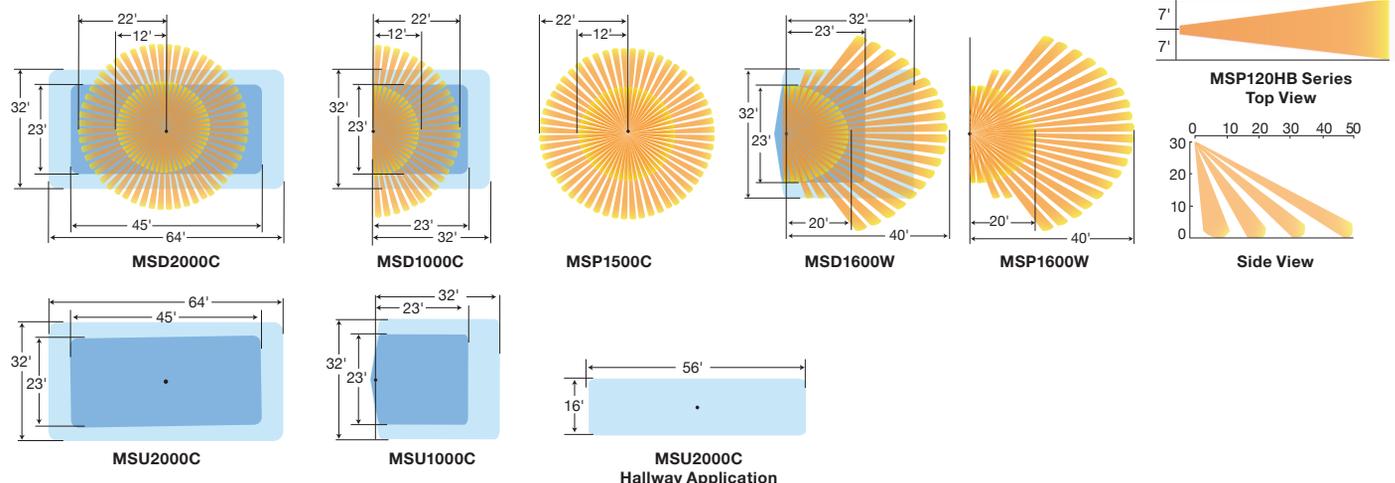
## Control Units

Description	Automatic ON	Manual ON	Auto or Manual ON	Add-A-Relay
The MSCU series provides a 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed. 120/277V AC, 50/60 Hz for use with MSD, MSU and MSP series ceiling/wall mount sensors.	<b>MSCU</b>	<b>MSCUM</b>	<b>MSCUHD</b>	<b>MSAR</b>



## Coverage Patterns

Minor Motion: ■ Ultrasonic ■ PIR Major Motion: ■ Ultrasonic ■ PIR



# Occupancy Sensors and Lighting Controls

## Harsh Environment Occupancy Sensors

### MAXX™ Harsh Environment Sensing Devices

MAXX™ products are designed to withstand these harsh environments manufactured with cold and heat resistant components. These sensors tolerate extremes of weather and applications. MAXX™ products provide users with methods to reduce energy usage in harsh environments where other commercial grade products can't.



### Standard Passive Infrared

Requires a clear, unobstructed line of sight for detection, because it senses occupancy as movement of heat emitted from the body against the background space. A segmented Fresnel lens divides a coverage area into zones. Movement across zones is interpreted as occupancy.

Excellent for small room control.

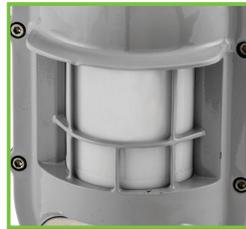


### Pendant Mount Series



#### Housing Design

- IP66, TYPE 4X, outdoor rated
- Housing manufactured from chemical resistant thermoplastic
- Multiple mounting kits for existing work boxes and hubs; pendant or wall mounting flexibility



#### Protection

- Integrated lens guard protects against accidental damage
- Photocell makes sure lights stay OFF when there is sufficient daylight
- Isolated relay provides signalling to HVAC and ventilation systems



#### Access Cover

- Stainless steel hardware and settings access cover

### Fixture Mount Series



#### Housing Design

- IP65, NEMA 3R watertight, and outdoor rated
- Fixture or work box mounting with 1/2" threaded nipple



#### Coverage and Electrical Ratings

- Digital passive infrared (PIR) sensor
- Two (upward/downward) photocells options for daylight harvesting
- Supplied with 360° lenses; aisle, end-of-aisle and 180° lenses available separately
- -40°F to 149°F (-40°C to 65°C) operating temperature range; compatible with CFL/LED and motor loads

## Harsh Environment Occupancy Sensors

### Watertight Wall Mount PIR Sensor

IP66, NEMA Type 4X, outdoor rated, heavy duty wall or pendant mount sensor with -40°F to 149°F (-40°C to 65°C) operating temperature range and 160° of coverage.

Description	Voltage	Catalog Number
PIR sensor, with isolated relay and photocell	24V DC	<b>MSHT1600WRP</b>
Adaptor plate for single gang FS boxes	-	<b>MSHAP1</b>
Adaptor hub and nipple for Killark NJ series boxes	-	<b>MSHAP2</b>
Adaptor plate for Killark® NV series boxes	-	<b>MSHAP3</b>
½NPT threaded hub	-	<b>MSHAP4</b>

Note: For use with MSCUHD (120/277V AC, 50/60Hz) control unit.  
See page F-19 for technical specifications and coverage patterns.



### Extreme Temperature PIR Ceiling Sensor

Upgraded ceiling sensor with -40°F to 149°F (-40°C to 65°C) operating temperature range. Use MSP4X to make NEMA Type 4X watertight.

Description	Voltage	Catalog Number
Sensor with isolated relay and photocell	24V DC	<b>MSHT1500CRP</b>
IP66, NEMA Type 4X enclosure	-	<b>MSP4X</b>

Note: For use with MSCUHD (120/277V AC, 50/60Hz) control unit.  
See page F-19 for technical specifications and coverage patterns.



### Heavy Duty Control Unit

Robust latching relay provides reliable performance over many different applications, including plug loads, 20A 100-277V AC, 1HP @ 120V AC, 2HP @ 240/277V AC. Auto or Manual-ON operation. Powers up to six low voltage sensors.

Description	Voltage	Catalog Number
Heavy duty control unit	120-277V AC	<b>MSCUHD</b>

Note: See page F-16 for technical specifications.



### OPTIMYZER® Watertight End Mount PIR Sensor

IP65, NEMA Type 3R, outdoor rated, -40°F to 149°F (-40°C to 65°C) operating temperature range.

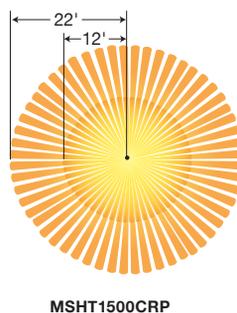
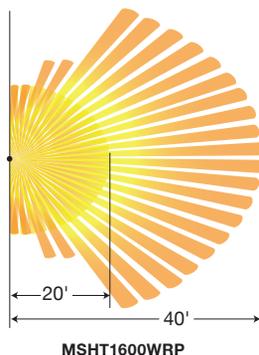
Description	Voltage	Catalog Number
Single relay with photocell	120-347V AC	<b>MSHB21UPCW</b>
2 relays with photocell	120-347V AC	<b>MSHB22UPCW</b>
Low voltage with photocell	24V DC	<b>MSHB2LVPCW*</b>

Note: 360° high bay lens included. Low bay lens options sold separately, see below for details.  
\*For use with MSCUHD (120/277V AC, 50/60Hz) control unit.  
See page F-8 for replacement lenses and accessories.  
See page F-19 for technical specifications and coverage patterns.



### Coverage Pattern

Minor Motion: ■ PIR      Major Motion: ■ PIR



# Occupancy Sensors and Lighting Controls



## OPTIMYZER® High Bay and Low Bay Sensors



- Digital passive infrared (PIR) sensor
- Multiple (single and dual) output versions
- Single and dual timer operation
- Low-profile design
- Supports mounting heights up to 45 feet (High Bay)
- Supports mounting heights between 8-16 feet (Low Bay)
- Area and aisle coverage

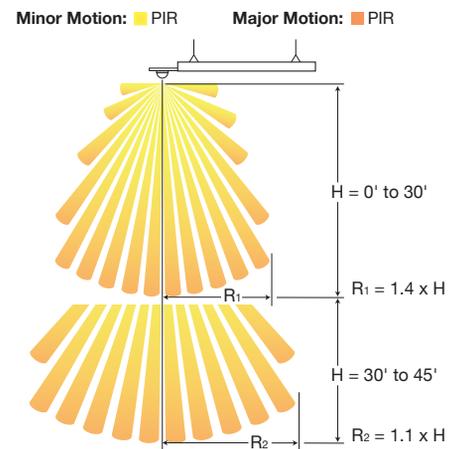
### Daylight Harvesting Passive Infrared



		Fluorescent High Bay PIR Sensor		
Color	Voltage	1 Relay	2 Relays	with Photocell
White	120-347V AC	<b>MSHB219</b>	<b>MSHB229</b>	—
White	24V DC	—	—	<b>MSHB2LV9*</b>

Note: 360° high bay lens included. Low bay lens options sold separately, see below for details.  
 \*For use with MSCUHD (120/277V AC, 50/60Hz) control unit.  
 See page F-19 for technical specifications.

### Coverage Patterns



### Replacement Lenses and Accessories



Description	180° Lens	360° Lens	Aisle Lens	End of Aisle Lens	Mounting Extension Adapter
High Bay	<b>MSHBL180</b>	<b>MSHBL360</b>	<b>MSHBLA</b>	<b>MSHBLEA</b>	<b>MSHBSA</b>
Low Bay	<b>MSLBL180</b>	<b>MSLBL360</b>	<b>MSLBLA</b>	<b>MSLBLEA</b>	<b>MSHBSA</b>

### Daylight Harvesting

- Multiple calibration options
- Selectable 3- or 8-second dimming rate
- Low-profile design
- Light-sensitivity wide range of options



Description	Voltage	with ON/OFF Control	with Dimming Control
Daylight tracker	24V DC	<b>MDHT*</b>	<b>MDHTD†</b>

Note: \*For use with MSCU series control units.  
 †For use with 0-10V DC dimming ballasts.

# Occupancy Sensors and Lighting Controls

## Permanently Marked Receptacles for Automatic Outlet Control Systems



Power when you need it...  
Energy savings when you don't

- Permanent power symbol remains clearly visible after installation
- Factory broken split tab on the half controlled units saves field installation time
- Ideal for commercial buildings, retail, schools, hotel rooms
- Compliment Bryant's Load:Logic Automatic Outlet Control systems as well as existing systems
- Listed for 20A enclosed switching
- Heavy duty 60A rated mechanical latching relay, silver alloy contacts
- Low voltage output short circuit protection
- 24V DC, 250mA DC power output on applicable units
- UL 2043 plenum rated
- Compatible with most LED and CFL
- Zero cross switching

### Heavy Duty Control Unit

Robust latching relay provides reliable performance over many different applications, including plug loads. 20A 100-277V AC, 1HP @ 120V AC, 2HP @ 240/277V AC. Auto or Manual-ON operation. Powers up to six low voltage sensors.

Description	Voltage	Catalog Number
Heavy duty control unit	100-277V AC	<b>MSCUHD</b>
Heavy duty latching relay, for use with MSCUHD		<b>MSAR20P</b>

Note: See page F-16 for technical specifications and wiring schematics.



### Permanently Marked Receptacles for Automatic Outlet Control Systems

Description	Color	15A Duplex	20A Duplex	15A Decorator	20A Decorator
Permanently marked receptacles	Gray	<b>CBRS15C1GRY</b>	<b>CBRS20C2GRY</b>	<b>DRS15C1GRY</b>	<b>DRS20C2GRY</b>
	Ivory	<b>CBRS15C1I</b>	<b>CBRS20C2I</b>	<b>DRS15C1I</b>	<b>DRS20C2I</b>
	Light Almond	<b>CBRS15C1LA</b>	<b>CBRS20C2LA</b>	<b>DRS15C1LA</b>	<b>DRS20C2LA</b>
	White	<b>CBRS15C1WHI</b>	<b>CBRS20C2WHI</b>	<b>DRS15C1WHI</b>	<b>DRS20C2WHI</b>

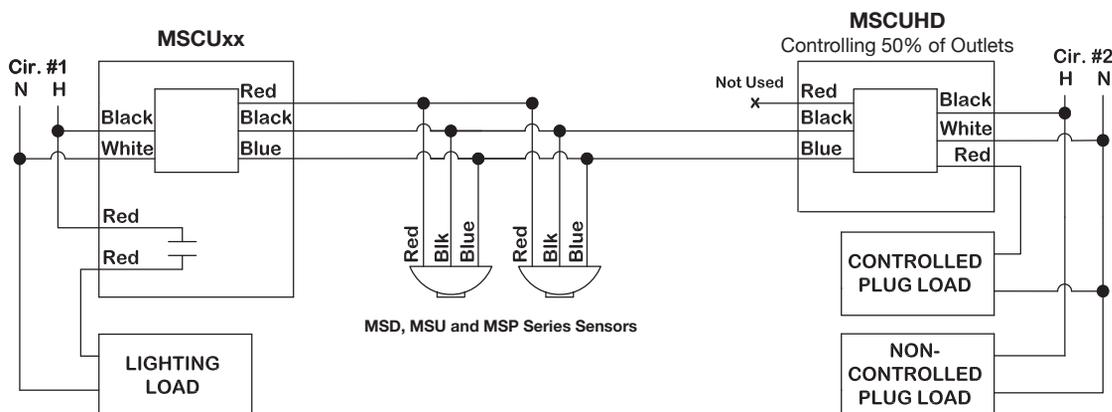
Note: See Section A for additional products and colors.



ASHRAE 90.1-2010 mandates that 50% of all outlets in private offices, open offices, and computer classrooms must be automatically controlled by occupancy or time based schedules. This also includes outlets in modular furniture. Bryant provides solutions for compliance that are cost effective and installer friendly. See below for example. Additional examples and design resources are located at [www.Bryant-wiring.com/energy.aspx](http://www.Bryant-wiring.com/energy.aspx)

### Wiring Diagram

Utilizing low voltage wiring provides installers with a familiar method of wiring and installation. Specify MSCUHD to control outlets and use MSAR or MSCU to control the lighting. Utilize alternating outlet or split receptacle wiring as required to control at least 50% of the outlets in the space.



# Occupancy Sensors and Lighting Controls



## Architectural Grade Preset Slide Dimmers



- Full-range dimming preset slider
- Advanced RFI protection circuitry
- Complete solid-state electronics
- Rating stamped on yoke for permanent identification
- Advanced circuitry reduces motor hum and radio interference
- Reduces energy costs

### Architectural Preset Slide Dimmers, Single Pole/3-Way

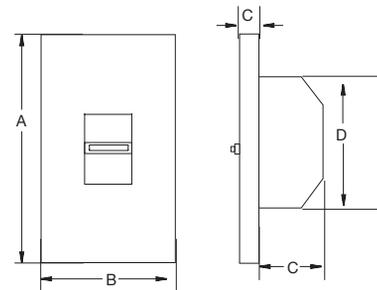


Color	Single Pole/3-Way, 120V AC, 60 Hz			
	2000W	1500W	1000W	600W
Ivory	<b>BAS203I</b>	<b>BAS153I</b>	<b>BAS103I</b>	<b>BAS63I</b>
White	<b>BAS203W</b>	<b>BAS153W</b>	<b>BAS103W</b>	<b>BAS63W</b>

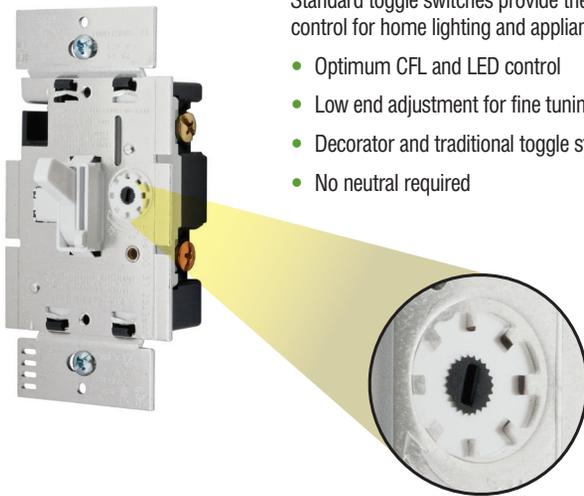
### Product Dimensions Inches (mm)

	BAS203/BAS153	BAS103/BAS63
A	4.50" (114.3)	4.50" (114.3)
B	4.50" (114.3)	2.75" (69.9)
C	1.31" (33.3)*	1.31" (33.3)*
D	2.75" (69.9)	2.75" (69.9)
E	0.62" (15.7)	0.62" (15.7)

Note: \*High watt models up to 1.71 in. (43.4).



## Slide and Rotary Dimmers



Standard toggle switches provide the basic ON/OFF control for home lighting and appliances.

- Optimum CFL and LED control
- Low end adjustment for fine tuning
- Decorator and traditional toggle styling available
- No neutral required

Adjustment dial to set the low-light level



### CFL/LED Dimmers

Description	Toggle Dimmer	Decorator Dimmer
Rating	CFL/LED 150W Incandescent/Halogen 600W 120V AC, 60Hz	
Termination	Single Pole/Three Way	Single Pole/Three Way
Ivory	<b>RAYCL153PI</b>	<b>RDVCL153PI</b>
Light Almond	<b>RAYCL153PLA</b>	<b>RDVCL153PLA</b>
White	<b>RAYCL153PW</b>	<b>RDVCL153PW</b>

# Occupancy Sensors and Lighting Controls

## Slide and Rotary Dimmers, and Fan Speed Controls

### Preset Slide Dimmers and Rotary Dimmers with ON/OFF Switch, 120V AC



Color	Incandescent			Incandescent Rotary Push ON/OFF Dimmer		
	600W			600W		
	Single Pole, Slide to OFF	Single Pole	3-Way	Single Pole	Single Pole	3-Way
Ivory	<b>RS600I*</b>	<b>RS600PI</b>	<b>RS603PI</b>	<b>RD600RI</b>	<b>RD600PDK**</b>	<b>RD603PDK**</b>
Light Almond	<b>RS600LA*</b>	<b>RS600PLA</b>	<b>RS603PLA</b>	—	—	—
White	<b>RS600W*</b>	<b>RS600PW</b>	<b>RS603PW</b>	<b>RD600RW</b>	<b>RD600PDK**</b>	<b>RD603PDK**</b>

Note: \*Slide to OFF series dimmers do not have an ON/OFF switch.

\*\*Control knobs included for both ivory and white. See below for replacement slide knobs.

### Fan Speed Controls, 120V AC



Color	Rocker Fan Control, 3-Speed, Slide Adjustment	Slide Fan Control, 3-Speed, Slide to OFF	Toggle Fan Control, 3-Speed	Rotary Fan Control, 3-Speed
	1.5A	1.5A	1.5A	1.5A
	Single Pole/3-Way	Single Pole	Single Pole/3-Way	Single Pole
Ivory	<b>RDVFSQFI</b>	<b>RSFSQFI</b>	<b>RAYFSQFI</b>	<b>RFSQ2FDK**</b>
Light Almond	<b>RDVFSQFLA</b>	<b>RSFSQFLA</b>	<b>RAYFSQFLA</b>	—
White	<b>RDVFSQFW</b>	<b>RSFSQFW</b>	<b>RAYFSQFW</b>	<b>RFSQ2FDK**</b>

Note: \*\*Control knobs included for both ivory and white.

### Replacement Control Knobs



Color	Replacement Slide Knobs	Replacement Knobs for Rotary/Push Dimmer	Replacement Knobs for 3-Speed Fan Control
Ivory	<b>RSKI</b>	<b>RRKDK**</b>	<b>R28032406</b>
Light Almond	<b>RSKLA</b>	—	—
White	<b>RSKW</b>	<b>RRKDK**</b>	<b>R28032401</b>

Note: \*\*Control knobs included for both ivory and white.

# Occupancy Sensors and Lighting Controls

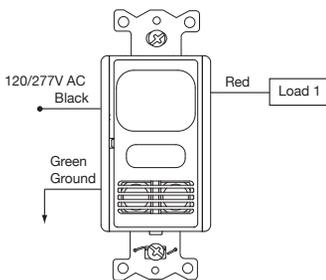
## Specifications and Wiring Schematics



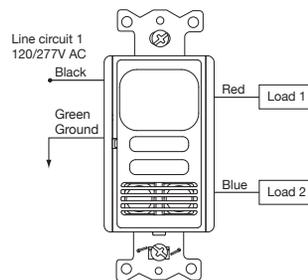
Electrical	MSD2000 and MSU2000 Series	
Power supply	120/277V AC, 50/60Hz	
Load capacity	Incandescent	0 to 800 watts
	120V AC ballast	0 to 1000 watts
	277V AC ballast	0 to 1800 watts
Motor load	1/4HP	
Agency approvals	cULus Listed	
<b>Physical</b>		
Housing	High-impact plastic (UL 94-5V)	
Lens	Dual element pyrometer and 12 element cylindrical hard lens (MSD and MSU series only)	
Dimensions	Face 2.57"H x 1.71"W, 0.53"D (from wall out)	
Mounting height	42 to 54 inches above floor	
<b>Environmental</b>		
Operating	32°F to 104°F (0°C to 40°C), 0% to 95% non-condensing relative humidity	
Storage	-20°F to 160°F (-29°C to 66°C), 0% to 95% non-condensing relative humidity	
<b>Controls</b>		
Time delay	Digital, adaptive 4 to 30 minutes (20 min default MSU only)	
Ambient light	Adjustable ambient light override, 10 to 500 foot candles	
Front press switch	Auto/OFF	
Sensitivity	Adaptive 0% to 100%	
Service switch	Air gap OFF	
<b>Sensing Indicator</b>		
Passive infrared	Red LED (MSD series only)	
Ultrasonic	Green LED (MSD series only)	

## Wiring Schematic MSD and MSU Series Wall Switch Sensors

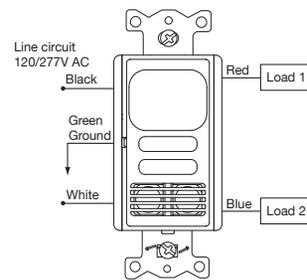
**Single Circuit Wiring**



**Dual Circuit Sensor, Wired for Dual Circuits**

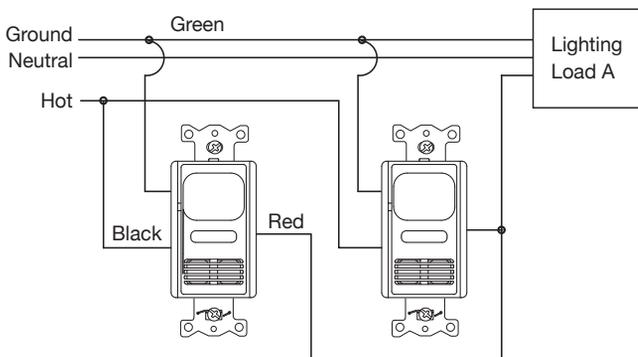


**Dual Circuit Sensor, Wired for Dual Circuits with Neutral**

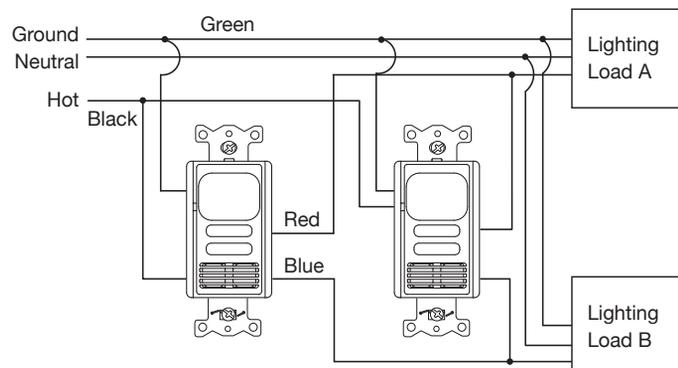


For step dimming, bi-level, and dual ballasted fixtures

**Single Circuit Sensors, Wired as 3-Way Sensors\***



**Dual Circuit Sensors, Wired as 3-Way Sensors\***



Note: \*Load can not exceed the rating of one switch.  
Sensor is shipped with all dip switches in the OFF position (factory default).

# Occupancy Sensors and Lighting Controls

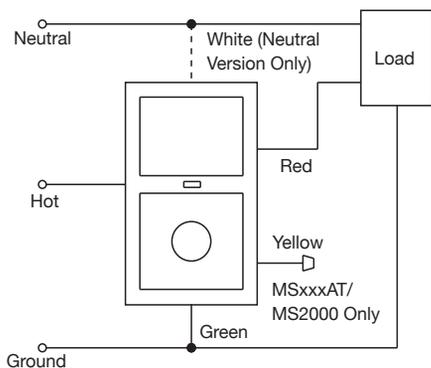
## Specifications and Wiring Schematics



Electrical	MS2000 Series	MS1000 Series
Power supply	120/277V AC, 60Hz	120V AC, 60Hz
Load capacity	Incandescent 120V AC Ballast 277V AC Ballast	0 to 500 watts 0 to 500 watts N/A
Motor load	N/A	N/A
Agency approvals	cULus Listed	cULus Listed
<b>Physical</b>		
Housing	Flame retardant (UL 94 V-0 ABS)	
Lens	Polyethylene	
Dimensions	Face 2.59"H x 1.30"W, 0.61"D (from wall out)	
Mounting height	42 to 54 inches above floor	
<b>Environmental</b>		
Operating	32°F to 122°F (0°C to 50°C) with rate of change not exceeding 20°F (11°C) per hour, 20% to 90% non-condensing relative humidity	
Storage	-40°F to 150°F (-40°C to 65°C), 20% to 90% non-condensing relative humidity	
<b>Controls</b>		
Time delay	Auto (MS2000AT series) Manual 20 seconds to 30 minutes (MS2000 series)	Manual 20 seconds to 30 minutes
Ambient light	Digital, push button, 10 to 500 foot candles	N/A
Front press switch	ON/OFF	ON/OFF
Sensitivity	N/A	N/A
Service switch	OFF (service), Vaccancy (manual-ON), Occupancy (auto-ON)	OFF (service), ON (normal operation)
<b>Sensing Indicator</b>		
Passive infrared	Red LED	Red LED
Ultrasonic	N/A	N/A

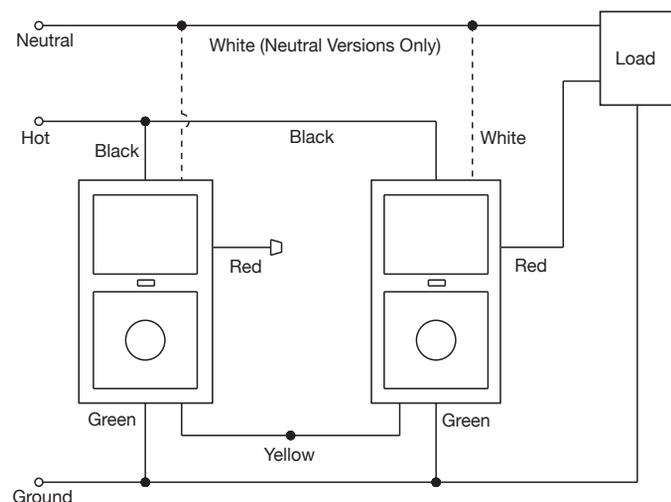
## Wiring Schematic MS2000 and MS1000 Series Wall Switch Sensors

### Normal Wiring



### Sensors Wired as 3-Way Sensors\*

(MSxxxAT/MS2000 Only)



Note: \*Load can not exceed the rating of one switch.  
Sensor is shipped with all dip switches in the OFF position (factory default).

# Occupancy Sensors and Lighting Controls

## Specifications



Electrical	MSD, MSU, MSP Series Ceiling and Wall Mount Sensors	
Power requirements	24V DC nominal, 33mA from Bryant MSCU series control unit	
Isolated relay (sensors with RP suffix)	Normally open and normally closed, Terminals available	
Agency approvals	UL Listed	
Physical	Ceiling Sensors	Wall Mount Sensors
Housing	Flame retardant UL 94 V-0 ABS	Flame retardant UL 94 V-0 ABS
Lens	Polyethylene	Polyethylene
Dimensions	1.5"H x 4.5"D	6"H x 2"W x 1.5"D
Color	Office white	Office white
Mounting height	8 to 12 feet	8 to 12 feet, 8 to 30 feet (ATP120HB series)
Environmental		
Operating	32°F to 104°F (0°C to 40°C) with rate of change not exceeding 20°F (11°C) per hour, 0% to 95% non-condensing relative humidity	
Storage	-20°F to 150°F (-29°C to 65°C), 0% to 95% non-condensing relative humidity	
Controls		
Time delay	Test (8 seconds), adaptive 8 to 40 minutes	
Ambient light	1 to 1000 foot candles	
Sensitivity	Adaptive 0 to 100%	
Sensing Indicators		
Ultrasonic (MSD and MSU series)	Green LED	
Passive infrared (MSD and MSP series)	Red LED	



	MSCU(M)	MSCUHD	MSAR
Electrical	MSCU(M)	MSCUHD	MSAR
Power supply	120-277V AC, 50/60Hz	100-277V AC, 50/60Hz	N/A
Power output	24V DC, 150mA	24V DC, 250mA	N/A
Power input	N/A	N/A	24V DC nominal, 33mA from Bryant MSCU series control unit
Load capacity			
Incandescent, LED & CFL	0 to 1800 watts	20A, 100-277V AC, 1HP @ 120V AC,	0 to 1800 watts
120V ballast	0 to 2400 watts	2HP @ 240/277V AC	0 to 2400 watts
230V ballast	N/A	Motor Loads:	0 to 3680 watts
277V ballast	0 to 5540 watts	1HP @ 120V	0 to 5540 watts
347V ballast	N/A	2HP @ 240/277V	0 to 5205 watts
AT sensor/AAR capacity	1 to 4 combined	1 to 6 combined	N/A
Agency approvals	UL Listed, cULus Certified	UL Listed, cULus Certified	UL Listed
Physical			
Housing	Flame retardant UL 94-5VA thermoplastic	Flame retardant UL 94-5VA thermoplastic	Flame retardant UL 94-5VA thermoplastic
Dimensions	3.69"L x 2.33"W x 1.36"H	4.00"L x 3.4"W x 1.73"H	3.69"L x 2.33"W x 1.36"H
Color	Black	Black	Black
Environmental			
Operating	32°F to 104°F (0°C to 40°C), 0% to 90% non-condensing relative humidity	-40°F to 149°F (-40°C to 65°C), below 32°F (0°C) must use suitably rated non-metallic enclosure, 0% to 90% humidity, non-condensing	32°F to 104°F (0°C to 40°C), 0% to 90% non-condensing relative humidity
Storage	-20°F to 150°F (-29°C to 65°C), 0% to 90% non-condensing relative humidity		-20°F to 150°F (-29°C to 65°C), 0% to 90% non-condensing relative humidity

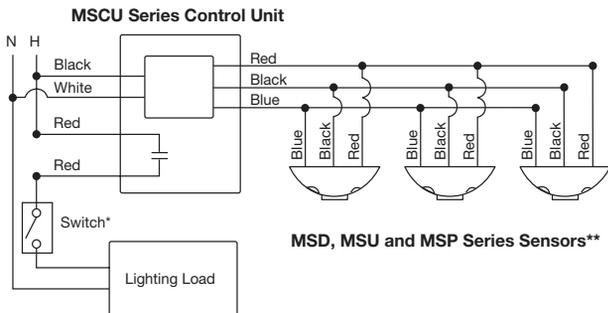
# Occupancy Sensors and Lighting Controls

## Ceiling and Wall Mount Sensors Wiring Schematics

Adaptive Dual Technology, Ultrasonic, and Passive Infrared Ceiling and Wall Mount Sensors  
MSD, MSU and MSP Series Ceiling and Wall Mount Sensors

### Single Circuit Application:

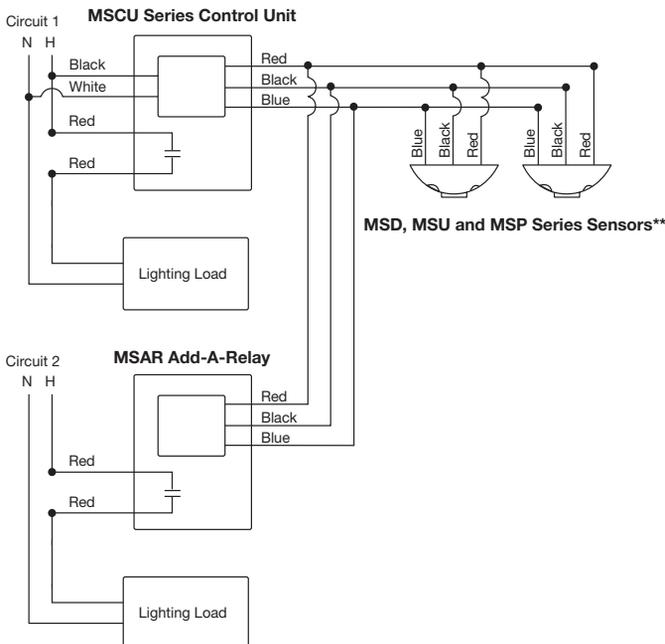
1 to 4 sensors wired to control unit with optional override off switch.



\*Optional Override OFF Switch

### Two Circuit Application:

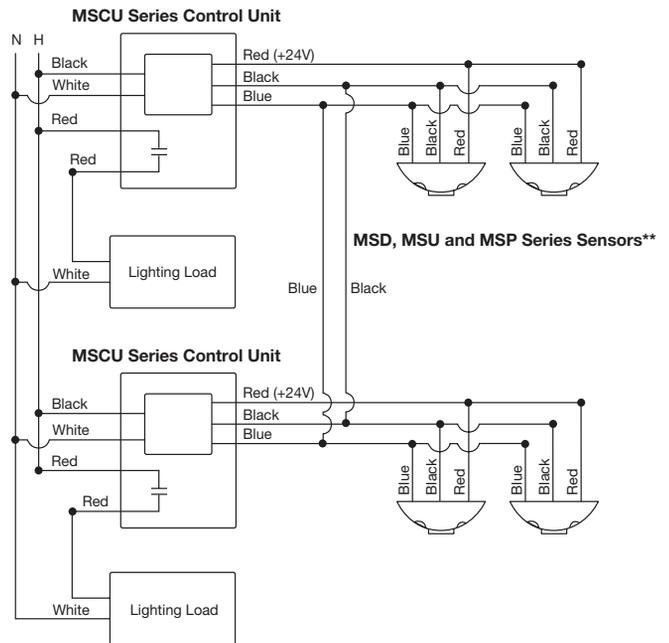
1 to 4 sensors wired to control unit and Add-A-Relay (control unit switches circuit 1, Add-A-Relay switches circuit 2).



Note: \*\*For wiring sensors with isolated relay and photocell option (models with "RP" suffix): Photocell Option: Cap off Blue sensor wire. Connect Gray sensor wire to Blue control unit wire. Isolated Relay Option: Common-Blue/White wire, Normally Closed-Black/White wire, Normally Open-Yellow/White wire.

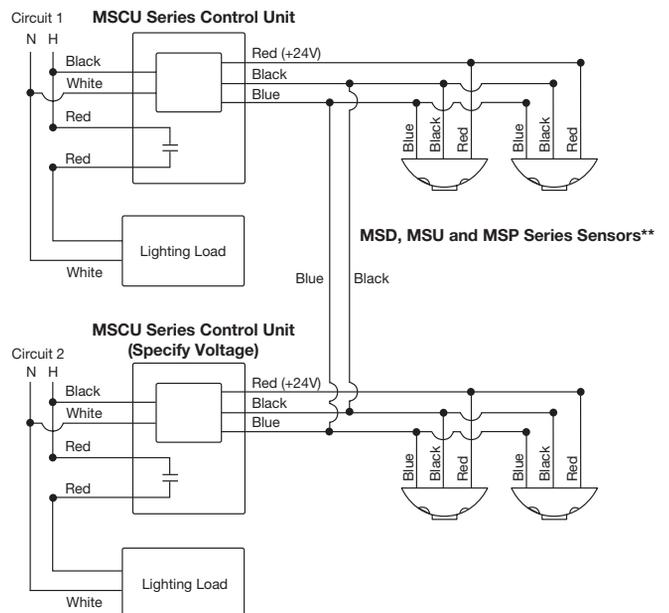
### Single Circuit Application:

Two control units wired in parallel to operate 5 to 8 sensors in a single zone. Maximum 4 sensors per control unit any sensor will activate lighting.



### Two Circuit Application:

Two control units wired in two circuits to operate 2 to 8 sensors in a single zone. Maximum 4 sensors per control unit any sensor will activate both lighting loads.



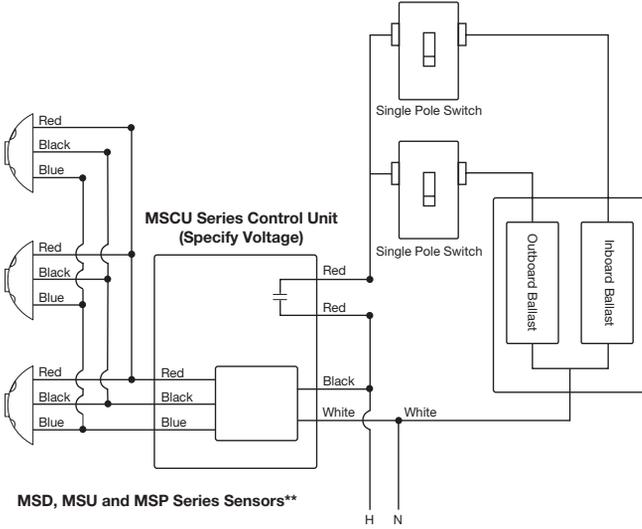
# Occupancy Sensors and Lighting Controls

## Ceiling and Wall Mount Sensors Wiring Schematics

Adaptive Dual Technology, Ultrasonic, and Passive Infrared Ceiling and Wall Mount Sensors  
MSD, MSU and MSP Series Ceiling and Wall Mount Sensors

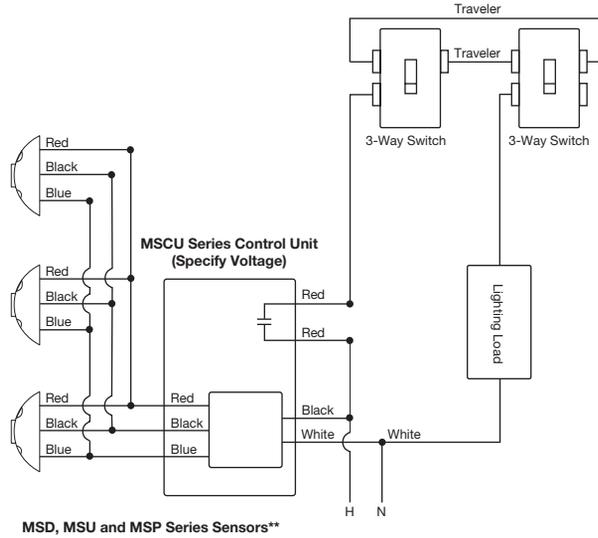
### Single Circuit, Dual Level Switching Application:

1 to 4 sensors wired to control unit with optional override off switches.



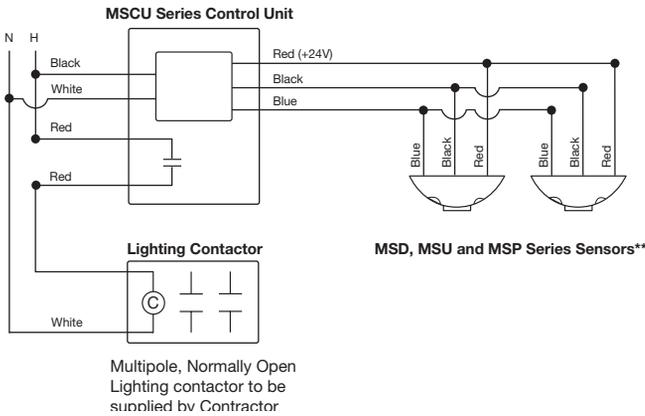
### Single Circuit, 3-Way Switching Application:

1 to 4 sensors wired to control unit with optional override off switches.



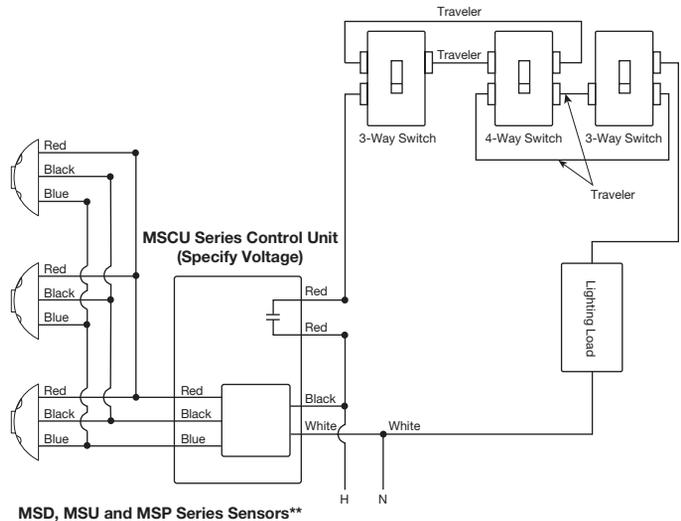
### Multi-Circuit Application:

1 to 4 sensors wired to control unit that is wired to a multi-pole lighting contactor.



### Single Circuit, 4-Way Switching Application:

1 to 4 sensors wired to control unit with optional override off switches.



Note: \*\*For wiring sensors with isolated relay and photocell option (models with "RP" suffix): Photocell Option: Cap off Blue sensor wire. Connect Gray sensor wire to Blue control unit wire. Isolated Relay Option: Common-Blue/White wire, Normally Closed-Black/White wire, Normally Open-Yellow/White wire.

# Occupancy Sensors and Lighting Controls

## Specifications



	OPTIMYZER® High Bay Controls MSHB Series	OPTIMYZER® MSHBxxUPCW Series
User interface	(1) twelve pin dip switch	
Timer timF-outs	Primary: 8-second test mode, 4, 8, 16 and 30 minute timF-outs Secondary: (Can be disabled) 30, 60 and 90 minute timF-outs	
Passive infrared	Dual element pyrometer and spherical Fresnel lens	
Daylight sensor	Dual element pyrometer and spherical Fresnel lens designed for robust detection of a walking person*	
Coverage	360° lens provided, 180° aisle and end-of-aisle lenses also available	
Load ratings (line voltage units)	120V AC: 0 to 800W ballast or tungsten 277V AC: 0 to 1200W ballast 347V AC: 0 to 1500W ballast	208/240V AC: 0 to 1200W ballast 480V AC: 0-2400W ballast 1/4HP motor load @ 120V AC, 1/6HP @ 347V AC
Operating environment	Indoor use only, operating temperature: (standard version) 32°F to 149°F (0°C to 65°C), relative humidity (non-condensing): 0% to 95%	Indoor & outdoor use, operating temperature: -40°F to 149°F (-40°C to 65°C)
Construction	Casing: High-impact injection-molded thermoplastic	
Size and weight	Size: 4.0" Diameter x 1.5" Height, Weight: 7 oz.	
Color	White	
Mounting	Mounts directly to end of a fixture through an extended 1/4" chase nipple for deeper body fixtures, an optional Extender Adapter (MSHBSA available separately) positions the sensor flush or below the bottom of the reflector for a full field of view	
Certifications	cULus Listed	Conforms to UL STD 508, UL STD 244A, Conforms to IP65
Warranty	5 year limited	

Note: \*When used with program start ballast, a 1-2 second delay from occupancy detection to lamp turn-on may be experienced.



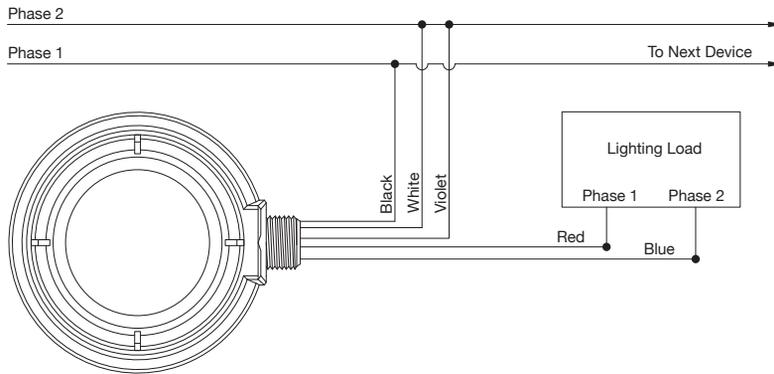
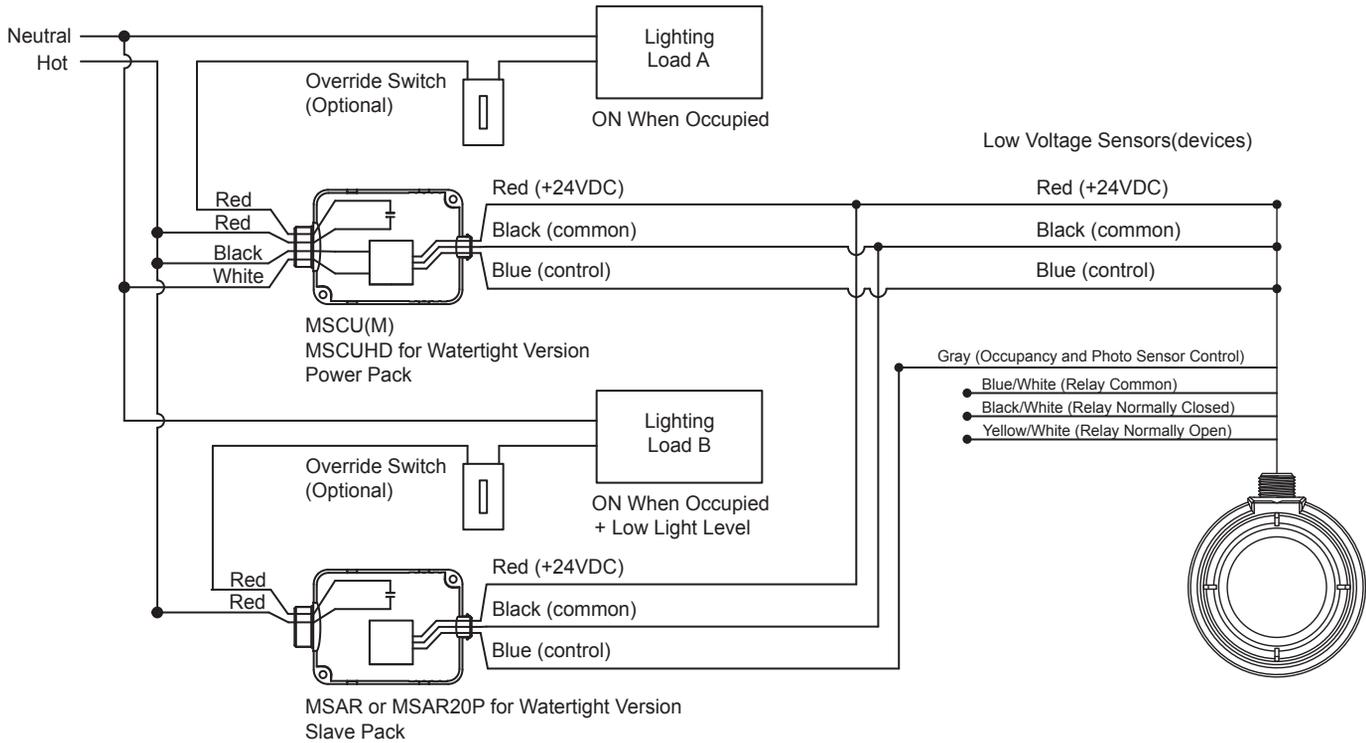
Electrical	Harsh Environment Occupancy Sensors MSHT Series	
Power requirements	24V DC nominal, 33mA from Bryant MSCU series control unit	
Isolated relay (sensors with RP suffix)	Normally open and normally closed, terminals available	
Agency approvals	cULus Listed	
Physical	Ceiling Sensor	Wall Mount Sensor
Housing	Flame retardant UL 94 V-0 ABS	Flame retardant UL 94 V-0 Valox®
Protection	NEMA Type 4X, when used with MSP4X	NEMA Type 4X, IP66, outdoor use rated
Lens	Polyethylene	Polyethylene
Dimensions	4.5" Diameter x 1.5" Height	6"H x 2"W x 1.5"D
Color	Office White	Gray
Mounting height	8 to 12 feet	8 to 12 feet
Environmental		
Operating	-40°F to 149°F (-40°C to 65°C) with rate of change not exceeding 20°F (11°C) per hour, 0% to 95% non-condensing relative humidity	
Controls		
Time delay	Test (8 seconds), adaptive 8 to 40 minutes	
Ambient light	1 to 1000 foot candles	
Sensitivity	Adaptive 0 to 100%	
Sensing Indicators		
Passive infrared	Red LED	

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

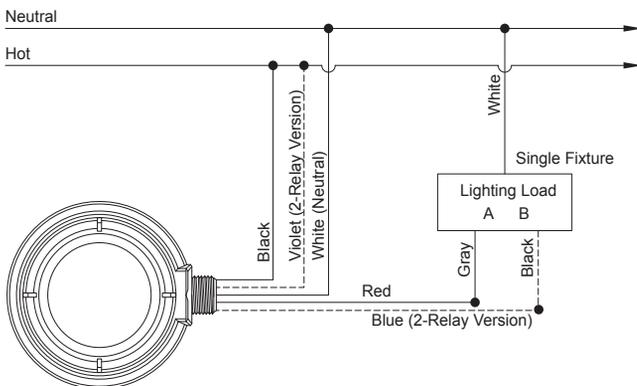
# Occupancy Sensors and Lighting Controls

## Wiring Schematics

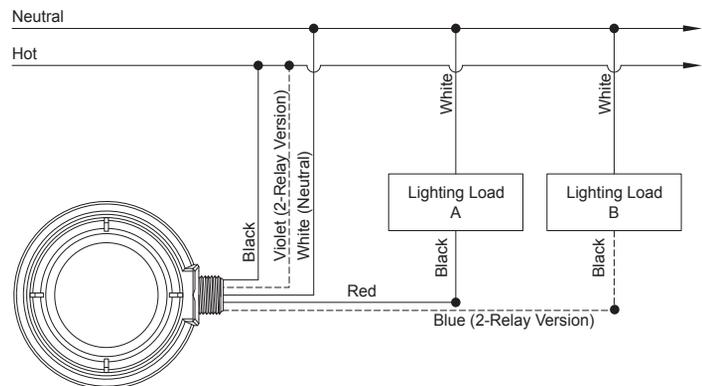
### OPTIMYZER® High Bay Controls MSHB Series, Low Voltage Sensor with Control Unit



### OPTIMYZER® High Bay Controls MSHB Series, Dual Relay, Single Fixture



### OPTIMYZER® High Bay Controls MSHB Series, Dual Relay, Two Fixtures



# Section G

## Motor Control Products

Table of Contents	Page
<b>Toggle AC Manual Motor Controllers/Disconnects</b>	
30, 40, 50, 60 and 85 Amp 600V AC and Accessories . . . . .	G-2
<b>NEMA 1 and 3/3R Enclosed AC Manual Motor Controllers/Disconnects</b>	
30 and 60 Amp 600V AC . . . . .	G-3
<b>Rotary AC Manual Motor Controllers/Disconnects</b>	
30, 40 and 60 Amp 600V AC and Accessories . . . . .	G-4
<b>NEMA 4X Enclosed Rotary Motor Controllers/Disconnects</b>	
30, 40 and 60 Amp 600V AC and Accessories . . . . .	G-5
<b>Quick Reference Guide</b> . . . . .	G-6
<b>Pendant Control Stations</b>	
Ordering Information . . . . .	G-7
Contact Ratings and Wiring Diagram . . . . .	G-7
<b>Technical Specifications</b> . . . . .	G-8



## Toggle AC Manual Motor Controllers/Disconnects

**TECH·SPEC®**



- Ideal motor controller suitable as a disconnect
- High temperature thermoset body
- Provides high resistance to electrical arc tracking
- Strong ON/OFF action with quick-make, slow break operation provides long-life and reliability
- Superior dielectric strength
- Optional side guard, for close wall applications and finger safe environments
- Can be built into equipment and enclosures with either box or panel-mount installation

## Toggle AC Manual Motor Controllers/Disconnects



Poles	HP Rating				30A		40A	50A	60A		85A
	120V AC	240V AC	480V AC	600V AC	Back and Side Wired		Side Wired	Side Wired	Front Wired	Back Wired	Standard Toggle
					Standard Toggle	Short Toggle	Standard Toggle	Standard Toggle	Standard Toggle	Standard Toggle	
2	2	5	10	15	<b>30002D</b>	<b>30002DS</b>	<b>40002D</b>	<b>50002D</b>	—	—	—
2	2	5	10	15	—	—	<b>4002*</b>	—	—	—	—
3	3	7.5	15	20	<b>30003D</b>	<b>30003DS</b>	<b>40003D</b>	<b>50003D</b>	—	—	—
2	—	10	15	20	—	—	—	—	<b>60002FWD</b>	<b>60002D</b>	<b>85002D</b>
3	—	10	25	30	—	—	—	—	<b>60003FWD</b>	<b>60003D</b>	—
3	—	10	25	40	—	—	—	—	—	—	<b>85003D</b>

Note: \*Motor controller only.

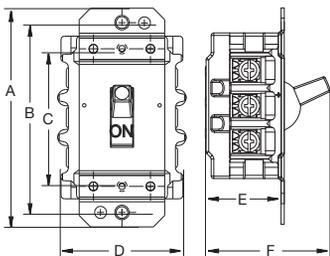
## Accessories

Description	Catalog Number
Finger guards, red, for use with 30, 40 and 50 amp switches (set of 2)	<b>30003FG</b>

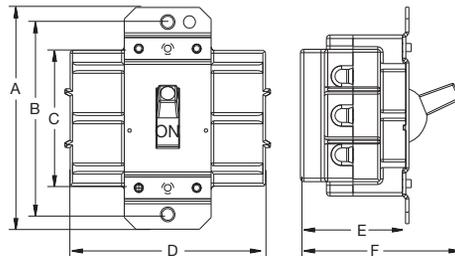


## Product Dimensions Inches (mm)

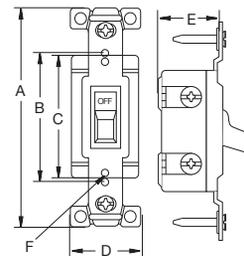
	30002D, 30003D, 40002D, 40003D, 50002D, 50003D	60002D, 60003D, 85002D, 85003D	4002
A	3.78" (96.0)	3.78" (96.0)	4.06" (103.1)
B	3.28" (83.3)	3.28" (83.3)	2.38" (60.5)
C	2.38" (60.4)	2.38" (60.4)	2.26" (57.4)
D	2.25" (57.2)	3.56" (90.4)	1.25" (31.8)
E	1.53" (38.9)	1.92" (48.8)	1.11" (28.2)
F	2.43" (62.0)	2.83" (71.9)	(2) #6-32 TAP



30002D, 30003D, 40002D, 40003D, 50002D, 50003D



60002D, 60003D, 85002D, 85003D



4002



# Motor Control Products

## NEMA 1 and 3/3R Enclosed AC Manual Motor Controllers/Disconnects



- Die cast aluminum enclosure, gray zinc powder coat finish
- Heavy duty flip lid, 3-sided protection
- Lockout/tagout capability



- All aluminum cover and base, base is pre-drilled for rear surface mounting
- Raintight enclosures
- Lockout/tagout capability

### Enclosed AC Manual Motor Controllers/Disconnects

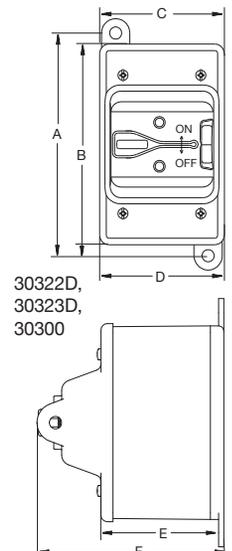
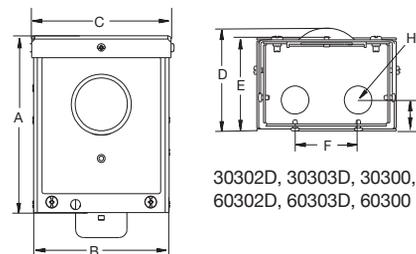
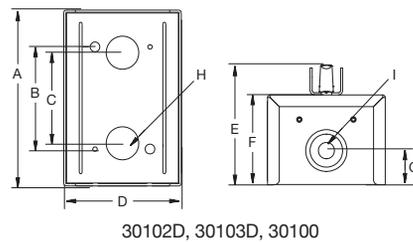


Enclosed Switch Motor Controllers/Disconnects					NEMA 1	NEMA 3/3R		NEMA 3R	
Ideal for use in:					Indoor Environments	Outdoor Equipment		Outdoor Environments	
Poles	HP Rating				30A	30A		30A	60A
	120V AC	240V AC	480V AC	600V AC		Thermoplastic	Aluminum Cast		
2	2	5	10	15	<b>30102D</b>	<b>30322D*</b>	<b>30312D</b>	<b>30302D</b>	—
3	3	7.5	15	20	<b>30103D</b>	<b>30323D*</b>	<b>30313D</b>	<b>30303D</b>	—
2	—	10	15	20	—	—	—	—	<b>60302D</b>
3	—	10	25	30	—	—	—	—	<b>60303D</b>
Enclosures Without Controller/Disconnect					<b>30100</b>	<b>30300</b>		<b>30300</b>	<b>60300</b>

Note: \*Drill weephole to alter from NEMA 3 to NEMA 3R.

### Product Dimensions Inches (mm)

	30102D, 30103D, 3100	30322D, 30323D	30302D, 30303D, 30300	60302D, 60303D, 60300
A	4.72" (120.0)	5.42" (137.7)	5.52" (140.2)	10.11" (256.8)
B	2.75" (69.8)	4.76" (120.9)	4.28" (108.7)	4.28" (108.7)
C	2.44" (61.9)	2.99" (75.9)	4.40" (111.8)	4.40" (111.8)
D	3.20" (81.2)	2.22" (56.4)	3.30" (83.3)	3.30" (83.8)
E	3.15" (80.0)	4.55" (115.6)	2.75" (69.9)	2.75" (69.9)
F	2.41" (61.3)	2.99" (75.9)	1.99" (50.5)	2.00" (50.8)
G	0.92" (23.2)	—	1.06" (26.9)	1.52" (38.6)
H	(2) ½ (12.7) Knockouts	—	(2) ½ Knockouts	(2) ½ 1 Knockouts
I	¼ 1 Knockout each end	—	—	—





- Ideal motor controller suitable as a disconnect
- Rotary controllers can be built into equipment and enclosures for either box or panel-mount installation
- Provides high resistance to electrical arc tracking
- Thermoset body withstands high temperatures
- Superior dielectric strength
- #10 brass terminal screw and clamping plate for secure back or side wiring
- Optional side guard, for close wall applications and finger safe environments

### Rotary AC Manual Motor Controllers/Disconnects



Poles	HP Rating				30A	40A	60A
	120V AC	240V AC	480V AC	600V AC	Back and Side Wired	Side Wired	Back Wired
2	2	5	10	15	<b>66032D</b> <b>66033D</b>	<b>66042D</b> <b>66043D</b>	—
3	3	7.5	15	20	—	—	<b>66062D</b> <b>66063D</b>
2	—	10	15	20	—	—	—
3	—	10	25	30	—	—	—

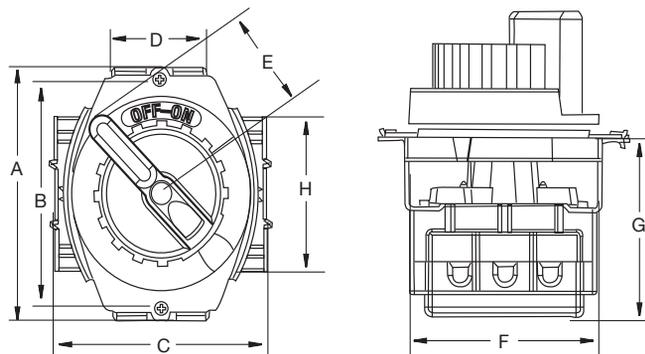
### Accessories



Accessory	Finger Guards	Handle Kit	Weatherproofing Kit	Auxiliary Contact
Description	For use with 30-50A switches (set of 2)	For rotary switch, includes handle, shaft, mounting brackets and required screws	For rotary switch, includes 4 seals, neoprene bushing and 3 "O" rings	NO/NC, includes 1 contact for use with push-on terminals
Catalog Number	<b>30003FG</b>	<b>6610MK</b>	<b>664XWP</b>	<b>660AC</b>

### Product Dimensions Inches (mm)

	66032D, 66033D, 66042D, 66043D with Handle Kit 6610MK	66062D, 66063D with Handle Kit 6610MK
A	3.78" (96.0)	3.78" (96.0)
B	3.40" (86.4)	3.40" (86.4)
C	3.09" (78.5)	3.56" (90.3)
D	1.50" (38.1)	1.50" (38.1)
E	1.56" R. (39.6 R.)	1.56" R. (39.6 R.)
F	2.81" (71.4)	2.81" (71.4)
G	2.44" (61.9)	2.96" (75.2)
H	—	2.31" (58.7)



# Motor Control Products

## NEMA 4X Enclosed Rotary Motor Controllers/Disconnects



- 304 stainless steel enclosure, chemical and corrosion-resistant
- PBT handle and collar, chemical and impact resistant
- Lockout/tagout capability

- Undrilled case allows custom placement of entry positions with normal tools and knockouts
- All thermoplastic, non-corrosive, non-metallic enclosure
- Clearly identified "ON/OFF" indicators



### Enclosed Rotary Motor Controllers/Disconnects



					NEMA 4X				
					Stainless steel enclosures ideal for use in environments where washdown is necessary (i.e., food processing, laboratories, etc.)		Non-metallic enclosures used primarily in heavy wash-down and corrosive environments		
Poles	HP Rating				30A	60A	30A	40A	60A
	120V AC	240V AC	480V AC	600V AC					
2	2	5	10	15	—	—	—	—	—
3	3	7.5	15	20	<b>664S33D</b>	—	<b>664X33D</b>	<b>664X43D</b>	—
3	—	10	25	30	—	<b>664S63D</b>	—	—	<b>664X63D</b>

Note: \*Drill weephole to alter from NEMA 3 to NEMA 3R.

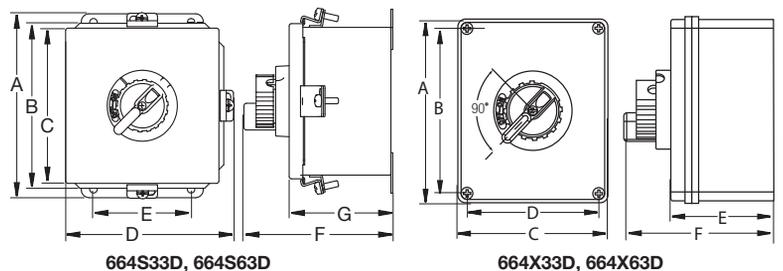
### Accessories



Accessory	Finger Guards	Auxiliary Contact	Mounting Feet	Neutral Buss Connector
Description	For Use with 30-50A Switches (set of 2)	NO/NC, Pilot Duty	For NEMA 4X Enclosure	For NEMA 4X Enclosure
Catalog Number	<b>30003FG</b>	<b>660AC</b>	<b>664XFT</b>	<b>6603N</b>

### Product Dimensions

	664S33D	664S63D	66X33D, 66X43D	66X63D
A	7.44" (189.0)	9.44" (239.8)	6.70" (170.2)	9.00" (228.6)
B	6.75" (171.5)	8.75" (222.3)	6.00" (152.4)	8.30" (210.8)
C	6.00" (152.4)	8.00" (203.4)	5.50" (139.7)	5.50" (139.7)
D	6.96" (176.8)	6.95" (176.5)	4.80" (121.9)	4.80" (121.9)
E	4.00" (101.6)	4.00" (101.6)	5.55" (141.0)	5.55" (141.0)
F	6.10" (154.9)	6.10" (154.9)	3.80" (96.5)	3.80" (96.5)
G	4.25" (108.0)	4.25" (108.0)	—	—



Valox® is a registered trademark of SABIC Innovative Plastics, acquired from General Electric Company.



### Toggle AC Motor Controllers Suitable as Disconnects

Description	Amp	Phase	Poles	HP Ratings				Catalog Number
				120V AC	240V AC	480V AC	600V AC	
Toggle switch	30	1	2	2	5	10	15	30002D
Short toggle switch	30	1	2	2	5	10	15	30002DS
Toggle switch	30	3	3	3	7.5	15	20	30003D
Short toggle switch	30	3	3	3	7.5	15	20	30003DS
Toggle switch	40	1	2	2	5	10	15	40002D*
Toggle switch	40	3	3	3	7.5	15	25	40003D
Toggle switch	50	1	2	2	5	10	15	50002D
Toggle switch	50	3	3	3	7.5	15	25	50003D
Toggle switch	60	1	2	-	10	15	20	60002D
Toggle switch	60	3	3	-	10	25	30	60003D
Toggle switch – front wire	60	1	2	-	10	15	20	60002FWD
Toggle switch – front wire	60	3	3	-	10	25	30	60003FWD
Toggle switch	85	1	2	-	10	15	20	85002D
Toggle switch	85	3	3	-	10	25	40	85003D

Note: \*For motor controller only, use catalog number 4002.

### Rotary AC Manual Motor Controllers Suitable as Disconnects

Description	Amp	Phase	Poles	HP Ratings				Catalog Number
				120V AC	240V AC	480V AC	600V AC	
Rotary switch	30	1	2	2	5	10	15	66032D
Rotary switch	30	3	3	3	7.5	15	20	66033D
Rotary switch	40	1	2	2	5	10	15	66042D
Rotary switch	40	3	3	3	7.5	15	25	66043D
Rotary switch	60	1	2	-	10	15	20	66062D
Rotary switch	60	3	3	-	10	25	30	66063D

### Toggle And Rotary Enclosed Switches Suitable as Disconnects

Description	Amp	Phase	Poles	HP Ratings				Catalog Number
				120V AC	240V AC	480V AC	600V AC	
NEMA 1 aluminum – toggle	30	1	2	2	5	10	15	30102D
NEMA 1 aluminum – toggle	30	3	3	3	7.5	15	20	30103D
NEMA 3/3R non-metallic	30	1	2	2	5	10	15	30322D
NEMA 3/3R non-metallic	30	3	3	3	7.5	15	20	30323D
NEMA 3R die cast aluminum	30	1	2	2	5	10	15	30312D
NEMA 3R die cast aluminum	30	3	3	3	7.5	15	20	30313D
NEMA 3R aluminum	30	1	2	2	5	10	15	30302D
NEMA 3R aluminum	30	3	3	3	7.5	15	20	30303D
NEMA 3R aluminum	60	1	2	-	10	15	20	60302D
NEMA 3R aluminum	60	3	3	-	10	25	30	60303D
NEMA 4X stainless steel	30	3	3	3	7.5	15	20	664S33D
NEMA 4X stainless steel	60	3	3	-	10	25	30	664S63D
NEMA 4X rotary motor controller	30	3	3	3	7.5	15	20	664X33D
NEMA 4X rotary motor controller	40	3	3	3	7.5	15	20	664X43D
NEMA 4X rotary motor controller	60	3	3	-	10	25	30	664X63D

### Accessories

Description	Catalog Number
Finger guards, red, for use with 30, 40 and 50 amp switches (set of 2)	30003FG
Handle kit for rotary switch, includes handle, shaft, mounting brackets and required screws	6610MK
Weatherproofing kit for rotary switch, includes 4 seals, neoprene bushing and 3 "O" rings	664XWP
Auxiliary contact NO/NC, includes 1 contact for use with push-on terminals	660AC
Mounting feet for NEMA 4X enclosure	664XFT
Neutral buss connector for NEMA 4X enclosure	6603N

## Pendant Control Stations



- Compact size, designed for comfort fit
- Raised button guards
- Safety-yellow “Super-Tuff” polymer enclosure
- Heavy duty nickel-plated copper contacts
- Mechanical interlock on single- and two-speed stations
- “Saddle” type wire terminations
- Excellent strain relief

**IP55**  
SUITABILITY

## Pendant Control Stations, Two Button, NEMA 4X



Ideal for use on outdoor equipment.	With Mechanical Interlock Between Push Buttons		Normally Open-Normally Closed Without Mechanical Interlock
	Single-Speed	Two-Speed	Single-Speed
	<b>PCS002</b>	<b>PCS202</b>	<b>PCS102</b>

Note: Included with product: nylon cord grip and sealing washer (must be installed to achieve NEMA 4X rating).  
 Indication label pack. Cord dia. range .375–.625 in. (9.5–15.9).  
 Ambient temperatures: 25°F to 140°F (32°C to 60°C).  
 Typical applications: Package electric motor hoists. Remote control of machinery.

## Contact Ratings - Compact Pendant Push Button Stations, PCS Series

	Single-Speed		Two-Speed	
	Voltage	Current	Voltage	Current
AC	120V	6.0 Amp	120V	3.0 Amp
35% power factor	240V	3.0 Amp	240V	1.5 Amp
DC	125V	1.1 Amp	–	–
Inductive	250V	0.55 Amp	–	–

Note: Contacts will carry the above currents on a continuous basis and have the same interrupting ratings.

## Wiring Diagram

### Single-Speed\* PCS002

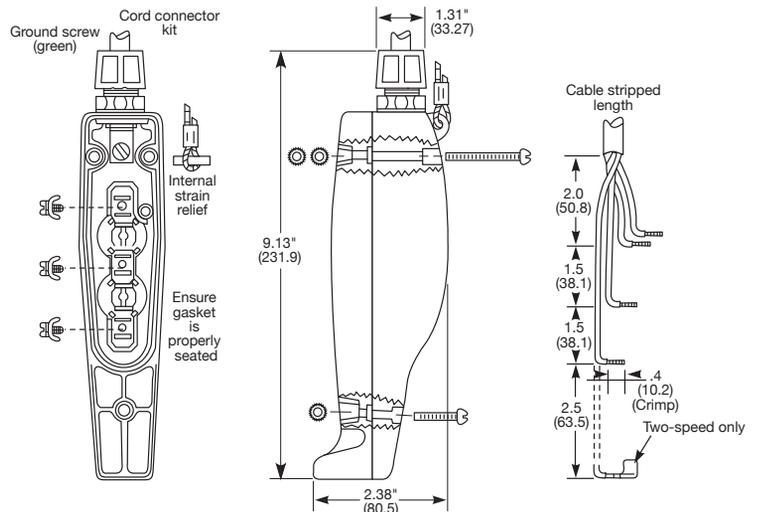


### Two-Speed\* PCS202



Note: \*Mechanical “floating ball” interlock prevents actuating both push buttons simultaneously.

### Momentary (Start/Stop) PCS102



# Motor Control Products

## Technical Specifications – Controllers/Disconnects and Enclosures

### AC Manual Toggle and Rotary Motor Controllers/Disconnects

#### Certification

UL 508	Industrial Control Equipment File #E70402
CSA-C22.2 No.14	Industrial Control Equipment File #LR-46186

#### Performance

Electrical		
Dielectric voltage	2,200V AC minimum for 1 minute	
Electrical life	6,000 cycles at general rating load	
Max working voltage	600V AC RMS	
	Controllers	10,000 Rms
Short circuit	30A and 40A	60A max J fuses
Withstand rating	50A	50A max J fuses
As motor disconnect	60A and 85A	80A max J fuses
Short circuit withstand rating as motor controller	All controllers	125A max RK5 fuses

#### Mechanical

Mechanical life	10,000 cyc min.		
Terminal accommodations	Amps	AWG Minimum	AWG Maximum
	30	#14	#10
	40 and 50	#14	# 8 - with UL listed ring terminal
	60 and 85	#14	# 4
Terminal torque	30 - 50	20 inch pounds	
	60 - 85	25 inch pounds	

#### Environmental

Flammability	UL94HB/V
Operating temperature	Maximum continuous 30, 40 and 60A, 60°C
	Maximum continuous 50 and 85A, 75°C
	Minimum continuous without impact, -40°C

# Section H

## Locking Devices

Table of Contents	Page
<b>NEMA Configuration Chart</b> .....	H-2
<b>Product Features</b>	
Triple Gripper® Locking Plug and Connector and Locking Receptacle .....	H-3
20 Amp Receptacle and Equipment Devices .....	H-3
<b>15 Amp NEMA Locking Devices</b>	
Midget .....	H-4
125V, 2-Pole 2-Wire .....	H-5
125V, 250V and 277V AC, 2-Pole 3-Wire Grounding .....	H-6
<b>20 Amp NEMA Locking Devices</b>	
250V, 2-Pole 2-Wire .....	H-5
125V, 250V, 277V AC, 480V AC and 600V AC, 2-Pole 3-Wire Grounding .....	H-8
3Ø 125/250V AC, 250V AC and 3Ø 480V AC, 3-Pole 3-Wire and 3-Pole 4-Wire .....	H-9
3ØY 120/208V AC, 3ØY 277/480V AC and 3ØY 347/600V AC, 4-Pole 4-Wire and 4-Pole 5-Wire .....	H-10
<b>30 Amp NEMA Locking Devices</b>	
125V, 250V, 277V AC, 480V AC and 600V AC, 2-Pole 3-Wire Grounding .....	H-11
125/250V AC, 3Ø 250V AC, 3Ø 480V AC and 3Ø 600V AC, 3-Pole 3-Wire and 3-Pole 4-Wire .....	H-12
3ØY 120/208V AC, 3ØY 277/480V AC and 3ØY 347/600V AC, 4-Pole 4-Wire and 4-Pole 5-Wire .....	H-13
<b>400Hz 20 and 30 Amp Locking Devices</b>	
20 Amp 400 Hertz 3ØY 120/208V, 4-Pole 5-Wire Grounding .....	H-14
30 Amp 28V DC, 400 Hertz 120V, 400 Hertz 3ØΔ 120V and 400 Hertz 3ØY 120/208V .....	H-14
<b>Non-NEMA Locking Devices</b>	
10 Amp 250V and 15 Amp 125V .....	H-15
20 Amp 125/250V, 250V AC and 3ØY 120/208V AC .....	H-16
30 Amp 125/250V, 3ØY 120/208V and 250V AC .....	H-17
<b>Locking Kits, Accessories and Boots</b>	
Locking Kits – Pool Pump Kit and Generator Kit .....	H-18
Angle Adapters and PLUGBOX® Lockout Devices .....	H-19
Weather Protective Boots .....	H-20
<b>50 Amp Locking Devices</b>	
125V, 250V, 480V AC, 125/250V AC, 3Ø 250V AC and 3Ø 480V AC .....	H-21
250V DC and 600V AC .....	H-22
Accessories – Wallplates, Weatherproof Plates and Boots .....	H-23
<b>Power Interrupting Locking Devices</b>	
20 Amp 125V AC or DC and 10 Amp 250V DC, 480V AC .....	H-24
30 Amp 600V AC, 20 Amp 250V DC .....	H-25
60 Amp 600V AC .....	H-26
Accessories .....	H-27
<b>Technical Specifications</b>	
Locking Receptacles, Plugs and Connectors .....	H-28



# Locking Devices

## NEMA® Configuration Chart

			15 Ampere		20 Ampere		30 Ampere		
			Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	
2-Pole 2-Wire	125V	ML1	H-4 ML-1R 	H-4 ML-1P 					
	125V	L1	H-5 L1-15R 	H-5 L1-15P 					
	250V	L2			H-5 L2-20R 	H-5 L2-20P 			
2-Pole 3-Wire Grounding	125V	ML2	H-4 ML-2R 	H-4 ML-2P 					
	125V	L5	H-6, H-7 L5-15R 	H-6 L5-15P 	H-8, H-18 L5-20R 	H-8 L5-20P 	H-11 L5-30R 	H-11 L5-30P 	
	250V	L6	H-6, H-7 L6-15R 	H-6 L6-15P 	H-8 L6-20R 	H-8 L6-20P 	H-11 L6-30R 	H-11 L6-30P 	
	277V AC	L7	H-6, H-7 L7-15R 	H-6 L7-15P 	H-8 L7-20R 	H-8 L7-20P 	H-11 L7-30R 	H-11 L7-30P 	
	480V AC	L8			H-8 L8-20R 	H-8 L8-20P 	H-11 L8-30R 	H-11 L8-30P 	
	600V AC	L9			H-8 L9-20R 	H-8 L9-20P 	H-11 L9-30R 	H-11 L9-30P 	
	28V DC	FSL1					H-14 FSL1 	H-14 FSL1 	
	400Hz 120V	FSL2					H-14 FSL2 	H-14 FSL2 	
	3-Pole 3-Wire	125/250V AC	ML3	H-4 ML-3R 	H-4 ML-3P 				
		125/250V AC	L10			H-9 L10-20R 	H-9 L10-20P 	H-12 L10-30R 	H-12 L10-30P 
3Ø 250V AC		L11			H-9 L11-20R 	H-9 L11-20P 	H-12 L11-30R 	H-12 L11-30P 	
3Ø 480V AC		L12			H-9 L12-20R 	H-9 L12-20P 	H-12 L12-30R 	H-12 L12-30P 	
3Ø 600V AC		L13					H-12 L13-30R 	H-12 L13-30P 	
3-Pole 4-Wire Grounding	125/250V AC	L14			H-9 L14-20R 	H-9 L14-20P 	H-12, H-18 L14-30R 	H-12 L14-30P 	
	3Ø 250V AC	L15			H-9 L15-20R 	H-9 L15-20P 	H-12 L15-30R 	H-12 L15-30P 	
	3Ø 480V AC	L16			H-9 L16-20R 	H-9 L16-20P 	H-12 L16-30R 	H-12 L16-30P 	
	3Ø 600V AC	L17					H-12 L17-30R 	H-12 L17-30P 	
	400Hz 3Ø 120V	FSL3					H-14 FSL3 	H-14 FSL3 	
4-Pole 4-Wire	3ØY 120/208V AC	L18			H-10 L18-20R 	H-10 L18-20P 	H-13 L18-30R 	H-13 L18-30P 	
	3ØY 277/480V AC	L19			H-10 L19-20R 	H-10 L19-20P 	H-13 L19-30R 	H-13 L19-30P 	
	3ØY 347/600V AC	L20			H-10 L20-20R 	H-10 L20-20P 	H-13 L20-30R 	H-13 L20-30P 	
4-Pole 5-Wire Grounding	3ØY 120/208V AC	L21			H-10 L21-20R 	H-10 L21-20P 	H-13 L21-30R 	H-13 L21-30P 	
	3ØY 277/480V AC	L22			H-10 L22-20R 	H-10 L22-20P 	H-13 L22-30R 	H-13 L22-30P 	
	3ØY 347/600V AC	L23			H-10 L23-20R 	H-10 L23-20P 	H-13 L23-30R 	H-13 L23-30P 	
	400Hz 3ØY 120/208V	FSL4					H-14 FSL4 	H-14 FSL4 	

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

# Locking Devices

## Product Features

TECH-SPEC®



### Triple Gripper® Locking Plug

- Hand grip features wide-rib, non-slip design
- Configuration-specific plug face surrounds blades to prevent infiltration of contaminants
- Captive, combination Slot/Phillips assembly screws
- Double wall construction for extra durability
- Neutral blade is nickel-plated for easy identification

### Triple Gripper® Locking Connector

- Face and body feature alignment keys for easy assembly
- Amperage, voltage and NEMA configuration imprinted on face for easy identification
- Impact/chemical resistant, toughened nylon construction



### Locking Receptacle

- Combination back and side wiring terminals accept #14 through #8 AWG solid or stranded conductors
- Heavy duty mounting straps are nickel-plated to resist corrosion, wide width design assures secure assembly
- NEMA rating and configuration are molded into face for easy identification
- One-piece, rivetless copper-alloy contact design reduces heat buildup and provides secure blade retention

#### Contact



High-performance copper-alloy contacts have excellent conductivity and spring properties to provide superior contact pressure.

#### EPDM Dust Seal



Resilient dust seal surrounds cord, helping to prevent moisture and contaminants from entering wiring chamber.

#### Triple Gripper®



Internal "self-centering" Triple Gripper® cord grip with "radius teeth" design provides secure cord retention.

#### Terminal Cover



Transparent terminal cover, extended "teardrop" wiring pockets and backed out "captive" terminal screws simplify wiring.

#### Angle Adapter



Nylon angle adapter (70204ANA) converts 20A and 30A nylon locking plugs and connectors into space-saving angle devices.

# Locking Devices

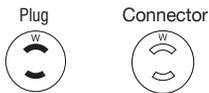


## Midget 15 Amp Locking Devices

### Midget 15A 125V Locking Devices Inches (mm)



Rating	Poles/ Wires	Cord Diameter	Color	Nylon with Non-metallic Cord Grip, Plugs are Polarized		Flanged Devices Equipment Base with Nylon White Cup	
				Plug	Connector	Male	Female
NEMA ML1, 15A 125V	2-Pole 2-Wire	.220-.425" (5.6-10.8)	Black/White Black	<b>7465N</b> <b>7465NB</b>	<b>7464N*</b> <b>7464NB*</b>	<b>7466N</b> —	<b>7468N*</b> —

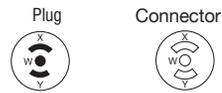
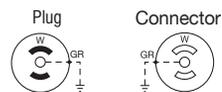


Note: \*Will accommodate both polarized and nonpolarized plugs.  
See page H-20 for weather protective boots for midget locking devices.

### Midget 15A 125V and 125/250V Locking Devices Inches (mm)



Rating	Poles/ Wires	Cord Diameter	Color	Nylon with Quad Gripper® Cord Grip		Flanged Devices Equipment Base with Nylon White Cup	
				Plug	Connector	Male	Female
NEMA ML2, 15A 125V	2-Pole 3-Wire	.281"-.625" (7.1-15.9)	Black/White	<b>7594NP</b>	<b>7593NC</b>	<b>7595MB</b>	<b>7596ER</b>
NEMA ML3, 15A 125/250V	3-Pole 3-Wire	.281"-.625" (7.1-15.9)	Black/White	<b>7485NP</b>	<b>7484NC</b>	<b>7486MB</b>	<b>7487ER</b>

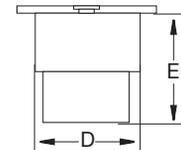
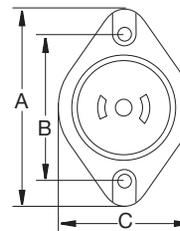
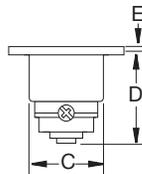
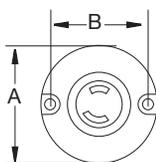
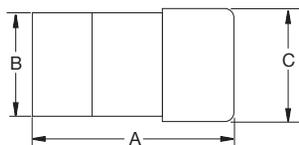
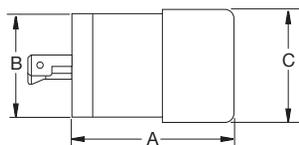


Note: See page H-20 for weather protective boots for midget locking devices.

### Product Dimensions Inches (mm)

Plug	Connector
A 1.60" (40.6)	2.15" (54.6)
B 1.12" (28.4)	1.12" (28.4)
C 1.25" (31.8)	1.25" (31.8)

	Flanged Devices		
	7466N	7468N	MB/ER Series
A	1.63" (41.4)	1.63" (41.4)	2.06" (52.3)
B	1.38" (35.1)	1.38" (35.1)	1.75" (44.5)
C	1.08" (27.4)	0.95" (24.1) O.D.	1.62" (41.1)
D	1.19" (30.2)	1.09" (27.7)	1.23" (31.2)
E	0.09" (2.3)	0.09" (2.3)	1.17" (29.7)



# Locking Devices



## 15 and 20 Amp Locking Devices

15A 125V and 20A 250V Locking Devices Inches (mm)



Rating	Poles/ Wires	Cord Diameter	Black/White Nylon Polarized, with Non-metallic Cord Grip		Receptacle Black Phenolic, Back and Side Wired		Flanged Devices Equipment Base with Binding Screw Terminals	
			Plug	Connector	Single	Duplex	Male	Female
NEMA L1-15, 15A 125V Plug      Connector	2-Pole 2-Wire	.296"-.562" (7.5-14.3)	<b>7548</b>	<b>7506</b>	<b>7535</b>	<b>7540</b>	<b>7523</b>	<b>7526</b>
NEMA L2-20, 20A 250V Plug      Connector	2-Pole 2-Wire	.296"-.562" (7.5-14.3)	<b>7102N</b> <b>9102N*</b>	<b>7101**</b>	<b>7210B</b>	—	<b>8808MB</b>	<b>8809ER</b>

Note: \*Plug is black/white nylon with dual non-metallic cord grip.  
\*\*Connector is thermoplastic with cord grip.

## Receptacle Accessories

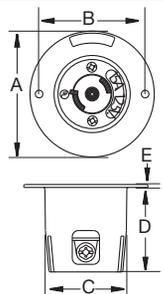
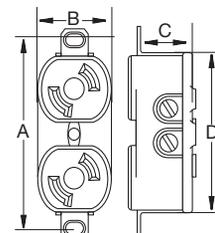
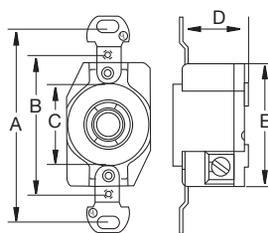
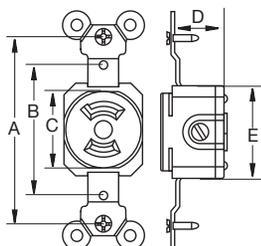
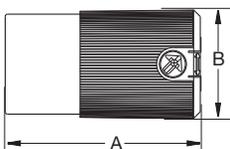
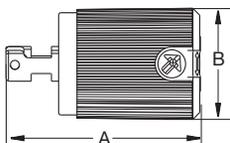


Single Receptacle Wallplate		Duplex Receptacle Wallplate		Weatherproof Covers		
Stainless Steel	Thermoplastic	Stainless Steel	Thermoplastic	Zinc Die Cast	Zinc Die Cast	Thermoplastic
<b>SS7</b>	<b>P7BK</b>	<b>SS8</b>	<b>P8BK</b>	<b>RW51550</b>	<b>RW51470</b>	<b>RW57300</b>

Note: See Section Q for additional information on wallplates and weatherproof covers.

## Product Dimensions Inches (mm)

	Plug	Connector	Receptacle		Flanged Devices
			Single	Duplex	Male/Female
A	1.97" (50.0)	2.78" (70.6)	3.28" (83.3)	3.28" (83.3)	2.56" (65.1)
B	1.53" (38.8)	1.53" (38.8)	2.38" (60.5)	1.50" (38.1)	2.19" (55.6)
C			1.38" (34.9)	0.91" (23.1)	1.69" (42.9)
D			1.00" (25.4)	2.72" (69.1)	1.72" (43.7)
E			15A - 1.39" (35.3)	—	0.06" (1.5)
			20A - 2.09" (53.1)	—	—



# Locking Devices



## 15 Amp Plugs, Connectors and Flanged Devices

15A 125V, 250V and 277V Locking Devices, 2-Pole 3-Wire Grounding Inches (mm)

**TECH-SPEC®**



Rating	Cord Diameter	Description	Nylon Plug Clamp-type Terminals		Nylon Connector Clamp-type Terminals		Flanged Devices Equipment Base with Nylon White Cup	
			Tripple Gripper	Regular	Tripple Gripper	Regular	Male	Female
NEMA L5-15, 15A 125V Plug      Connector	.300"-.655" (7.6-16.6)	Black/White	<b>4721NP</b>	—	<b>4732NC</b>	<b>4730</b>	<b>4716MB</b>	<b>4715ER</b>
		All Black	<b>4721NPB</b>	<b>4726BRY</b>	<b>4732NCB</b>	—	—	—
		Corrosion-Resistant Yellow	<b>4721NPCR</b>	—	<b>4732NCCR</b>	—	—	—
		Angled 12-position Black/White	—	<b>4722N</b>	—	—	—	—
NEMA L6-15, 15A 250V Plug      Connector	.300"-.655" (7.6-16.6)	Black/White	<b>70615NP</b>	—	<b>70615NC</b>	—	<b>70615MB</b>	<b>70615ER</b>
NEMA L7-15, 15A 277V AC Plug      Connector	.300"-.655" (7.6-16.6)	Black/White	<b>4770NP</b>	—	<b>4779NC</b>	—	<b>4786MB</b>	<b>4785ER</b>

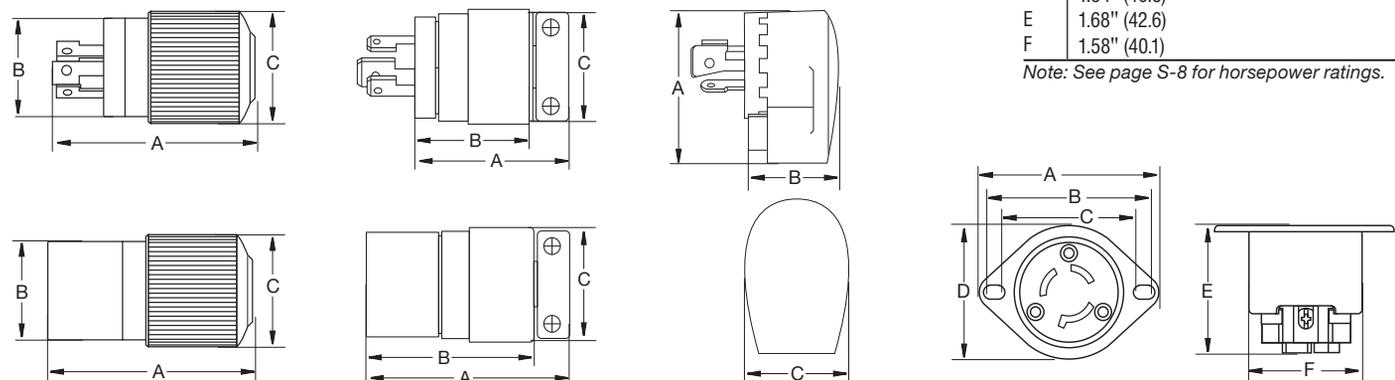
### Weather Protective Boots

Description	For use with	Color	For Use with Plugs	For Use with Connectors
Thermoplastic elastomer boot	7465N plug when used with 7464N connector or 7468N female equipment receptacle, also for use with connector when used with 7466N male base	Black	<b>7460BP</b>	—
	7464N connector when used with 7465N plug	Black	—	<b>7460BC</b>
Neoprene boot	15 amp 2-pole 2-wire and midget locking nylon plugs and connectors, NEMA L1-15, ML-2 and ML-3	Yellow	<b>7400BCR</b>	<b>7400BCR</b>



### Product Dimensions Inches (mm)

Triple Gripper Locking (B/W)		Locking (All Black)		Angled	Flanged Devices	
Plug	Connector	Plug	Connector	Plug	Male/Female	
A 2.18" (55.4)	2.95" (75.0)	2.00" (50.8)	2.78" (70.6)	2.07" (52.6)	A 2.50" (63.5)	
B 1.38" (35.1)	1.38" (35.1)	1.56" (39.6)	2.33" (59.2)	1.30" (33.0)	B 2.19" (55.6)	
C 1.53" (38.9)	1.53" (38.9)	1.53" (38.9)	1.53" (38.9)	1.52" (38.6)	C 2.00" (50.8)	
					D 1.84" (46.8)	
					E 1.68" (42.6)	
					F 1.58" (40.1)	



Note: See page S-8 for horsepower ratings.

# Locking Devices

## 15 Amp Locking Receptacles



15A 125V, 250V and 277V Locking Devices, 2-Pole 3-Wire Grounding Inches (mm)

**TECH-SPEC®**



Rating	Description	Back and Side Wired				
		Duplex Receptacle	Single Receptacle			
		Reinforced Thermoplastic Polyester (RTP)	Nylon	Panel Mount Mounting Hole Center		Mounted on a 4" (101.6) Round Cover
Plug	Connector			1.94" (49.3)	1.75" (44.5)	
NEMA L5-15, 15A 125V	Black	—	4710	4712BRY	4713BRY	4711BRY
	Brown	4700DR	—	—	—	—
	Ivory	4700DRI	—	—	—	—
	Isolated Ground	4700DRIG	4710IG	—	—	—
	Corrosion-Resistant	4700DRCR	4710CR	—	—	—
	Yellow	—	—	—	—	—
NEMA L6-15, 15A 250V	Black	—	70615FR	7061594	7061575	—
	Brown	70615DR	—	—	—	—
	Isolated Ground	70615DRIG	70615IG	—	—	—
	Orange	—	—	—	—	—
NEMA L7-15, 15A 277V AC	Black	—	4760	—	—	4761
	Brown	4750DR	—	—	—	—

Note: See Section D for more information on isolated ground devices and Section J for more information on corrosion-resistant devices.

## Receptacle Accessories



Single Receptacle Wallplate		Duplex Receptacle Wallplate		Weatherproof Covers		
Stainless Steel	Thermoplastic	Stainless Steel	Thermoplastic	Zinc Die Cast	Zinc Die Cast	Thermoplastic
SS7	P7BK	SS8	P8BK	RW51550	RW51470	RW57300

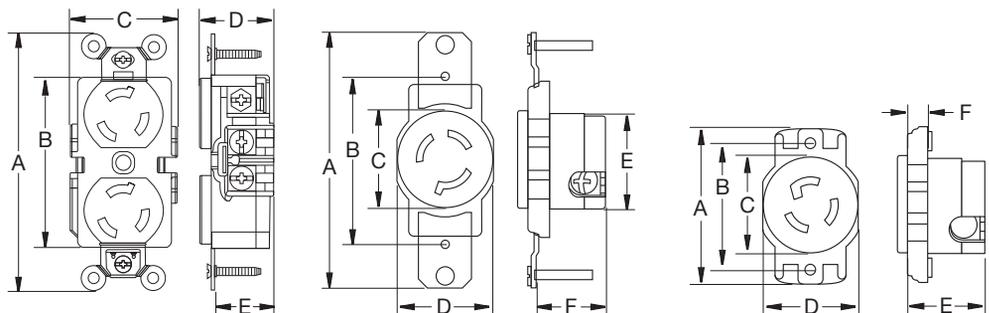
Note: See Section Q for additional information on wallplates and weatherproof covers.

## Product Dimensions Inches (mm)

Receptacle	
Duplex	Single
A 3.28" (83.3)	3.28" (83.3)
B 2.74" (69.6)	2.38" (60.5)
C 1.70" (43.2)	1.38" (35.1)
D 1.17" (29.7)	1.41" (35.8)
E 0.93" (23.6)	1.37" (37.8)
F —	1.01" (25.7)

Panel Mounting	
A 2.38" (60.5)	
B 1.75" (44.5) or 1.94" (49.3)	
C 1.38" (35.1)	
D 1.41" (35.8)	
E 1.09" (27.7)	
F 0.33" (8.4)	



# Locking Devices



## 20 Amp Plugs, Connectors Flanged Devices and Receptacles

20A 125V, 250V, 277V AC, 480V AC and 600V AC Locking Devices,  
2-Pole 3-Wire Grounding Inches (mm)

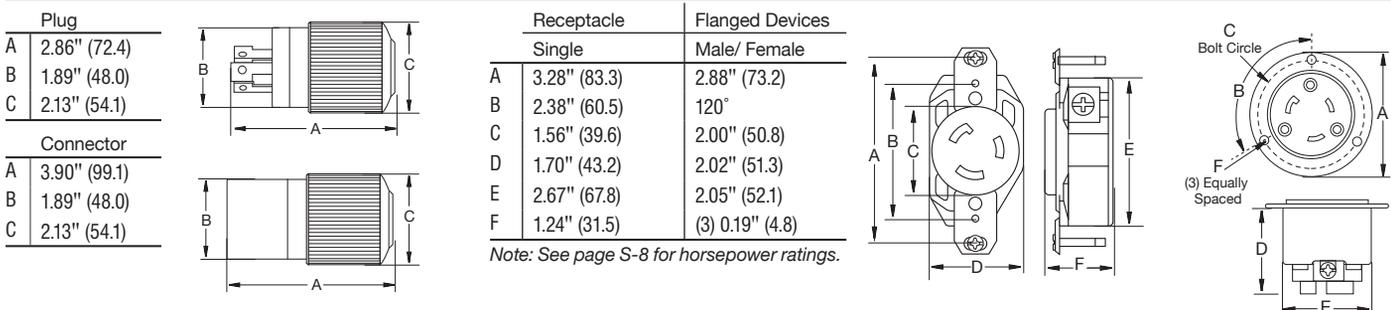
**TECH·SPEC®**



Rating	Cord Diameter	Description	Tripple Gripper		Flanged Devices Equipment Base with Nylon White Cup		Weather Protective Power Inlets Die Cast Aluminum Plate*	Single Nylon Receptacle, All Black
			Nylon Plug	Nylon Connector	Male	Female		
NEMA L5-20, 20A 125V	.300"-.655" (7.6-16.6)	Black/White	<b>70520NP</b>	<b>70520NC</b>	<b>70520MB</b>	<b>70520ER</b>	<b>70520MBWP</b>	—
		All Black	<b>70520NPB</b>	<b>70520NCB</b>	—	—		<b>70520FR</b>
		Corrosion-Resistant Yellow/White	<b>70520NPCR</b>	<b>70520NCCR</b>	—	—		<b>70520FRCR</b>
		Isolated Ground Orange	—	—	—	—	<b>70520IG</b>	
NEMA L6-20, 20A 250V	.300"-.655" (7.6-16.6)	Black/White	<b>70620NP</b>	<b>70620NC</b>	<b>70620MB</b>	<b>70620ER</b>	<b>70620MBWP</b>	<b>70620FR</b>
		Corrosion-Resistant Yellow/White	<b>70620NPCR</b>	<b>70620NCCR</b>	—	—		—
		Isolated Ground Orange	—	—	—	—		<b>70620IG</b>
NEMA L7-20, 20A 277V AC	.300"-.655" (7.6-16.6)	Black/White	<b>70720NP</b>	<b>70720NC</b>	<b>70720MB</b>	<b>70720ER</b>	—	<b>70720FR</b>
NEMA L8-20, 20A 480V AC	.300"-.950" (7.6-24.1)	Black/White	<b>70820NP</b>	<b>70820NC</b>	<b>70820MB</b>	<b>70820ER</b>	—	<b>70820FR</b>
NEMA L9-20, 20A 600V AC	.300"-.950" (7.6-24.1)	Black/White	<b>70920NP</b>	<b>70920NC</b>	<b>70920MB</b>	<b>70920ER</b>	—	<b>70920FR</b>

Note: \*Supplied with gaskets, mounting screws and spring-loaded, self-closing lift cover.  
See Section D for more information on isolated ground devices and Section J for more information on corrosion-resistant devices.  
See page H-20 for weather protective boots for 20 amp nylon locking plugs.

## Product Dimensions Inches (mm)



# Locking Devices

## 20 Amp Plugs, Connectors Flanged Devices and Receptacles

20A 125/250V, 3Ø 250V AC and 3Ø 480V AC Locking Devices,  
3-Pole 3-Wire and 3-Pole 4-Wire Grounding Inches (mm)

**TECH-SPEC®**



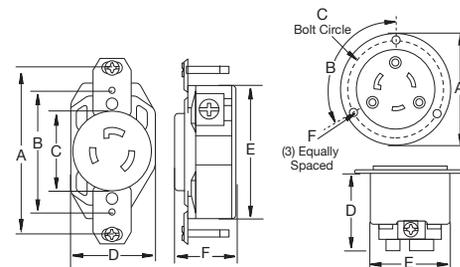
Rating	Poles/ Wires	Cord Diameter	Description	Tripple Gripper		Flanged Devices Equipment Base with Nylon White Cup		Weather Protective Power Inlets Die Cast Aluminum Plate*	Single Nylon Receptacle, All Black
				Nylon Plug	Nylon Connector	Male	Female		
NEMA L10-20, 20A 125/250V AC Plug Connector	3-Pole 3-Wire	.300"-.655" (7.6-16.6)	Black/White	71020NP	71020NC	71020MB	71020ER	—	71020FR
NEMA L11-20, 20A 3Ø 250V AC Plug Connector	3-Pole 3-Wire	.300"-.655" (7.6-16.6)	Black/White	71120NP	71120NC	71120MB	71120ER	—	71120FR
NEMA L12-20, 20A 3Ø 480V AC Plug Connector	3-Pole 3-Wire	.300"-.655" (7.6-16.6)	Black/White	71220NP	71220NC	71220MB	71220ER	—	71220FR
NEMA L14-20, 20A 125/250V AC Plug Connector	3-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	71420NP	71420NC	71420MB	71420ER	71420MBWP	71420FR
			Isolated Ground Orange	—	—	—	—	—	71420IG
NEMA L15-20, 20A 3Ø 250V AC Plug Connector	3-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	71520NP	71520NC	71520MB	71520ER	71520MBWP	71520FR
NEMA L16-20, 20A 3Ø 480V AC Plug Connector	3-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	71620NP	71620NC	71620MB	71620ER	71620MBWP	71620FR

Note: \*Supplied with gaskets, mounting screws and spring-loaded, self-closing lift cover.  
See Section D for more information on isolated ground devices and Section J for more information on corrosion-resistant devices.  
See page H-20 for weather protective boots for 20 amp nylon locking plugs.

### Product Dimensions Inches (mm)

Plug	Receptacle	Flanged Devices	
		Single	71020MB/ER
A 2.86" (72.4)	A 3.28" (83.3)	2.88" (73.2)	3.06" (77.7)
B 1.89" (48.0)	B 2.38" (60.5)	120°	120°
C 2.13" (54.1)	C 1.56" (39.6)	2.50" (63.5)	2.68" (68.1)
	D 1.70" (43.2)	2.02" (51.3)	2.03" (51.6)
	E 2.67" (67.8) 71520FR	2.12" (53.8)	2.16" (54.9)
	2.50" (63.5) 71020FR		
	F 1.14" (29.0) 71520FR	(3) 0.19" (4.8)	(3) 0.19" (4.8)
	0.98" (25.0) 71020FR		

Note: See page S-8 for horsepower ratings.



# Locking Devices



## 20 Amp Plugs, Connectors Flanged Devices and Receptacles

20A 3ØY 120/208V AC, 3ØY 277/480V AC and 3ØY 347/600V AC Locking Devices, 4-Pole 4-Wire and 4-Pole 5-Wire Grounding Inches (mm)

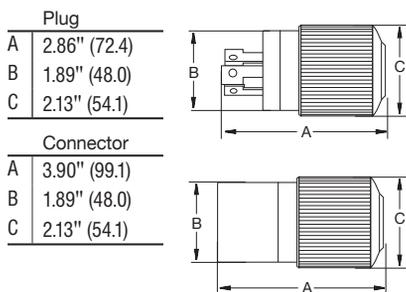
**TECH·SPEC®**



Rating	Poles/ Wires	Cord Diameter	Description	Tripple Gripper		Flanged Devices Equipment Base with Nylon White Cup		Single Nylon Receptacle, All Black
				Nylon Plug	Nylon Connector	Male	Female	
NEMA L18-20, 20A 3ØY 120/208V AC	4-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	71820NP	71820NC	71820MB	71820ER	71820FR
NEMA L19-20, 20A 3ØY 277/480V AC	4-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	71920NP	71920NC	71920MB	71920ER	71920FR
NEMA L20-20, 20A 3ØY 347/600V AC	4-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	72020NP	72020NC	72020MB	72020ER	72020FR
NEMA L21-20, 20A 3ØY 120/208V AC	4-Pole 5-Wire	.465"-1.150" (11.8-29.2)	Black/White All Black Isolated Ground Orange	72120NP 72120NPB	72120NC 72120NCB	72120MB —	72120ER —	— 72120FR 72120IG
NEMA L22-20, 20A 3ØY 277/480V AC	4-Pole 5-Wire	.465"-1.150" (11.8-29.2)	Black/White	72220NP	72220NC	72220MB	72220ER	72220FR
NEMA L23-20, 20A 3ØY 347/600V AC	4-Pole 5-Wire	.465"-1.150" (11.8-29.2)	Black/White	72320NP	72320NC	72320MB	72320ER	72320FR

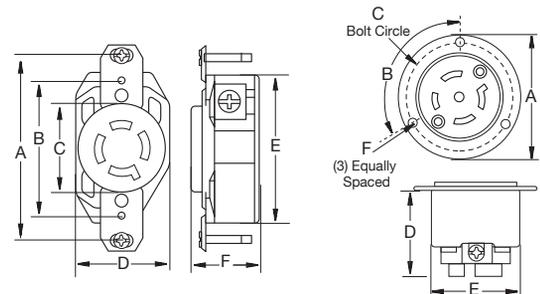
Note: See Section D for more information on isolated ground devices and Section J for more information on corrosion-resistant devices. See page H-20 for weather protective boots for 20 amp nylon locking plugs.

## Product Dimensions Inches (mm)



	Receptacle	Flanged Devices
	Single	Male/ Female
A	3.28" (83.3)	3.06" (77.7)
B	2.38" (60.5)	120°
C	1.56" (39.6)	2.68" (68.1)
D	1.70" (43.2)	2.03" (51.6)
E	2.67" (67.8)	2.16" (54.9)
F	1.24" (31.5)	(3) 0.19" (4.8)

Note: See page S-8 for horsepower ratings.



# Locking Devices



## 30 Amp Plugs, Connectors Flanged Devices and Receptacles

30A 125V, 250V, 277V AC, 480V AC and 600V AC Locking Devices,  
2-Pole 3-Wire Grounding Inches (mm)

**TECH·SPEC®**

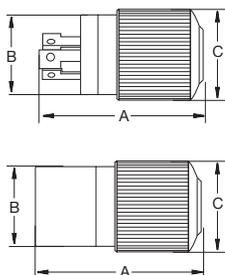


Rating	Cord Diameter	Description	Tripple Gripper		Flanged Devices Equipment Base with Nylon White Cup		Weather Protective Power Inlets Die Cast Aluminum Plate*	Single Nylon Receptacle, All Black
			Nylon Plug	Nylon Connector	Male	Female		
NEMA L5-30, 30A 125V	.300"-.950" (7.6-24.1)	Black/White	<b>70530NP</b>	<b>70530NC</b>	<b>70530MB</b>	<b>70530ER</b>	<b>70530MBWP</b>	—
		All Black	<b>70530NPB</b>	<b>70530NCB</b>	—	—	—	<b>70530FR</b>
		Corrosion-Resistant Yellow/White	<b>70530NPCR</b>	<b>70530NCCR</b>	—	—	—	<b>70530FRCR</b>
NEMA L6-30, 30A 250V	.300"-.950" (7.6-24.1)	Black/White	<b>70630NP</b>	<b>70630NC</b>	<b>70630MB</b>	<b>70630ER</b>	<b>70630MBWP</b>	—
		All Black	<b>70630NPB</b>	<b>70630NCB</b>	—	—	—	<b>70630FR</b>
		Corrosion-Resistant Yellow/White	<b>70630NPCR</b>	<b>70630NCCR</b>	—	—	—	—
NEMA L7-30, 30A 277V AC	.300"-.950" (7.6-24.1)	Black/White	<b>70730NP</b>	<b>70730NC</b>	<b>70730MB</b>	<b>70730ER</b>	—	<b>70730FR</b>
		Corrosion-Resistant Yellow/White	<b>70730NPCR</b>	<b>70730NCCR</b>	—	—	—	—
		Isolated Ground Orange	—	—	—	—	—	<b>70630IG</b>
NEMA L8-30, 30A 480V AC	.300"-.950" (7.6-24.1)	Black/White	<b>70830NP</b>	<b>70830NC</b>	<b>70830MB</b>	<b>70830ER</b>	—	<b>70830FR</b>
		Corrosion-Resistant Yellow/White	<b>70830NPCR</b>	<b>70830NCCR</b>	—	—	—	—
		Isolated Ground Orange	—	—	—	—	—	<b>70630IG</b>
NEMA L9-30, 30A 600V AC	.300"-.950" (7.6-24.1)	Black/White	<b>70930NP</b>	<b>70930NC</b>	<b>70930MB</b>	<b>70930ER</b>	—	<b>70930FR</b>
		Corrosion-Resistant Yellow/White	<b>70930NPCR</b>	<b>70930NCCR</b>	—	—	—	—
		Isolated Ground Orange	—	—	—	—	—	<b>70630IG</b>

Note: \*Supplied with gaskets, mounting screws and spring-loaded, self-closing lift cover.  
See Section D for more information on isolated ground devices and Section J for more information on corrosion-resistant devices.  
See page H-20 for weather protective boots for 20 amp nylon locking plugs.

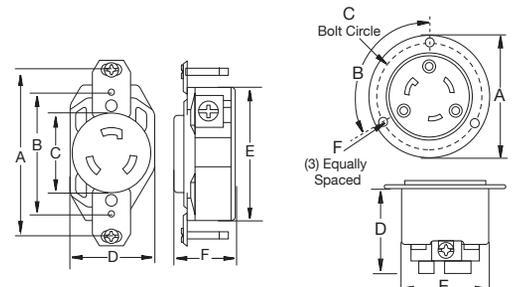
## Product Dimensions Inches (mm)

Plug	
A	2.86" (72.4)
B	1.89" (48.0)
C	2.13" (54.1)
Connector	
A	3.90" (99.1)
B	1.89" (48.0)
C	2.13" (54.1)



	Receptacle	Flanged Devices
	Single	Male/Female
A	3.28" (83.3)	2.88" (73.2)
B	2.38" (60.5)	120°
C	1.56" (39.6)	2.50" (63.5)
D	1.70" (43.2)	2.02" (51.3)
E	2.67" (67.8)	2.05" (52.1)
F	1.24" (31.5)	(3) 0.19" (4.8)

Note: See page S-8 for horsepower ratings.



# Locking Devices



## 30 Amp Plugs, Connectors Flanged Devices and Receptacles

30A 125/250V, 3Ø 250V AC, 3Ø 480V AC and 3Ø 600V AC Locking Devices,  
3-Pole 3-Wire and 3-Pole 3-Wire and 3-Pole 4-Wire Grounding Inches (mm)

**TECH·SPEC®**



Rating	Poles/ Wires	Cord Diameter	Description	Tripple Gripper		Flanged Devices Equipment Base with Nylon White Cup		Weather Protective Power Inlets Die Cast Aluminum Plate*	Single Nylon Receptacle, All Black
				Nylon Plug	Nylon Connector	Male	Female		
NEMA L10-30, 30A 125/250V AC Plug Connector	3-Pole 3-Wire	.300"-.950" (7.6-24.1)	Black/White	71030NP	71030NC	71030MB	71030ER	—	71030FR
NEMA L11-30, 30A 3Ø 250V AC Plug Connector	3-Pole 3-Wire	.300"-.950" (7.6-24.1)	Black/White	71130NP	71130NC	71130MB	71130ER	—	71130FR
NEMA L12-30, 30A 3Ø 480V AC Plug Connector	3-Pole 3-Wire	.300"-.950" (7.6-24.1)	Black/White	71230NP	71230NC	71230MB	71230ER	—	71230FR
NEMA L13-30, 30A 3Ø 600V AC Plug Connector	3-Pole 3-Wire	.300"-.950" (7.6-24.1)	Black/White	71330NP	71330NC	71330MB	71330ER	—	71330FR
NEMA L14-30, 30A 125/250V AC Plug Connector	3-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	71430NP	71430NC	71430MB	71430ER	71430MBWP	71430FR
			Isolated Ground Orange	—	—	—	—	—	71430IG
NEMA L15-30, 30A 3Ø 250V AC Plug Connector	3-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	71530NP	71530NC	71530MB	71530ER	71530MBWP	71530FR
			Isolated Ground Orange	—	—	—	—	—	71530IG
NEMA L16-30, 30A 3Ø 480V AC Plug Connector	3-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	71630NP	71630NC	71630MB	71630ER	—	71630FR
NEMA L17-30, 30A 3Ø 600V AC Plug Connector	3-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	71730NP	71730NC	71730MB	71730ER	—	71730FR

Note: \*Supplied with gaskets, mounting screws and spring-loaded, self-closing lift cover.

See Section D for more information on isolated ground devices and Section J for more information on corrosion-resistant devices.

See page H-13 for 30 amp NEMA locking device dimensions..

See page H-20 for weather protective boots for 30 amp nylon locking plugs.

# Locking Devices



## 30 Amp Plugs, Connectors Flanged Devices and Receptacles

30A 3ØY 120/208V AC, 3ØY 277/480V AC and 3ØY 347/600V AC Locking Devices,  
4-Pole 4-Wire and 4-Pole 5-Wire Grounding Inches (mm)



Rating	Poles/ Wires	Cord Diameter	Description	Tripple Gripper		Flanged Devices Equipment Base with Nylon White Cup		Single Nylon Receptacle, All Black
				Nylon Plug	Nylon Connector	Male	Female	
NEMA L18-30, 30A 3ØY 120/208V AC	4-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	<b>71830NP</b>	<b>71830NC</b>	<b>71830MB</b>	<b>71830ER</b>	<b>71830FR</b>
NEMA L19-30, 30A 3ØY 277/480V AC	4-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	<b>71930NP</b>	<b>71930NC</b>	<b>71930MB</b>	<b>71930ER</b>	<b>71930FR</b>
NEMA L20-30, 30A 3ØY 347/600V AC	4-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	<b>72030NP</b>	<b>72030NC</b>	<b>72030MB</b>	<b>72030ER</b>	<b>72030FR</b>
NEMA L21-30, 30A 3ØY 120/208V AC	4-Pole 5-Wire	.465"-1.150" (11.8-29.2)	Black/White	<b>72130NP</b>	<b>72130NC</b>	<b>72130MB</b>	<b>72130ER</b>	<b>72130FR</b>
			Isolated Ground Orange	—	—	—	—	<b>72130IG</b>
NEMA L22-30, 30A 3ØY 277/480V AC	4-Pole 5-Wire	.465"-1.150" (11.8-29.2)	Black/White	<b>72230NP</b>	<b>72230NC</b>	<b>72230MB</b>	<b>72230ER</b>	<b>72230FR</b>
NEMA L23-30, 30A 3ØY 347/600V AC	4-Pole 5-Wire	.465"-1.150" (11.8-29.2)	Black/White	<b>72330NP</b>	<b>72330NC</b>	<b>72330MB</b>	<b>72330ER</b>	<b>72330FR</b>

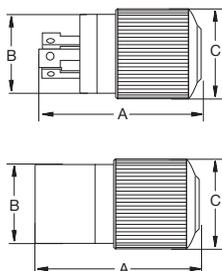
Note: See Section D for more information on isolated ground devices and Section J for more information on corrosion-resistant devices.  
See page H-20 for weather protective boots for 30 amp nylon locking plugs.

## Product Dimensions Inches (mm)

Plug	
A	2.86" (72.4)
B	1.89" (48.0)
C	2.13" (54.1)

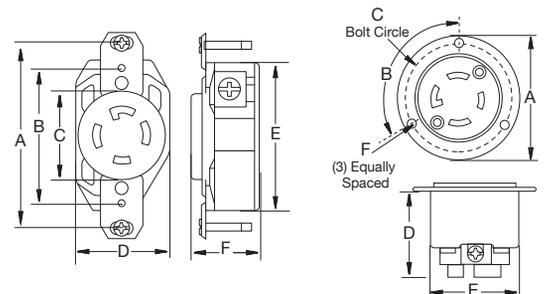
  

Connector	
A	3.90" (99.1)
B	1.89" (48.0)
C	2.13" (54.1)



	Receptacle	Flanged Devices
	Single	Male/ Female
A	3.28" (83.3)	3.06" (77.7)
B	2.38" (60.5)	120°
C	1.56" (39.6)	2.68" (68.1)
D	1.70" (43.2)	2.03" (51.6)
E	2.67" (67.8)	2.16" (54.9)
F	1.24" (31.5)	(3) 0.19" (4.8)

Note: See page S-8 for horsepower ratings.



# Locking Devices



## 400 Hertz 20A and 30A Locking Devices

20A 400Hz 3ØY 120/208V and 30A 28V DC, 400Hz 120V, 3ØΔ 120V and 3ØY 120/208V Locking Devices, 2-Pole 3-Wire, 3-Pole 4-Wire and 4-Pole 5-Wire Grounding Inches (mm)

**TECH·SPEC®**

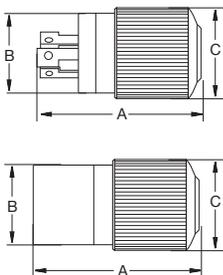


Rating	Poles/ Wires	Cord Diameter	Description	Tripple Gripper		Flanged Devices Equipment Base with Nylon White Cup		Single Urea Receptacle, All Black
				Nylon Plug	Nylon Connector	Male	Female	
20A 400Hz, 3ØY 120/208V	4-Pole 5-Wire	.465"-1.150" (11.8-29.2)	Black/White	<b>40045NP</b>	<b>40045NC</b>	<b>40045MB</b>	<b>40045ER</b>	<b>40045FR</b>
 Plug NEMA FSL1, 30A 28V DC	 Connector 2-Pole 3-Wire	.300"-.950" (7.6-24.1)	Black/White	<b>FSL1NP</b>	<b>FSL1NC</b>	—	—	<b>FSL1FR</b>
 Plug NEMA FSL2, 30A 400Hz 120V	 Connector 2-Pole 3-Wire	.465"-1.150" (11.8-29.2)	Black/White	<b>FSL2NP</b>	<b>FSL2NC</b>	—	—	<b>FSL2FR</b>
 Plug NEMA FSL3, 30A 400Hz 3ØΔ 120V	 Connector 3-Pole 4-Wire	.465"-1.150" (11.8-29.2)	Black/White	<b>FSL3NP</b>	<b>FSL3NC</b>	—	—	<b>FSL3FR</b>
 Plug NEMA FSL4, 30A 400Hz 3ØY 120/280V	 Connector 4-Pole 5-Wire	.465"-1.150" (11.8-29.2)	Black/White	<b>FSL4NP</b>	<b>FSL4NC</b>	—	—	<b>FSL4FR</b>

Note: 400 Hertz locking devices have a unique locking configuration that is not interchangeable with existing locking configurations. They have been designed, tested and approved for use on 400 Hz (400 cycles per second) circuits.  
 This higher frequency (400 Hz) is used in place of the normal 60 Hz in certain military, industrial and aircraft applications. Where power, size and weight are important factors, the application of 400 Hz, in aircraft for example, permits the use of small, powerful electric motors that result in a substantial weight reduction. The National Electrical Code requires that "receptacles connected to circuits having different voltages, frequencies or types of current (AC or DC) on the same premises shall be of such design that the attachment plugs used on these circuits are not interchangeable." Thus users of 400 Hz and 60 Hz attachment plugs and receptacles must segregate the frequencies when used on the same premises.  
 See page H-20 for weather protective boots for 20 amp nylon locking plugs.

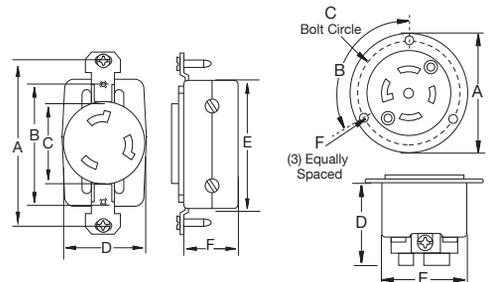
## Product Dimensions Inches (mm)

Plug	
A	2.86" (72.4)
B	1.89" (48.0)
C	2.13" (54.1)
Connector	
A	3.90" (99.1)
B	1.89" (48.0)
C	2.13" (54.1)



	Single Receptacle	Flanged Devices
A	3.28" (83.3)	3.06" (77.7)
B	2.38" (60.5)	120"
C	1.56" (39.6)	2.68" (68.1)
D	1.71" (43.4)	2.03" (51.6)
E	2.50" (63.5)	2.16" (54.9)
F	1.14" (29.0) FSL1FR 1.20" (30.5) 40045FR	(3) 0.19" (4.8)

Note: See page S-8 for horsepower ratings.



# Locking Devices

## 10 Amp and 15 Amp Non-NEMA Locking Devices

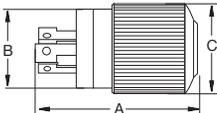
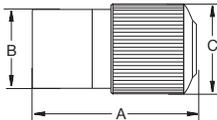
10A 250V and 15A 125V Locking Devices,  
3-Pole 3-Wire Non-Grounding and 2-Pole 3-Wire Grounding Inches (mm)



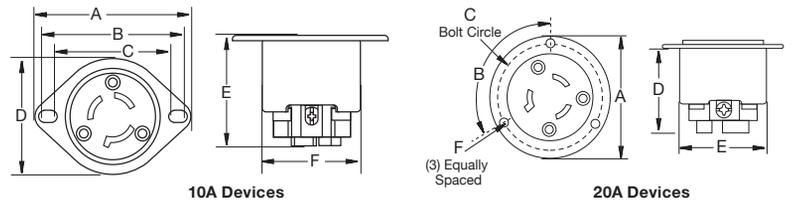
Rating	Poles/ Wires	Cord Diameter	Description	Triple Gripper		Flanged Devices Equipment Base with Binding Screw Terminals		Receptacle, Back and Side Wired	
				Nylon Plug	Nylon Connector	Male White Nylon	Female White Nylon	Single All Black Nylon	Duplex All Black RTP
10A 250V, Non-Grounding	3-Pole 3-Wire	.300"-.655" (7.6-16.6)	Black/White	<b>7568NP</b>	<b>7565NC</b>	<b>7556MB</b>	<b>7557ER</b>	<b>7582</b>	<b>7580DR</b>
			Corrosion- Resistant Yellow/ White	<b>7568NPCR</b>	<b>7565NCCR</b>	—	—	—	—
15A 125V, Grounding	2-Pole 3-Wire		All Black	—	—	—	—	<b>7582G</b>	<b>7580GDR</b>

Note: Wiring devices on this page are **no longer listed by Underwriters Laboratories Inc.**, and are intended for **replacement use only** in existing installations. We recommend that they not be used in new installations. These devices formerly complied with UL Standards, however, due to revisions of these Standards, the devices can no longer be listed. For new installations, refer to the NEMA configuration chart on page H-2 for the products suited for your particular current and voltage requirements. **CAUTION:** To Avoid Electric Shock-Review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device. See page H-20 for weather protective boots for 10 and 15 amp nylon locking plugs.

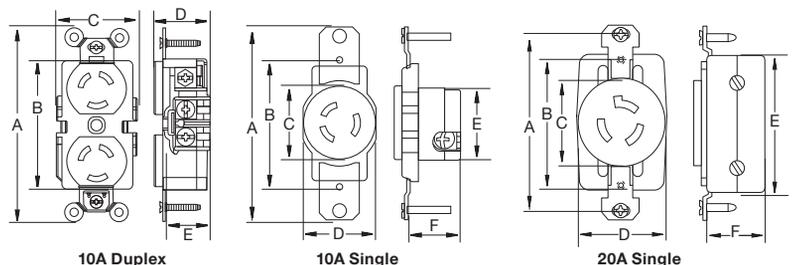
## Product Dimensions Inches (mm)

	Plug			Connector		
	10A	20A		10A	20A	
A	2.18" (55.4)	2.60" (66.0)		2.95 (75.0)	3.73 (94.7)	
B	1.38" (35.1)	1.80" (45.7)		1.38" (35.1)	1.80 (45.7)	
C	1.53" (38.9)	2.11" (53.6)		1.53" (38.9)	2.11 (53.6)	

	Flanged Devices	
	10A	20A
A	2.38" (60.5)	2.87" (73.9)
B	2.19" (55.5)	2.20"
C	2.00" (50.8)	2.50" (63.5)
D	1.84" (46.7)	1.27" (32.3)
E	1.68" (42.6)	2.01" (51.1)
F	1.58" (40.1)	(3) 0.19" (4.8)



	Duplex Receptacles	Single Receptacles	
	10A	10A	20A
A	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)
B	2.38" (60.5)	2.38" (60.5)	2.38" (60.5)
C	1.38" (35.1)	1.38" (35.1)	1.38" (35.1)
D	1.41" (35.8)	1.41" (35.8)	1.39" (35.3)
E	1.37" (34.8)	1.37" (34.8)	2.20" (55.9)
F	1.01" (25.7)	1.01" (25.7)	0.86" (21.8)



# Locking Devices



## 20 Amp Non-NEMA Locking Devices

20A 125/250V, 250V AC and 3ØY 120/208V AC Locking Devices,  
Grounding and Non-Grounding Inches (mm)



Rating	Poles/ Wires	Cord Diameter	Description	Nylon Construction		Flanged Devices Equipment Base with Binding Screw Terminals		Single Receptacle Back and Side Wired
				Plug	Connector	Male White Nylon	Female White Nylon	
20A 125/250V AC, Non-Grounding Plug Connector	3-Pole 3-Wire	.375"-1.000" (9.5-25.4)	Black/White All Black	<b>9965</b> <b>9965NB</b>	<b>7314</b> <b>7314NB</b>	<b>7327</b> —	<b>7328</b> —	— <b>7310</b>
			Sentinel Yellow	<b>9965NSY</b>	<b>7314NSY</b>	—	—	—
20A 250V AC, Grounding Plug Connector	2-Pole 3-Wire		All Black	—	—	—	—	<b>7310G*</b>
20A 3ØY 120/208V, Non-Grounding Plug Connector	4-Pole 4-Wire	.625"-1.150" (15.9-29.2)	Black/White	<b>9967</b>	<b>7414</b>	<b>7408MB</b>	<b>7409ER</b>	<b>7410</b> <b>7417**</b>
			Sentinel Yellow	<b>9967NSY</b>	<b>7414NSY</b>	—	—	—
20A 250V AC, Grounding Plug Connector	3-Pole 4-Wire		All Black	—	—	—	—	<b>7410G*</b>
20A 3ØY 120/208V AC, Grounding Plug Connector	4-Pole 5-Wire	.625"-1.150" (15.9-29.2)	Black/White	<b>3521</b>	<b>3523</b>	—	—	—

**Note: Rating Change:** All devices listed on this page are intended for replacement use only in existing installations. We recommend that they not be used in new installations. Both standard and suffix "G" devices were formerly dual rated 20 Amp 250V AC or DC, 10 Amp 600V AC. Suffix "G" devices are intended for equipment grounding applications and formerly complied with UL Standards. However, due to revisions of these Standards, suffix "G" devices are no longer UL Listed and the rating of non-grounding devices has been changed to 20 Amp 125/250V. For new installations, refer to the NEMA configuration chart on H-2 for the products suited for your particular current and voltage requirements. **CAUTION:** To Avoid Electric Shock-Review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

See page H-20 for weather protective boots for 20 amp nylon locking plugs.  
\*Not UL Listed. For Replacement use only.  
\*\*Catalog number 7410 on 4 in. (101.6) round metal box cover. Not CSA Certified.

## Product Dimensions Inches (mm)

Plug		Single Receptacle	Flanged Devices		
A	B				
2.60" (66.0)	1.80" (45.7)	3.28" (83.3)	3.06" (77.7)		
1.80" (45.7)	2.11" (53.6)	2.38" (60.5)	120°		
2.11" (53.6)		1.56" (39.6)	2.68" (68.1)		
		1.71" (43.4)	2.27" (57.7)		
		2.50" (63.5)	2.23" (56.6)		
		1.14" (29.0)	(3) 0.19" (4.8)		
Connector					
A	B				
3.73" (94.7)	1.80" (45.7)				
1.80" (45.7)	2.11" (53.6)				

# Locking Devices



## 30 Amp Non-NEMA Locking Devices

30A 125/250V, 250V AC and 3ØY 120/208V AC Locking Devices,  
Grounding and Non-Grounding Inches (mm)

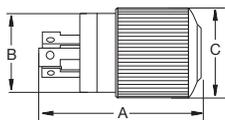


Rating	Poles/ Wires	Cord Diameter	Description	Triple Gripper		Single Receptacle Back and Side Wired
				Nylon Plug	Nylon Connector	All Black Urea
30A 125/250V AC, Non-Grounding	3-Pole 3-Wire	.300"-.950" (7.6- 24.1)	Black/White	<b>3331</b>	<b>3333</b>	<b>3330</b>
 Plug  Connector						
30A 250V AC, Grounding	2-Pole 3-Wire		All Black	—	—	<b>3330G*</b>
 Plug  Connector						
30A 3ØY 120/208V, Non-Grounding	4-Pole 4-Wire	.625"-1.150" (15.9-29.2)	Black/White	<b>3431</b>	<b>3433</b>	<b>3430BRY</b>
 Plug  Connector						
30A 250V AC, Grounding	3-Pole 4-Wire		All Black	—	—	<b>3430G*</b>
 Plug  Connector						

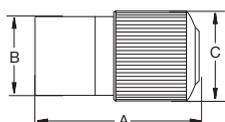
**Note: Rating Change:** Effective July 1, 1981, the ratings of devices listed on this page were changed from 30 Amp 250V to 30 Amp 125/250V in order to comply with Underwriters Laboratories' requirements. Note that although the voltage rating has changed, the configuration will remain the same. Suffix "G" devices are intended for equipment grounding applications and formerly complied with UL Standards. However, due to revisions of these Standards, suffix "G" devices are no longer UL Listed. Devices listed on this page are intended for replacement use only. For new installations, refer to the NEMA configuration chart on page H-2 for your particular current and voltage requirements. **CAUTION:** To Avoid Electric Shock-Review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device. See page H-20 for weather protective boots for 30 amp nylon locking plugs. \*Not UL Listed. For Replacement use only.

## Product Dimensions Inches (mm)

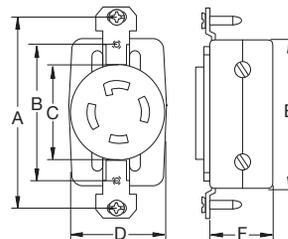
Plug	
A	2.85" (72.4)
B	1.89" (48.0)
C	2.13" (54.1)



Connector	
A	3.90" (99.1)
B	1.89" (48.0)
C	2.13" (54.1)



Single Receptacle	
A	3.28" (83.3)
B	2.38" (60.5)
C	1.56" (39.6)
D	1.71" (43.4)
E	2.50" (63.5)
F	1.20" (30.5)



# Locking Devices

## 20 Amp Pool Pump Kit



- Tinted lid is aesthetically pleasing in any location
- High-impact, polycarbonate standard while-in-use cover will not rust or corrode, cover is NEMA 3R rated
- Compact 2-gang design
- Locking receptacle prevents unintentional disconnection of mating pump plug



Description	Rating	Receptacle	Poles/Wires	Catalog Number
<b>Pump Kit Contains:</b> <ul style="list-style-type: none"> <li>• Heavy duty, industrial grade locking receptacle</li> <li>• Single pole switch (20A 120-277V AC).</li> <li>• Two-gang, 2 inch deep die-cast aluminum weatherproof box with (4) 3/4 inch threaded outlets</li> <li>• Two-gang, weatherproof while-in-use cover</li> <li>• Includes mounting hardware, gasket, wire connector and (3) closure plugs</li> <li>• Complete assembly instructions</li> </ul>	NEMA L5-20, 20A 125V Grounding		2-Pole 3-Wire	<b>PKL520</b>

## 20 Amp Generator Power Connection Kit



- Deep weatherproof box gives installers the room needed to wire the box efficiently
- State-of-the-art powder-coated finish provides years of protection against the elements
- Installation hardware, gasket and ground screw are provided
- Male inlet is securely mounted to the cover for additional durability

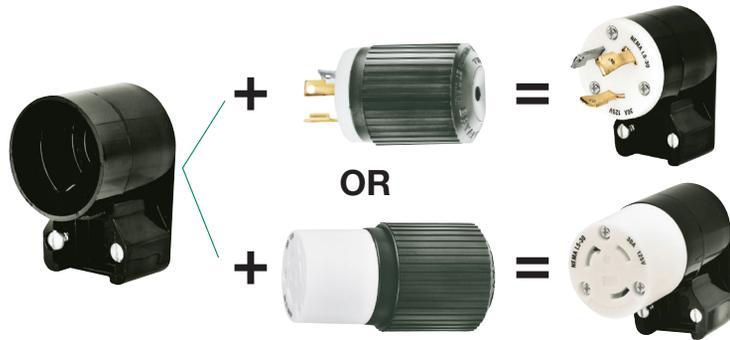
Description	Rating	Receptacle	Poles/Wires	Catalog Number
<b>Generator Power Kit Contains:</b> <ul style="list-style-type: none"> <li>• Heavy duty industrial grade male base integrated with cast aluminum weatherproof cover</li> <li>• Single-gang, 2 inch deep cast aluminum box</li> <li>• Mounting hardware, grounding screw and gasket</li> </ul>	NEMA L14-30, 30A 125/250V		3-Pole 4-Wire	<b>RB58405</b>

# Locking Devices



## Angle Adapters for 20 and 30 Amp Locking Plugs and Connectors

- Nylon angle adapters convert 20 and 30 amp nylon locking plugs/connectors into space-saving angle devices
- Adapters permit wire to exit parallel to the receptacle, eliminating space needed for wire to bend



### Triple Gripper® Angle Adapters

Description	Cord Grip	Catalog Number
Angle adapter, black nylon	.500"-1.00" (12.7-25.4)	<b>70204ANA</b>

### Product Dimensions Inches (mm)

Adapter with Plug		Adapter with Connector	
A	2.88" (73.2)	A	2.88" (73.2)
B	2.25" (57.2) Plug 3.35" (85.1) Connector	B	2.25" (57.2) Plug 3.35" (85.1) Connector
C	1.33" (33.8)	C	1.33" (33.8)
D	1.86" (47.2)	D	1.86" (47.2)
E	1.80" (45.7)	E	1.80" (45.7)

## PLUGBOX® Lockout Devices

- PLUGBOX® devices provide an assured method of complying with OSHA lockout/tagout regulation
- Protect against unexpected start-up of equipment during maintenance and repair work
- Discourages unauthorized use of tools and equipment
- UV stabilized polypropylene housing
- High visibility red for easy identification

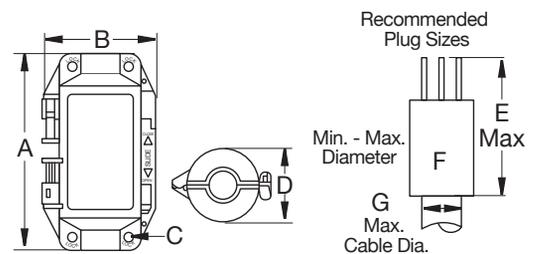


### PLUGBOX® Lockout Devices

Description	Accommodates						
	15 Amp up to 277V Rating		20 Amp		30 Amp	50 Amp	
	3-Wire	2- and 3-Wire	3-Wire	4- and 5-Wire	4- and 5-Wire	3- and 4-Wire	
	Locking Molded-On Plugs	Locking Plugs	Power Interrupting Plugs	NEMA and Non-NEMA Locking Plugs	NEMA and Non-NEMA Locking Plugs	Power Interrupting Plugs	Locking Plugs
Yellow polypropylene	<b>BLDMP</b>	<b>BLD</b>	<b>BLD</b>	<b>BLD</b>	<b>BLD</b>	<b>BLD2</b>	<b>BLD2</b>

### Product Dimensions Inches (mm)

	BLDMP	BLD	BLD2
A	4.22" (107.2)	7.27" (184.7)	12.51" (317.8)
B	3.14" (79.8)	4.27" (108.5)	6.31" (160.3)
C	(2) 0.32" (8.1)	(4) 0.39" (9.9)	(4) 0.39" (9.9)
D	2.57" (65.3)	3.10" (78.7)	5.00" (127.0)
E	3.70" (94.0)	4.75" (120.7)	10.15" (257.8)
F	0.79"-1.73" (20.1-43.9)	1.50"-2.75" (38.1-69.9)	1.90"-4.50" (48.3-114.3)
G	0.64" (16.3)	1.11" (28.2)	1.45" (36.8)



## Weather Protective Boots and Adapter Sleeves



- For use with Bryant Tech-Spec® locking plugs and connectors
- Help prevent moisture, dust and other contaminants from infiltrating plugs and connectors
- Thermoplastic elastomer construction in high visibility yellow or standard black
- Excellent ozone and weather resistance and resistant to deterioration by oils and heat
- Connector sealing ring provides extra protection when plug and connector are not mated

## Weather Protective Boots



Description	For use with	Color	For Use with Plugs	For Use with Connectors	Sealing Cap for Use with Connector Boot
Thermoplastic elastomer boot	10 and 15 amp nylon locking, 15 and 20 amp straight blade devices	Black Yellow	<b>5200BPB</b> <b>5200BP</b>	<b>5200BCB</b> <b>5200BC</b>	<b>5200BSRB</b> <b>5200BSR</b>
	7465N plug when used with 7464N connector or 7468N female equipment receptacle, also for use with connector when used with 7466N male base	Black	<b>7460BP</b>	—	—
	7464N connector when used with 7465N plug	Black	—	<b>7460BC</b>	—
Neoprene boot	15 amp 2-pole 2-wire and midget locking nylon plugs and connectors, NEMA L1-15, ML-2 and ML-3	Yellow	<b>7400BCR</b>	<b>7400BCR</b>	—
	20 and 30 amp nylon locking plugs	Black Yellow	<b>72002BPB</b> <b>72002BP</b>	<b>72002BCB</b> <b>72002BC</b>	— —

## Adapter Sleeves



Description	Color	Catalog Number	Catalog Number
Rubber adapter sleeve, strain relief for use with 2-pole 2-wire straight blade nylon plugs and connectors, NEMA 1-15, ML-2 and ML-3	Black	<b>5200S</b>	—
	White	—	<b>9700S</b>

# Locking Devices

## 50 Amp Plugs, Connectors, Flanged Devices and Receptacles

50A 125V, 250V, 480V, 125/250V, 3Ø 250V AC and 3Ø 480V AC Locking Devices, 2-Pole 3-Wire and 3-Pole 4-Wire Grounding Inches (mm)



Rating	Poles/ Wires	Cord Diameter	Description	Plug	Connector	Flanged Devices		Single Armored Receptacle
						Male	Male with Cover	
50A 125/250V AC Plug Connector	3-Pole	.65"-1.20" (16.5-30.5)	Black Nylon	<b>CS6365L</b>	<b>CS6364L</b>	<b>CS6375L</b>	<b>CS6375LC</b>	<b>CS6369L</b>
	4-Wire							
	3-Pole 4-Wire	.830"-1.250" (21.1-31.8)	Heavy Duty Black Steel Casing	<b>CS6365</b> —	<b>CS6364</b> —	— <b>CS6375A</b>	— —	<b>CS6369A</b> —
50A 3Ø 250V AC Plug Connector	3-Pole	.65"-1.20" (16.5-30.5)	Black Nylon	<b>CS8365L</b>	<b>CS8364L</b>	<b>CS8375L</b>	<b>CS8375LC</b>	<b>CS8369L</b>
	4-Wire							
	3-Pole 4-Wire	.830"-1.250" (21.1-31.8)	Heavy Duty Black Steel Casing	<b>CS8365</b> —	<b>CS8364</b> —	— <b>CS8375A</b>	— —	<b>CS8369A</b> —
			Steel Casting with Weatherproof Cover Plate	—	—	<b>CS8375MBWP</b>	—	—
50A 3Ø 480V AC Plug Connector	3-Pole	.830"-1.250" (21.1-31.8)	Heavy Duty Black	<b>CS8165</b>	<b>CS8164</b>	—	—	<b>CS8169A</b>
	4-Wire		Steel Casing	—	—	<b>CS8175A</b>	—	—
50A 125V AC Plug Connector	2-Pole	.830"-1.250" (21.1-31.8)	Heavy Duty Black	<b>CS6361</b>	<b>CS6360</b>	<b>CS6377A</b>	—	<b>CS6370A</b>
	3-Wire							
50A 250V AC Plug Connector	2-Pole	.830"-1.250" (21.1-31.8)	Heavy Duty Black	<b>CS8265</b>	<b>CS8264</b>	<b>CS8275A</b>	—	<b>CS8269A</b>
	3-Wire							
50A 480V AC Plug Connector	2-Pole	.830"-1.250" (21.1-31.8)	Heavy Duty Black	<b>CS8465</b>	<b>CS8464</b>	<b>CS8475A</b>	—	<b>CS8469A</b>
	3-Wire							

Note: See page H-23 for weather protective boots and accessories.

### Product Dimensions Inches (mm)

Plug		Diagram	Single Receptacle		Flanged Devices		Diagram	
CS6365L	CS6365		CS6369L	CS6369	CS6375L	CS6375		
A	5.80" (147)		3.30" (84.0)	3.28" (83.3)	—	3.50" (88.9)		
B	2.40" (61)		2.70" (69.0)	—	2.10" (53.0)	2.12" (53.8)		
Connector			C	2.10" (53.0)	2.12" (53.8)	2.70" (69.0)		2.77" (70.4)
A	5.50" (140)		D	2.40" (61.0)	2.44" (62.0)	2.20" (56.0)		2.17" (55.1)
B	2.40" (61)	E	1.10" (25.0)	1.03" (26.2)	0.19" (4.8)	0.19" (4.8)		
C	—	F	2.10" (53.0)	2.69" (68.3)	—	—		
		G	—	0.62" (15.7)	—	—		

# Locking Devices



## 50 Amp Plugs, Connectors Flanged Devices and Receptacles

50A 250V DC 600V DC Locking Devices, 2-Pole 3-Wire and 3-Pole 4-Wire Grounding Inches (mm)

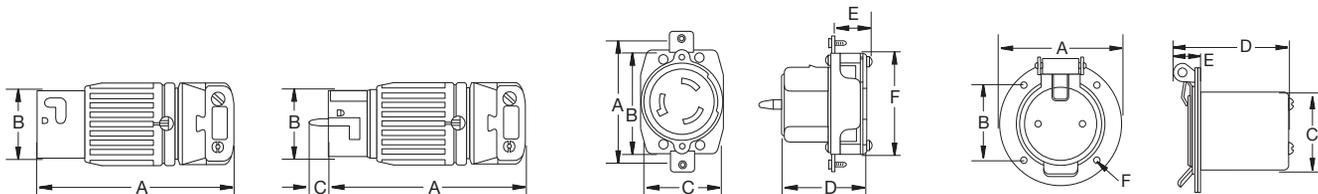


Rating	Poles/ Wires	Cord Diameter	Description	Plug	Connector	Male Flanged Devices with Lift Cover and Gasket	Receptacle Single Armored
50A 250V DC, 600V AC	2-Pole 3-Wire	.830"-1.250" (21.1-31.8)	Heavy duty Black	<b>3763*</b>	<b>3762*</b>	—	<b>3771*</b>
			Steel Casing	—	—	<b>3767*</b>	—
50A 250V DC, 600V AC	3-Pole 4-Wire	.830"-1.250" (21.1-31.8)	Heavy duty Black	<b>3765*</b>	<b>3764*</b>	—	<b>3769*</b>
			Steel Casing	—	—	<b>3768*</b>	—
50A 250V DC, 600V AC	3-Pole 4-Wire	.830"-1.250" (21.1-31.8)	Heavy duty Black	<b>7765**</b>	<b>7764**</b>	—	<b>7379**</b>
			Steel Casing	—	—	<b>7968**</b>	—

Note: \*These devices are not interchangeable with other 50 amp configurations listed in this catalog.  
 \*\*These devices are intended for replacement use only in existing installations. We recommend that they not be used in new installations.  
 See page H-23 for weather protective boots and accessories.

## Product Dimensions Inches (mm)

	Plug	Connector	Single Receptacle	Flanged Devices
A	5.38" (162.1)	6.50" (165.1)	3.28" (83.3)	3.50" (88.9)
B	2.56" (65.0)	2.56" (65.0)	—	2.12" (53.8) SQ.
C	—	—	2.12" (53.8)	2.17" (55.1)
D	—	—	2.44" (62.0)	2.77" (70.4)
E	—	—	1.03" (26.2)	0.75" (19.1)
F	—	—	2.69" (68.3)	0.19" (4.8) Dia.



## 50 Amp Locking Accessories

### Wallplates and Weather Protective Plates for 50 Amp Receptacles



Stainless Steel 302/304	Aluminum Plate	
1-Gang	With Cover	Without Cover
<b>SS750</b>	<b>7382*</b>	<b>7383</b>

Note: \*Will only fit non-"CS" style 50A locking receptacles.

### Weatherproof Plates for 50 Amp Receptacles



For use with Receptacles Fits FS/FD Boxes	Weather Protective Plate Die Cast Aluminum Vertical Mount Cover	For use with Male Base Flanged Devices
<b>7774CR</b>	<b>7770</b>	<b>7780</b>

### Weather Protective Boots



For use with Cordsets		For use with Flanged Inlets
Plug	Connector	Connector
<b>7716B</b>	<b>7717B</b>	<b>7716B</b>

Note: Boots are not UL Listed or CSA Certified.

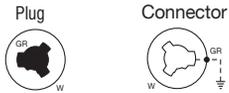


- Three-piece thermoplastic clamp assembly with fast-lead stainless screws provides a more consistent durable grip
- Superior wire terminations are assured with box terminals and screws with pressure pads
- No “lazy” connections because a spring-loaded safety shutter automatically ejects the plug if it hasn’t been properly locked into the female device
- Insulated non-metallic housing enhances safety and resistance to impact
- Positive locking is ensured by the nose of the plug being keyed into a detent in female device

### 20A 125V AC or DC, 10A 250V DC, 480V AC, 2-Pole 3-Wire and 3-Pole 3-Wire Inches (mm)



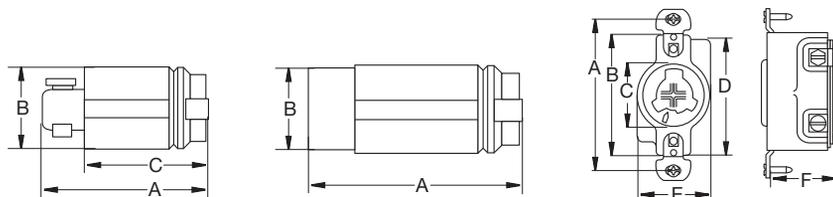
Rating	Poles/ Wires	Cord Diameter	Description	Clamp-Type Terminals		Single Receptacle, Back Wired
				Nylon Plug	Nylon Connector	
20A 125V AC or DC, 10A 250V DC, 480V AC, Grounding	2-Pole 3-Wire	.320"-.660" (8.1- 16.8)	Black/White	<b>23005G*</b>	<b>23002G*</b>	—
			Black Phenolic	—	—	<b>23000G*</b>
20A 125V AC or DC, 10A 250V DC, 480V AC, Non-Grounding	3-Pole 3-Wire	.320"-.660" (8.1- 16.8)	Black/White	<b>23005</b>	—	—



Note: \*These devices are not UL Listed and are for replacement use only in existing installations. See page H-27 for weather protective boots and accessories.

### Product Dimensions Inches (mm)

	Plug	Connector	Single Receptacle
A	3.22" (81.8)	3.56" (90.4)	3.28" (83.3)
B	1.72" (43.7)	1.62" (41.4)	2.38" (60.5)
C	2.31" (58.7)	—	1.38" (35.1)
D	—	—	2.50" (63.5)
E	—	—	1.62" (41.4)
F	—	—	1.47" (37.3)



# Locking Devices

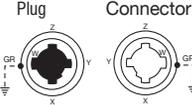
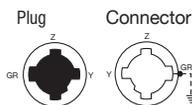
## 30 Amp Power Interrupting Devices



30A 600V AC and 250V DC, 3-Pole 4-Wire and 4-Pole 5-Wire Grounding Inches (mm)



Rating	Poles/ Wires	Cord Diameter	Description	Plug	Connector	Flanged Devices Cast Aluminum		Single Receptacle
						Male	Female	
30A 600V AC, 20A 250V DC	3-Pole	.700"-1.20"	Black nylon with cord grip	<b>21415</b>	<b>21414</b>	—	—	—
	4-Wire	(17.8-30.5)	For F.S. and F.D. boxes	—	—	<b>20418</b>	—	<b>20403</b>
			Cast aluminum angle housing with ° in. NPT hub	—	—	<b>21447</b>	<b>21420</b>	—
30A 600V AC, 20A 250V DC	4-Pole	.700"-1.20"	Black nylon with cord grip	<b>25415</b>	<b>25414</b>	—	—	—
	5-Wire	(17.8-30.5)	Metal housing for F.S. and F.D. boxes, Blue finish	—	—	—	—	<b>25403</b>
			Aluminum weather protective housing/cover for F.S. and F.D. boxes, Blue finish	—	—	—	—	<b>25250</b>

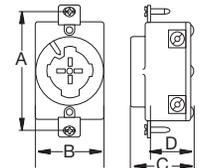
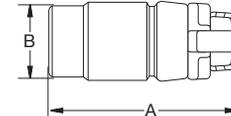
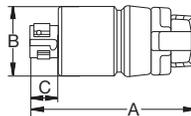


Note: See page H-27 for weather protective boots and accessories.

## Product Dimensions Inches (mm)

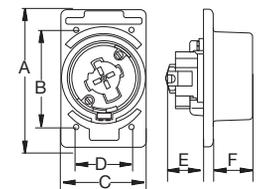
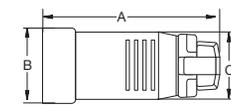
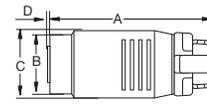
### 3-Pole 4-Wire Devices

	Plug	Connector	Single Receptacle
A	5.62" (142.7)	6.00" (152.4)	3.28" (83.3)
B	2.33" (59.2)	2.44" (62.0)	1.94" (49.3)
C	0.94" (23.9)	—	1.75" (44.5)
D	—	—	1.22" (31.0)



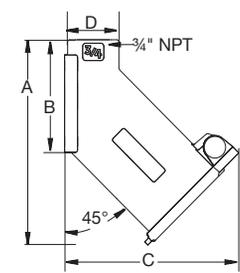
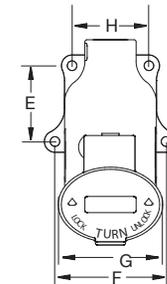
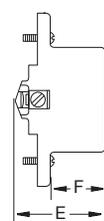
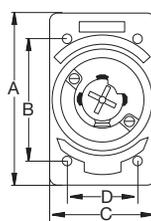
### 4-Pole 5-Wire Devices

	Plug	Connector	Single Receptacle
A	6.56" (166.6)	6.78" (172.2)	4.56" (115.8)
B	2.25" (57.2)	2.69" (68.3)	3.25" (82.6)
C	2.50" (63.5)	2.50" (63.5)	2.84" (72.1)
D	0.05" (1.3)	—	1.88" (47.8)
E	—	—	1.25" (31.8)
F	—	—	1.69" (42.9)



### Flanged Inlets

	Male	Angled Housing
A	4.56" (115.8)	5.94" (151.0)
B	3.25" (82.6)	3.25" (82.6)
C	2.84" (72.1)	5.09" (129.3)
D	1.88" (47.8)	1.50" (38.1)
E	2.41" (61.2)	2.19" (55.6)
F	1.81" (46.0)	3.25" (82.6)
G	—	3.06" (77.7)
H	—	2.25" (57.2)



# Locking Devices



## 60 Amp Power Interrupting Devices

60A 600V AC, 3-Pole 4-Wire and 4-Pole 5-Wire Grounding Inches (mm)



Rating	Poles/ Wires	Cord Diameter	Description	Plug	Connector	Flanged Devices Cast Aluminum		Receptacle*
						Male	Female	
60A 600V AC, Grounding	3-Pole 4-Wire	.920"-1.450" (23.4-36.8)	Yellow polycarbonate outer cover and adjustable cord grip	<b>26419</b>	<b>26418</b>	—	—	—
			Black phenolic with short aluminum housing and lift cover	—	—	—	—	<b>26410</b>
			Steel housing	—	—	<b>26422</b>	<b>26421</b>	—
60A 600V AC, Grounding	4-Pole 5-Wire	.920"-1.450" (23.4-36.8)	Blue polycarbonate outer cover and adjustable cord grip	<b>26519</b>	<b>26516</b>	—	—	—
			Black phenolic with long blue aluminum housing and lift cover	—	—	—	—	<b>26520</b>
			Steel housing	—	—	<b>26522</b>	<b>26521</b>	—

Note: \*For receptacles, use box and adapters below.  
See page H-27 for weather protective boots and accessories.

## 60A Power Interrupting Accessories

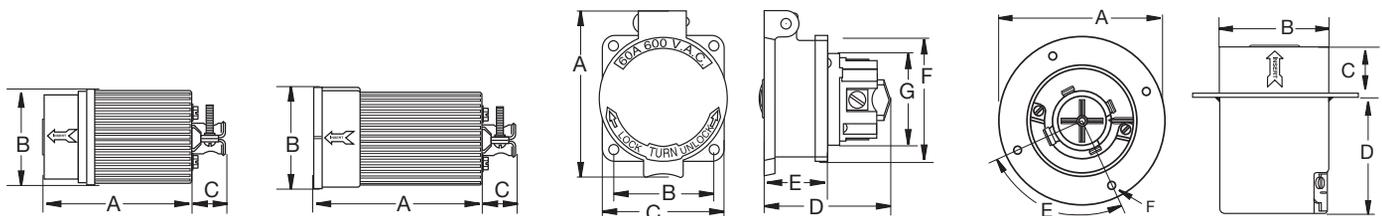


Single Receptacle Accessories Box and Adapters (Box requires one adapter), Cast Aluminum

Box	Straight Adapter Plate	45° Angle Adapter Plate
<b>26401</b>	<b>26402</b>	<b>26404</b>

## Product Dimensions Inches (mm)

	Plug	Connector	Single Receptacle	Flanged Inlets	
				Male	Female
A	3.56" (90.4)	5.43" (137.9)	4.62" (116.8)	4.12" (104.6)	4.12" (104.6)
B	3.03" (76.9)	3.18" (80.8)	2.87" (72.8)	2.70" (68.6)	2.88" (73.0)
C	1.09" (27.6)	1.09" (27.6)	3.50" (88.9)	1.20" (30.5)	1.20" (30.5)
D	—	—	3.57" (90.6)	2.75" (69.9)	3.33" (84.5)
E	—	—	1.84" (46.7)	90°	90°
F	—	—	3.26" (82.8)	0.19" (4.8)	0.19" (4.8)
G	—	—	2.56" (65.0)		



# Locking Devices

## Power Interrupting Accessories

### 20A Power Interrupting Accessories Inches (mm)



Single Gang 1.40" (35.6) Opening			Receptacle Plates, Cast Aluminum		"Mini" Weather Protective Boots	
Stainless Steel, Type 302/304	Brass	Black Nylon	With Lift Cover, Indoor Use Box Mount	Weather Protective with Cover F.S. Box Mount	Female Connector	Male Plug
<b>SS7</b>	<b>SB7</b>	<b>P7BK</b>	<b>23007</b>	<b>7418B</b>	<b>20424**</b>	<b>20425**</b>

### 30A Power Interrupting Accessories



Liquid-Tight Metallic Conduit Adapters for Use with Plugs and Connectors		Receptacle Plates, Cast Aluminum		"Mini" Weather Protective Boots	
With 1/2 in. conduit	With 3/4 in. conduit	Weather Protective Plate for Wet Locations with Cover Closed	No Lift Cover	Female Connector	Male Plug
<b>SAB12A*</b>	<b>SAB34A*</b>	<b>20405</b>	<b>20406</b>	<b>20424**</b>	<b>20425**</b>

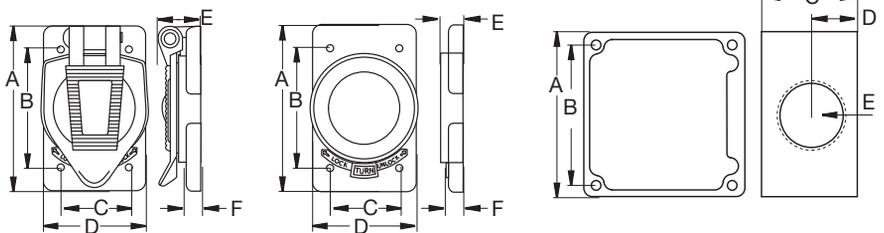
Note: \*Not CSA Certified.

\*\*Boots are not UL Listed or CSA Certified.

Boots are not available for 5-wire 30 amp power interrupting plugs and connectors.

### Product Dimensions Inches (mm)

	Receptacle Plates		
	Cover	No Cover	Box
A	4.56" (115.8)	4.56" (115.8)	4.59" (116.5)
B	3.25" (82.6)	3.25" (82.6)	3.87" (98.2)
C	2.84" (72.1)	2.84" (72.1)	2.71" (68.8)
D	1.88" (47.8)	1.88" (47.8)	1.31" (33.3)
E	1.16" (29.5)	0.59" (15.0)	1" NPT TAP
F	0.38" (9.7)	0.38" (9.7)	-



### Locking Plug and Connector

<b>Description</b>
Manufacturer's Identification - Bryant 70520NP and 70520NC
Description - Heavy duty locking plug and connector
Type - 2-pole, 3-wire, grounding
Rating - 20A 125V, NEMA L5-20

### Certification

UL Listed Standard 498 (attachment plug and receptacles)  
 Certified to CSA Standard C22.2 No. 42 (general use receptacles, attachment plugs and similar devices) and C22.2 No. 182.2 (industrial locking type, special use attachment plugs, receptacles and connectors) where applicable  
 UL Listed, Guide AXUT  
 CSA Certified, Guide 20T2  
 Federal Specifications WC596 (where applicable)  
 Complies with NEMA® standards WD-1, WD-6 and UL-498

### Material

Components	Materials
Face/terminal assembly	Nylon
Cover (housing)	Toughened nylon
Terminal cover	Clear polycarbonate
Cord grip assembly	Impact modified nylon
Plug blades	Brass (neutral blade nickel-plated)
Connector contacts	High performance copper alloy
Terminal clamp nut	Zinc-plated steel
Terminal screws	#10-32 brass, silver finish (neutral screw), green finish (grounding screw)
Assembly screws	Zinc-plated steel

### Performance Inches (mm)

Electrical	
Dielectric voltage	Withstands 3500V per UL498
Max. working voltage	600V AC 250V DC
Current interrupting	Certified for current interrupting at full rated current
Temperature rise	Maximum 30° temperature rise at full rated current after 50 cycles overload at 150% rated current for either AC or DC applications per UL498
Mechanical	
Terminal identification	(X, Y, Z brass, hot) (G, green, grounding) (W, silver, neutral)
Terminal accommodation	#18-8 AWG flexible cord
Product identification	Ratings and NEMA identification are permanently marked on device
Cord grip range	3-wire .30"-.95" (7.6-24.1mm), 4-, 5-wire .47"-1.15" (11.8-29.2mm)
Environmental	
Flammability	HB or better per UL 94 or CSA 22.2 No. 17
Operating temperatures	Maximum continuous 60°C, minimum -40°C without impact

### Locking Receptacle

<b>Description</b>
Manufacturer's Identification - Bryant 70520FR
Description - Heavy duty locking receptacle
Type - 2-pole, 3-wire, grounding
Rating - 20A 125V, NEMA L5-20

### Certification

UL Listed Standard 498 (attachment plug and receptacles)  
 Certified to CSA Standard C22.2 No. 42 (general use receptacles, attachment plugs and similar devices) and C22.2 No. 182.2 (industrial locking type, special use attachment plugs, receptacles and connectors) where applicable  
 UL Listed, Guide RTRT  
 CSA Certified, Guide 365-E-1  
 Federal Specifications WC596 (where applicable)  
 Complies with NEMA® standards WD-1, WD-6

### Material Inches (mm)

Components	Materials
Base	Reinforced thermoplastic polyester
Face	Nylon
Terminal contacts	.040" (1.0) copper alloy
Terminal clamp	.040" (1.0) copper alloy
Ground contact (5-wire)	.040" (1.0) copper alloy
Ground shunt	.015" (.3) copper alloy
Mounting straps	.050" (1.3) steel (nickel-plated)
Back plate	.040" (1.0) plated copper alloy
Terminal screws	#10 brass
Self-grounding clip	Stainless steel (IG and 4-pole, 4-wire receptacles)
Mounting screws	Plated steel

### Performance

Electrical	
Dielectric voltage	Withstands 2,000V minimum
Max. working voltage	250V
Current interrupting	Certified for current interrupting at full rated current
Temperature rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated direct current
Mechanical	
Terminal identification	Terminals identified in accordance with UL 498 (brass, white, green)
Terminal accommodation	#14-10 AWG (solid or stranded) copper conductor only
Product identification	Ratings are a permanent part of the device
Environmental	
Flammability	Top: UL 94 V2., Base: UL 94 V2
Operating temperatures	Maximum continuous 60°C, minimum -40°C without impact

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

# Section I

## Watertight Products

Table of Contents	Page
<b>Watertight Straight Blade Devices</b>	
15 and 20 Amp Straight Blade Devices . . . . .	I-4
<b>Watertight Locking Devices</b>	
15 Amp Locking Devices . . . . .	I-5
20 Amp Locking Devices . . . . .	I-6
30 Amp Locking Devices . . . . .	I-7
<b>Accessories</b>	
Lift Cover Assembly and Replacement Interiors . . . . .	I-8
<b>FD Boxes and Angled Adapters</b>	
Boxes and Adapters . . . . .	I-9
<b>GFCI Protected FD Boxes</b>	
Watertight FD Boxes with GFCI Module . . . . .	I-10
<b>Weather Protective Lift Covers, Portable Outlet Boxes and Plates</b>	
Lift Covers, Portable Outlets and Plates . . . . .	I-11
<b>Technical Information</b>	
Watertight Straight Blade and Locking . . . . .	I-12



### Watertight Devices

- The triple bypass seal provides a Watertight UL Type 4X and IP69K seal where devices are mated
- The cone seal at the cable entrance provides protection from water ingress
- Strongest strain relief for any Watertight device on the market, utilizing the patented Gotcha ring and collapsible bushing combination
- Nickel plated brass contacts and stainless steel screws provide corrosion resistance for metallic components
- Impact resistant, smooth, thermoplastic elastomer body helps collection point and aids in easy debris removal
- Floating cap rings allows for easy removal of dirt and debris



### Industry's First Devices

Superior water ingress protection uniquely designed for the most extreme wash down procedures, withstanding hot and high pressure water, in addition to excessively dusty environments.



#### Housing Design

- LED version illuminates to let you know that the device is wired properly
- Smooth body design minimizes collection points simplifying the wash down process
- Strain relief nut always seals on the body regardless of cable size, eliminating areas of debris collection



#### Cord Range

- Bryant's patented Gotcha® ring and collapsible bushing yields the industry's best strain relief
- Cone seal adjusts to any cable range
- Unique cone seal prevents dirt and debris from collecting at the cable entrance



#### Protection

- Triple bypass seal keeps water away from electrical connections and works with previously installed devices
- Free-floating cap allows unwanted material to wash away during sanitation



#### Assembly

- Keyed interior for easy installation
- All stainless steel hardware and corrosion resistant connection points



#### Terminals and Plug Blades

- High conductivity brass termination
- Corrosion resistant connection points



Gotcha® is a registered trademark of Hubbell, inc.

# Watertight Products

## Features and Benefits

### Watertight Receptacles with Lift Covers

Bryant Watertight receptacles with lift covers provide an impact resistant UL Type 4X seal combined with corrosion resistant metallic components. These universal covers can house any NEMA listed straight blade receptacles as well as any NEMA listed locking receptacles. The Watertight receptacles can either be mounted to FD/FS boxes (see page I-10) or panel mounted to a flat surface. Combined, this makes a diversified product with the high quality needed in industrial, wet and wash down applications.

UL Type 4, 4X

IP65, 66, 67, 69k

SUITABILITY



Housing Design



Assembly

- Stainless steel mounting hardware
- Stainless steel hinge spring and pin



Safety

- Lockable cover meets OSHA Lockout/Tagout regulations



## 15 and 20 Amp Straight Blade Devices

### 15A and 20A Straight Blade Plugs, Connectors and Receptacles Inches (mm)

#### UL Type 4, 4X, 6P

#### IP65, 66, 67, 69k\*

SUITABILITY



Rating Plug	Rating Connector	Poles/ Wires	Cord Diameter	Color	Thermoplastic Elastomer			
					Plug	Connector	Receptacle with Lift Cover	Duplex Recept. with Lift Cover
NEMA 5-15, 15A 125V 	2-Pole 3-Wire 	2-Pole 3-Wire	.325"-.625" (8.3-15.9)	Yellow Black Clear	<b>BRY14W47</b> <b>BRY14W47BK</b> <b>BRY14W47WC</b>	<b>BRY15W47</b> <b>BRY15W47BK</b> <b>BRY15W47WC</b>	<b>BRY60W47</b> <b>BRY60W47BK</b> —	<b>BRY60W47D</b> —
NEMA 6-15, 15A 250V 	2-Pole 3-Wire 	2-Pole 3-Wire	.325"-.625" (8.3-15.9)	Yellow	<b>BRY14W49</b>	<b>BRY15W49</b>	<b>BRY60W49</b>	<b>BRY60W49D</b>
NEMA 5-20, 20A 125V 	2-Pole 3-Wire 	2-Pole 3-Wire	.325"-.625" (8.3-15.9)	Yellow	<b>BRY14W33</b> <b>BRY14W33WC</b>	<b>BRY15W33</b> <b>BRY15W33WC</b>	<b>BRY60W33</b> —	<b>BRY60W33D</b> —
NEMA 6-20, 20A 250V 	2-Pole 3-Wire 	2-Pole 3-Wire	.325"-.625" (8.3-15.9)	Yellow	<b>BRY14W48</b>	<b>BRY15W48</b>	<b>BRY60W48</b>	<b>BRY60W48D</b>

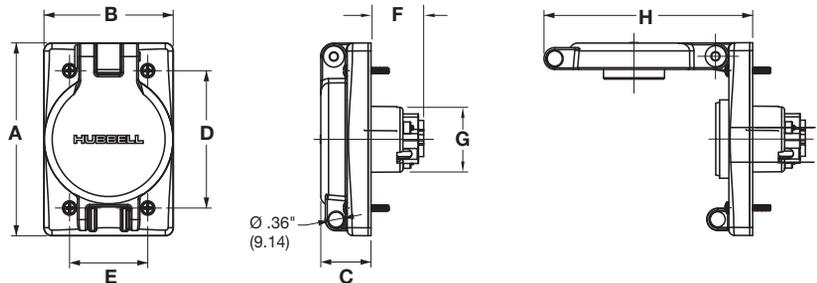
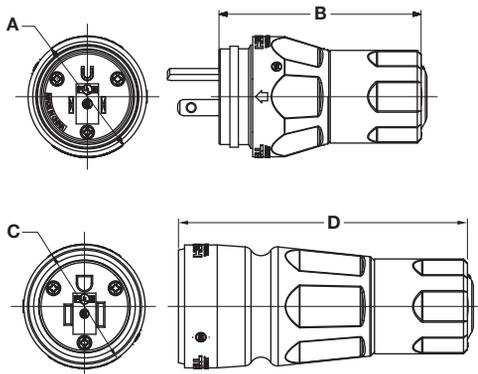
Note: \*Single and duplex receptacles while in use, not with cover closed.  
Black devices are available, consult factory.

### Product Dimensions Inches (mm)

15A and 20A Straight Blade	
A	
B	
C	
D	

### 15A and 20A Straight Blade Receptacles

A	4.56" (115.9)
B	3.10" (78.7)
C	1.20" (30.6)
D	3.25" (82.6)
E	1.88" (47.6)
F	1.26" (32.0)
G	1.63" (41.4)
H	5.00" (127.0)



### 15A Locking Plugs, Connectors and Receptacles Inches (mm)

**UL Type 4, 4X, 6P**

**IP65, 66, 67, 69k\***

SUITABILITY



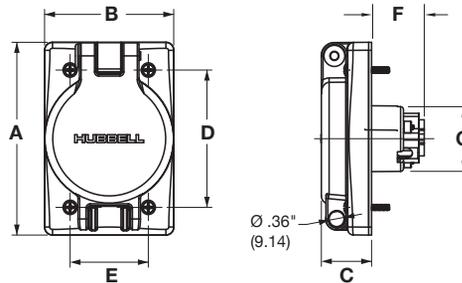
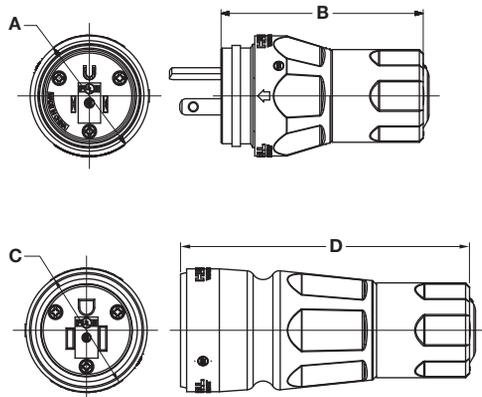
Plug	Rating Connector	Poles/ Wires	Cord Diameter	Color	Thermoplastic Elastomer			
					Plug	Connector	Receptacle	Duplex Receptacle
 	NEMA L5-15, 15A 125V	2-Pole 3-Wire	.300"-.625" (7.6-15.9)	Yellow	<b>BRY24W47</b>	<b>BRY25W47</b>	<b>BRY65W47</b>	<b>BRY65W47D</b>
				Black	<b>BRY24W47BK</b>	<b>BRY25W47BK</b>	—	—
				Clear	<b>BRY24W47WC</b>	<b>BRY25W47WC</b>	—	—
 	NEMA L6-15, 15A 250V	2-Pole 3-Wire	.300"-.625" (7.6-15.9)	Yellow	<b>BRY24W49</b>	<b>BRY25W49</b>	<b>BRY65W49</b>	<b>BRY65W49D</b>
				Black				
 	NEMA L7-15, 15A 277V AC	2-Pole 3-Wire	.300"-.625" (7.6-15.9)	Yellow	<b>BRY24W34</b>	<b>BRY25W34</b>	<b>BRY65W34</b>	<b>BRY65W34D</b>
				Black	<b>BRY24W34BK</b>	<b>BRY25W34BK</b>	—	—

Note: \*Single and duplex receptacles while in use, not with cover closed.  
Black devices are available, consult factory.

### Product Dimensions Inches (mm)

	15A Locking	20A Locking	30A Locking	15A and 20A Straight Blade Receptacles	15A, 20A and 30A Locking Receptacles
A				4.56" (115.9)	4.56" (115.9)
B				3.10" (78.7)	3.10" (78.7)
C				1.20" (30.6)	1.20" (30.6)
D				3.25" (82.6)	3.25" (82.6)
				1.88" (47.6)	1.88" (47.6)
				1.26" (32.0)	1.26" (32.0)
				1.63" (41.4)	1.63" (41.4)

Note: For BRY26W09 and BRY27W09 use 20 amp locking dimensions.



15A Locking
F 1.46" (37.1)
G 1.63" (41.4)
20A and 30A Locking
F 1.72" (43.7)
G 2.25" (57.2)
20A Locking Non-NEMA
F 2.26" (57.4)
G 2.25" (57.2)
30A Locking Non-NEMA
F 1.97" (50.0)
G 2.25" (57.2)

## 20 Amp Locking Devices

### 20A Locking Plugs, Connectors and Receptacles Inches (mm)

**UL Type 4, 4X, 6P**

**IP65, 66, 67, 69k\***

SUITABILITY



Plug	Rating Connector	Poles/ Wires	Cord Diameter	Color	Thermoplastic Elastomer		
					Plug	Connector	Receptacle
NEMA L5-20, 20A 125V 		2-Pole 3-Wire	.325"-.750" (8.3-19.1)	Yellow Black	<b>BRY26W47</b> <b>BRY26W47BK</b>	<b>BRY27W47</b> <b>BRY27W47BK</b>	<b>BRY67W47</b> —
NEMA L6-20, 20A 250V 		2-Pole 3-Wire	.325"-.750" (8.3-19.1)	Yellow Black Clear	<b>BRY26W48</b> <b>BRY26W48BK</b> <b>BRY26W48WC</b>	<b>BRY27W48</b> <b>BRY27W48BK</b> <b>BRY27W48WC</b>	<b>BRY67W48</b> <b>BRY67W48BK</b>
NEMA L7-20, 20A 277V AC 		2-Pole 3-Wire	.325"-.750" (8.3-19.1)	Yellow	<b>BRY26W49</b>	<b>BRY27W49</b>	<b>BRY67W49</b>
NEMA L14-20, 20A 125/250V AC 		3-Pole 4-Wire	.325"-.875" (8.3-22.2)	Yellow	<b>BRY26W74</b>	<b>BRY27W74</b>	<b>BRY67W74</b>
NEMA L15-20, 20A 3Ø 250V AC 		3-Pole 4-Wire	.325"-.875" (8.3-22.2)	Yellow Black	<b>BRY26W75</b> <b>BRY26W75BK</b>	<b>BRY27W75</b> <b>BRY27W75BK</b>	<b>BRY67W75</b> <b>BRY67W75BK</b>
NEMA L16-20, 20A 3Ø 480V AC 		3-Pole 4-Wire	.325"-.875" (8.3-22.2)	Yellow Black	<b>BRY26W76</b> <b>BRY26W76BK</b>	<b>BRY27W76</b> <b>BRY27W76BK</b>	<b>BRY67W76</b> <b>BRY67W76BK</b>
NEMA L21-20 20A 3ØY 120/208V AC 		4-Pole 5-Wire	.350"-.1150" (9-29)	Yellow Black	<b>BRY26W81</b> <b>BRY26W81BK</b>	<b>BRY27W81</b> <b>BRY27W81BK</b>	<b>BRY67W81</b> —
NEMA L22-20 20A 3ØY 277/480V AC 		4-Pole 5-Wire	.350"-.1150" (9-29)	Yellow	<b>BRY26W82</b>	<b>BRY27W82</b>	<b>BRY67W82</b>
NEMA L23-20 20A 3ØY 347/600V 		4-Pole 5-Wire	.350"-.1150" (9-29)	Yellow	<b>BRY26W83</b>	<b>BRY27W83</b>	<b>BRY67W83</b>
20A 125/250V, Non-NEMA 		3-Pole 3-Wire	.325"-.875" (8.3-22.2)	Yellow	<b>BRY26W08</b>	<b>BRY27W08</b>	<b>BRY67W08</b>
20A 3ØY 120/208V AC Non-NEMA 		4-Pole 4-Wire	.375"-.1125" (9.5-28.6)	Yellow	<b>BRY26W09</b>	<b>BRY27W09</b>	<b>BRY67W09</b>

Note: \*Single receptacles while in use, not with cover closed.  
Black devices are available, consult factory.  
See page I-4 for product dimensions.

### 30A Locking Plugs, Connectors and Receptacles Inches (mm)

**UL Type 4, 4X, 6P**

**IP65, 66, 67, 69k\***

SUITABILITY

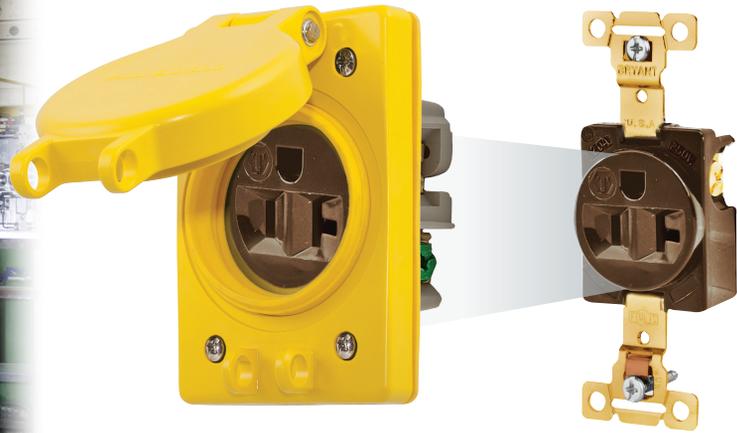


Rating		Poles/ Wires	Cord Diameter	Color	Thermoplastic elastomer		
Plug	Connector				Plug	Connector	Receptacle
NEMA L5-30, 30A 125V		2-Pole 3-Wire	.385"-.930" (9.8-23.6)	Yellow	BRY28W47	BRY29W47	BRY69W47
				Black	BRY28W47BK	BRY29W47BK	—
NEMA L6-30, 30A 250V		2-Pole 3-Wire	.385"-.930" (9.8-23.6)	Yellow	BRY28W48	BRY29W48	BRY69W48
				Black	—	—	BRY69W48BK
NEMA L7-30, 30A 277V		2-Pole 3-Wire	.385"-.930" (9.8-23.6)	Yellow	BRY28W49	BRY29W49	BRY69W49
				Black	—	—	—
NEMA L14-30, 30A 125/250V		3-Pole 4-Wire	.385"-.930" (9.8-23.6)	Yellow	BRY28W74	BRY29W74	BRY69W74
				Black	—	—	—
NEMA L15-30, 30A 3Ø 250V AC		3-Pole 4-Wire	.385"-1.050" (9.8-26.7)	Yellow	BRY28W75	BRY29W75	BRY69W75
				Black	BRY28W75BK	BRY29W75BK	BRY69W75BK
NEMA L16-30, 30A 3Ø 480V AC		3-Pole 4-Wire	.385"-1.050" (9.8-26.7)	Yellow	BRY28W76	BRY29W76	BRY69W76
				Black	BRY28W76BK	BRY29W76BK	BRY69W76BK
NEMA L17-30, 30A 3Ø 600V AC		3-Pole 3-Wire	.385"-.930" (9.8-23.6)	Yellow	BRY28W77	BRY29W77	BRY69W77
				Black	—	—	—
NEMA L18-30, 30A 3ØY 120/208V AC		4-Pole 4-Wire	.385"-1.050" (9.8-26.7)	Yellow	BRY28W78	BRY29W78	—
				Black	—	—	—
NEMA L21-30 30A 3ØY 120/208V AC		4-Pole 5-Wire	.350"-1.150" (9-29)	Yellow	BRY28W81	BRY29W81	BRY69W81
				Black	BRY28W81BK	BRY29W81BK	—
NEMA L22-30 30A 3ØY 277/480V AC		4-Pole 5-Wire	.350"-1.150" (9-29)	Yellow	BRY28W82	BRY29W82	BRY69W82
				Black	—	—	—
NEMA L23-30 30A 3ØY 347/600V AC		4-Pole 5-Wire	.350"-1.150" (9-29)	Yellow	BRY28W83	BRY29W83	BRY69W83
				Black	—	—	—
30A 125/250V, Non-NEMA		3-Pole 3-Wire	.385"-.930" (9.8-23.6)	Yellow	BRY28W08	BRY29W08	BRY69W08
				Black	—	—	—
30A 3ØY 120/208V AC, Non-NEMA		4-Pole 4-Wire	.385"-1.050" (9.8-26.7)	Yellow	BRY28W09	BRY29W09	—
				Black	—	—	—

Note: \*Single receptacles while in use, not with cover closed. Black devices are available, consult factory.  
See page I-5 for product dimensions.

# Watertight Products

## Accessories



Watertight Lift Covers, for use with standard receptacles.

### Watertight Lift Covers



UL Type 4X

**IP65, 66**  
SUITABILITY



Description	Receptacle with Lift Cover
For use with 15A or 20A straight blade receptacles and 15A locking receptacles, receptacle not included	<b>BRY6500</b>
For use with 20A locking receptacles, receptacle not included	<b>BRY6700</b>
<i>Note: When mating with BRY26W09, 20 amp Non-NEMA plug, use BRY6800 cover.</i>	
For use with 30A locking receptacles, receptacle not included	<b>BRY6800</b>

### Replacement Interiors



Device	Rating	Interiors	
		Plug	Receptacle
Straight blade Locking	15A 125V	<b>BRY14W47IN</b>	<b>BRY15W47IN</b>
		<b>BRY24W47IN</b>	—
		—	<b>BRY27W47IN</b>
Locking	20A 3Ø 250V AC	<b>BRY26W75IN</b>	—
	20A 3Ø 480V AC	<b>BRY26W76IN</b>	<b>BRY27W76IN</b>
	30A 3Ø 250V AC	<b>BRY28W75IN</b>	<b>BRY29W75IN</b>
Locking	30A 3Ø 480V AC	<b>BRY28W76IN</b>	<b>BRY29W76IN</b>



UL Type 4X

IP65, 66, 69k\*

SUITABILITY



#### Housing Design

- 30 cu. in. FD box made of high impact thermoplastic material
- 3/4" NPT and 1" NPT threaded hub options
- Stainless steel mounting/grounding bracket
- External mounting feet, accepts #10 screw



#### Adapter

- 55° angle adapter (15 cu. in.)
- External mounting feet, accepts #8 screw
- Accepts duplex and single receptacles up to a 50A locking

UL Type 4X

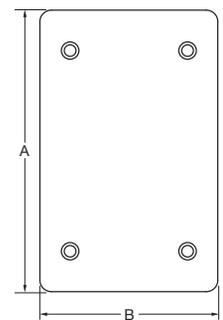
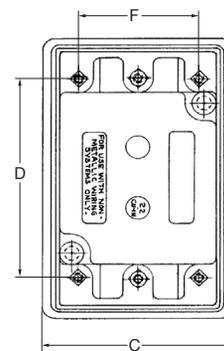
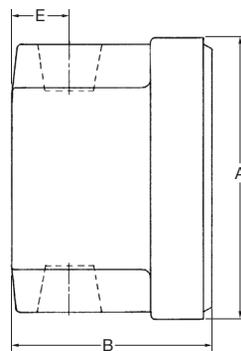
IP65, 66, 69k\*

SUITABILITY



### Product Dimensions Inches (mm)

	Portable Outlet Boxes	Blank Cover Plates
A		
B		
C		
D		
E		
F		



FD Boxes

Blank Cover Plates

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

### GFCI Protected FD Boxes



#### GFCI Housing Design

- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- 30A, 120V and 240V with auto reset
- GFCI response time is .025 sec. Max.
- Grounded neutral protection trips if ground and neutral touch at load side



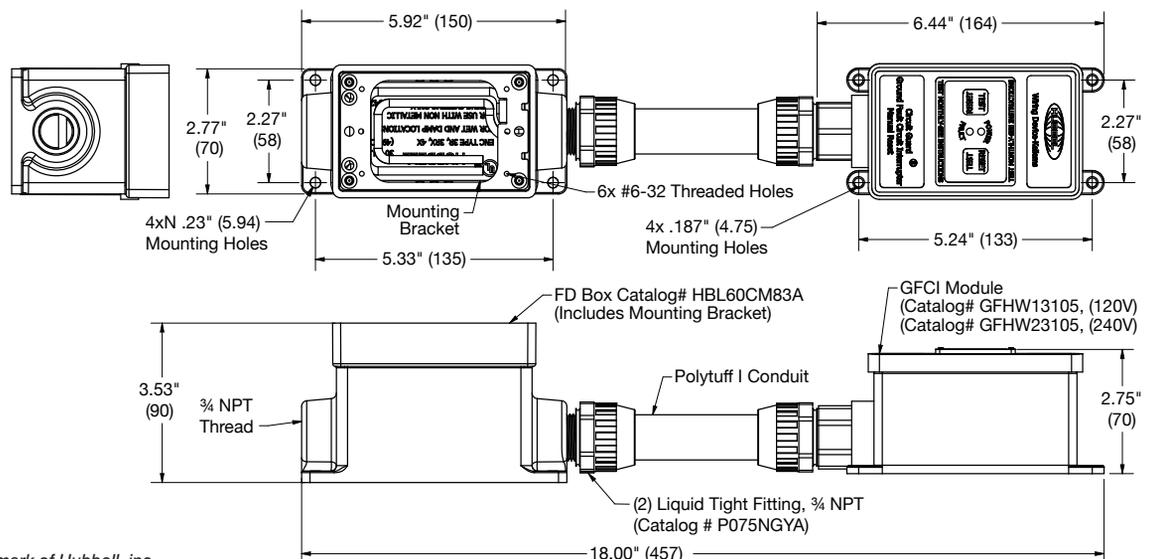
#### FD Box

- Utilizes PolyTuff<sup>®</sup> liquidtight conduit and fittings
- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- For use with single and duplex watertight receptacles (single p hase only)

Note: Watertight receptacles purchased separately.



### Product Dimensions Inches (mm)



Gotcha<sup>®</sup> is a registered trademark of Hubbell, inc.



- Impact-resistant PBT material
- UL Type 3R seal on a panel or on a portable outlet box
- Stainless steel hinge and spring

### Pre-Assembled Portable Outlet Boxes (with Cord Connector Installed) Inches (mm)

**Box Suitable for Wet and Damp Locations**

**IP44**  
SUITABILITY



Description	Cord Range	Color	Deep	Deep with Feed-Thru	Deep with (2) Duplex Cover Plates
Portable outlet boxes	0.38"-0.50" (9.7-12.7)	Yellow	<b>BRY3099</b>	<b>BRY3090F</b>	<b>BRY3000</b>

Note: For use with NEMA Type 1 and Type 3R portable outlet box covers listed below.

### Portable Outlet Box Cover Plates (NEMA Type 1) and Lift Covers (Type 3R)

**UL Type 1, 3R**

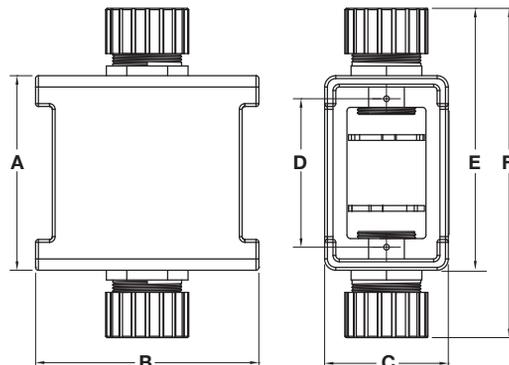
**IP65, 66**  
SUITABILITY



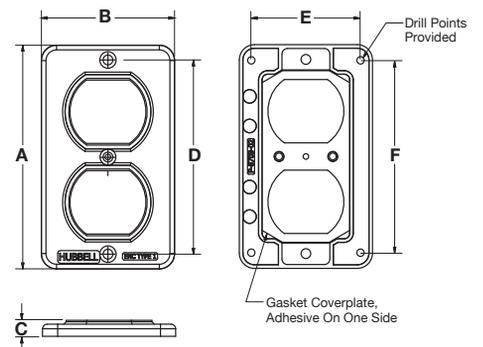
Description	Duplex		1.39" Diameter Receptacle		1.572" Diameter Receptacle		GFCI		Blank
	Box Cover UL Type 1	Lift Cover UL Type 3R	Box Cover UL Type 1	Lift Cover UL Type 3R	Box Cover UL Type 1	Lift Cover UL Type 3R	Box Cover UL Type 1	Lift Cover UL Type 3R	Lift Cover UL Type 3R
Portable outlet box cover plates	<b>BRY3051</b>	<b>BRY3056</b>	<b>BRY3052</b>	<b>BRY3057</b>	<b>BRY3055</b>	<b>BRY3058</b>	<b>BRY3060</b>	<b>BRY3061</b>	<b>BRY3054</b>

### Product Dimensions

Portable Outlet Boxes	
A	
B	
C	
D	
E	
F	
Box Covers	
A	3.78" (96.0)
B	2.28" (57.9)
C	0.27" (6.9)
D	3.28" (83.3)
E	1.87" (47.5)
F	3.25" (82.6)



Style shown is representative of all openings.



# Watertight Products

## Technical Information

### Materials

Plug/Connector	Materials
Blade/contact carrier	Nylon, white
Terminal retainer	Polycarbonate, clear
Housing	Thermoplastic elastomer
Housing insert	Nylon, white
Strain relief nut	PBT thermoplastic, gray
Blades/contacts	Brass, nickel plated
Terminal screws	Brass
Terminal screw size	#8-32 15A/20A Straight blade and 15A Locking, #10-32 20A and 30A Locking
Assembly screws	Stainless steel
Bushings	Thermoplastic elastomer, black
Gotcha ring	Nylon
Cone seal	Thermoplastic elastomer, black
Closure cap	Thermoplastic elastomer
Receptacle Assembly	Materials
Base, flip lid and backplate	PBT thermoplastic
Seal collar	Thermoplastic elastomer
Mounting screws	Stainless steel
Spring and hinge pin	Stainless steel
Portable Outlet Box & Accessories	Materials
Box enclosure	Thermoplastic elastomer
Strain relief nut	PBT thermoplastic
Grommet	Thermoplastic elastomer
Gotcha ring	Nylon
Locknut	Steel, zinc plate
Threaded inserts	Brass
Receptacle screw	Stainless steel
Cover plate	PBT thermoplastic
Cover plate seal	Neoprene
Cover plate spring	Stainless steel
Hinge pin	Stainless steel
Hinge bracket	Zinc plated steel
Rivets	Zinc plated steel

### Specifications

Listings (Plug/Connector and Flip Lid Assembly)
Listed to UL498
Certified to CSA C22.2 No. 42
Meets NEMA® WD-1, WD-6, and ANSI Standards
IP66 Suitability
NSF Certified (plugs, connectors and receptacles)

FD Box/Adapter	Materials
Box enclosure	PBT thermoplastic
Ground bracket	316 stainless steel
Ground screw	Brass
Angle adapter	PBT thermoplastic
Environmental	
Box	UL Type 4X (with UL Type 4X receptacle assembly) UL Type 3R (with weatherproof cover plate)

### Performance Inches (mm)

Electrical	
Dielectric voltage	
Connectors:	2000V AC if rated 300V or less, 3000V AC if rated above 300V
Plugs:	2500V AC if rated 300V or less, 3500V AC if rated above 300V
Max working voltage	As marked
Current interrupting	Rated for current interruption per UL498
Temperature rise	30°C max per UL498 at rated current
Mechanical	
Cord and terminal accommodations:	
Plugs and Connectors	
15 and 20A Straight blade and 15A Locking	#16/3 SJ to #10/3 SJ, #18/3 S to #12/3 S (Ø.325" to Ø.625") (Ø8.3mm to Ø15.9 mm)
20A Locking except BRY26W09 & BRY27W09	Min. cord: #16/3 SJ, #18/3 S, #18/4 SJ, #18/4 S, #18/5 S (Ø.325") (Ø8.3 mm) Max. cord: #10/3 S, #10/4 S, #10/5 S (.875") (22.2 mm)
30A Locking including BRY26W09 & BRY27W09	Min. cords: #12/3 SJ, #16/3 S, #14/4 SJ, #18/4 S, #18/5 S (Ø.375") (Ø9.5 mm) Max. cord: #8/3 S, #8/4 S, #10/5 S (1.125") (28.6 mm)
Receptacles – use solid or stranded building wire or flexible cord only as outlined below:	
All Straight blade	#18 AWG to #10 AWG
15A Locking	#18 AWG to #10 AWG
20A and 30A Locking	#18 AWG to #8 AWG
Portable Outlet Boxes	
Cord range	.38" to .68" (BRY3099, BRY3090F, BRY3000) and .38" to 1.00" with user-specified cord connector
Wiring volume	19.0 in <sup>3</sup>
Environmental	
Moisture resistance	UL Listed to 3R, 3RX, 4, 4X, 6, 6P, 12 (plugs and connectors), 3R, 3RX, 4, 4X (receptacles), wet and damp locations (portable outlet boxes), covers (POB) UL Type 3R and wet locations cover closed
Flammability	UL94V0 (boxes, covers, and plates), UL94V2 (plugs, connectors, and interiors), UL94HB (caps, bushings, and cone seals)
Operating temperatures	-40°C (without impact) to +60°C continuous
UV resistance	All exposed materials are UV stabilized

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

# Section J

## Corrosion-Resistant Devices

Table of Contents	Page
-------------------	------

### Corrosion-Resistant Straight Blade Devices

15 and 20 Amp 125V, 2-Pole 3-Wire Grounding . . . . .	J-2
15 and 20 Amp 250V, 2-Pole 3-Wire Grounding . . . . .	J-2

### Corrosion-Resistant Locking Devices

15 Amp 125V, 2-Pole 3-Wire Grounding . . . . .	J-3
20 Amp 125V, 2-Pole 3-Wire Grounding . . . . .	J-3
30 Amp 125V, 2-Pole 3-Wire Grounding . . . . .	J-3

### Accessories

Weather Protective Boots. . . . .	J-4
-----------------------------------	-----



# Corrosion-Resistant Devices

## 15 and 20 Amp Straight Blade Devices

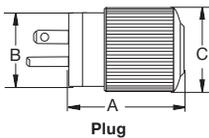


- Nickel-plated copper-alloy metallic components
- Molded of impact/chemical resistant high-visibility yellow nylon
- Stainless steel screws
- Receptacles have a one-piece grounding system with built-in self-grounding strap
- Triple Gripper® cord grip on plugs and connectors which feature three captive assembly screws to automatically tighten cord grip
- Pre-attached thermoplastic elastomer dust seal

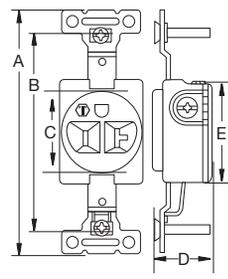
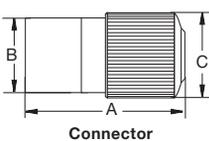
**TECH·SPEC®**



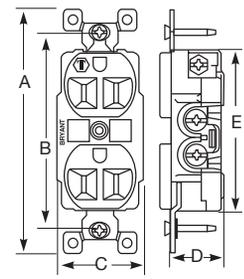
Plug	
A	2.18" (55.4)
B	1.38" (35.1)
C	1.52" (38.5)



Connector	
A	2.95" (74.9)
B	1.38" (35.1)
C	1.52" (38.5)



Single



Duplex

# Corrosion-Resistant Devices



## 15, 20 and 30 Amp Locking Devices



### 15A, 20A and 30A Locking Plugs, Connectors, Receptacles and Cord Set Inches (mm)

**TECH·SPEC®**



Rating Plug Connector	Cord Diameter	Poles/Wires	Color	Clamp-Type Terminals, Back Wired		Nylon Receptacle	
				Nylon Plug	Nylon Connector	Single, Back and Side Wired	Duplex, Back Wired, Clamp-Type Terminals
NEMA L5-15 15A 125V 	.300"-.625" (7.6-15.9)	2-Pole 3-Wire	Yellow	4721NPCR*	4732NCCR*	4710CR*	4700DRCR
NEMA L5-20 20A 125V 	.300"-.950" (7.6-24.1)	2-Pole 3-Wire	Yellow	70520NPCR*	70520NCCR	70520FRCR	—
NEMA L5-30 30A 125V 	.300"-.950" (7.6-24.1)	2-Pole 3-Wire	Yellow	70530NPCR	70530NCCR	70530FRCR	—

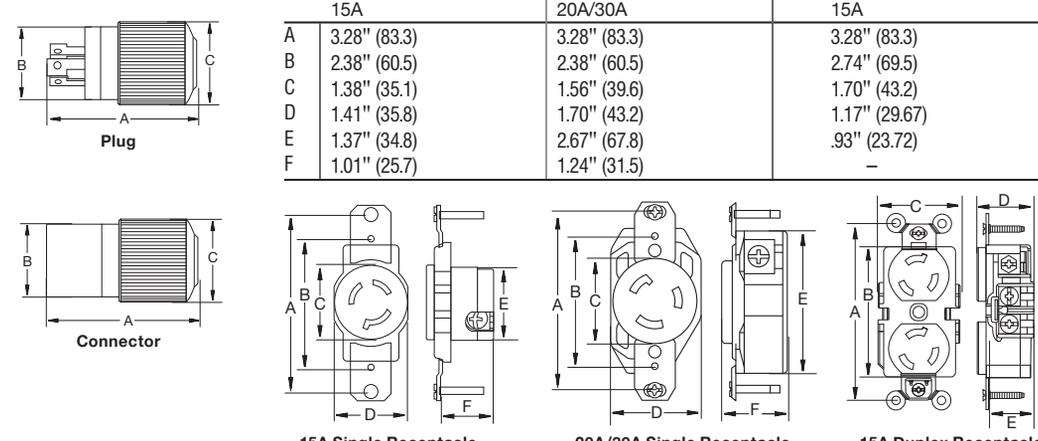
Note: \*Not Fed. Spec.  
See page A-47 for information on weather protective boots.  
See page Q-8 for horsepower ratings.

### Product Dimensions Inches (mm)

	Single Receptacle		Duplex Receptacle
	15A	20A/30A	15A
A	3.28" (83.3)	3.28" (83.3)	3.28" (83.3)
B	2.38" (60.5)	2.38" (60.5)	2.74" (69.5)
C	1.38" (35.1)	1.56" (39.6)	1.70" (43.2)
D	1.41" (35.8)	1.70" (43.2)	1.17" (29.67)
E	1.37" (34.8)	2.67" (67.8)	.93" (23.72)
F	1.01" (25.7)	1.24" (31.5)	—

Connector	
15A	20A/30A
A	2.95" (75.0)
B	1.38" (35.1)
C	1.53" (39.1)
A	3.90" (99.0)
B	1.83" (46.5)
C	2.13" (54.0)

# Corrosion-Resistant Devices

## Accessories - Weather Protective Boots



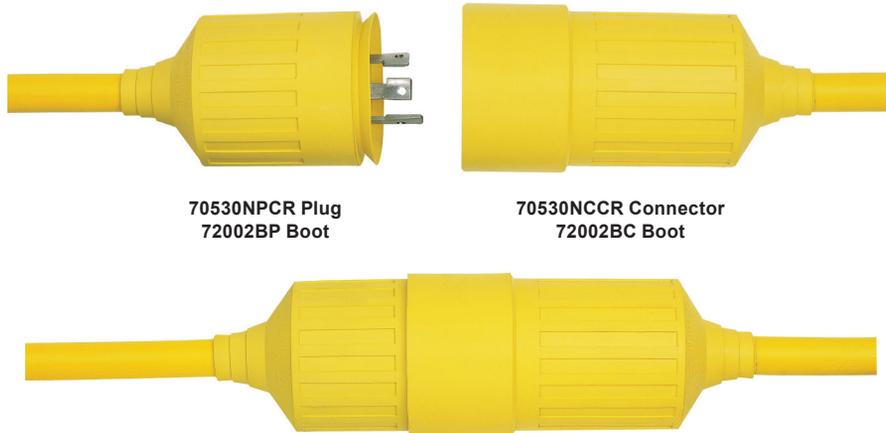
- For use with Bryant Tech-Spec® straight blade and locking plugs and connectors
- Help prevent moisture, dust and other contaminants from infiltrating plugs and connectors
- Thermoplastic elastomer construction in high-visibility yellow
- Excellent ozone and weather resistance and resistant to deterioration by oils and heat
- Connector sealing ring provides extra protection when plug and connector are not mated

### Weather Protective Boots



Description	For use with	Color	For Use with Plugs	For Use with Connectors	Sealing Cap for Use with Connector Boot
Thermoplastic elastomer boot	15 amp nylon straight blade and locking devices	Yellow	<b>5200BP</b>	<b>5200BC</b>	<b>5200BSR</b>
Neoprene boot	20 and 30 amp nylon locking plugs	Yellow	<b>72002BP</b>	<b>72002BC</b>	—

### Weather Protective Boots



**70530NPCR Plug**  
**72002BP Boot**

**70530NCCR Connector**  
**72002BC Boot**

# Section K

## IEC 60309 Pin and Sleeve Devices

Table of Contents	Page
<b>IEC Configurations and Ratings</b> .....	K-5
<b>Watertight Devices</b>	
Product Features .....	K-3
20, 30 and 60 Amp North American Ratings .....	K-4
100 Amp North American Ratings .....	K-5
16, 32, 63 and 125 Amp International Ratings .....	K-5
Dimensional Data .....	K-8
Technical Specifications .....	K-12
<b>Splashproof Devices</b>	
16 and 32 Amp International Ratings .....	K-6
Technical Specifications .....	K-13
<b>Accessories</b>	
Back Boxes, Adapter Plates and Closure Caps .....	K-10
<b>Switched Mechanical Interlocks</b>	
Unfused Mechanical Interlocks .....	K-11
Technical Specifications .....	K-14
<b>Technical Specifications</b>	
Watertight Devices .....	K-12
Splashproof Devices .....	K-13
Mechanical Interlocks .....	K-14
Horsepower Ratings .....	K-14



# IEC 60309 Pin and Sleeve Devices

IEC Configurations Make Safe Connections As Easy As Clockwork

## IEC 60309 Watertight IEC Pin and Sleeve

**IP67**  
SUITABILITY

- 20, 30, 60 and 100A - cULus for use in North America
- 16, 32, 63 and 125A - VDE listed for use Internationally
- Dual rated devices - cULus and VDE listed



### Why Bryant

- Value engineered to balance price and performance
- Significantly improves installation time reducing cost
- Accepts full range of UL and VDE approved cables
- Withstands demanding applications
- Complete offering of IP67 and IP44 devices
- Dual rated versions available where applicable



### Ideal for:

- OEMs
- Food Processing
- Heavy Duty Industrial Applications
- Pharmaceutical
- Data Center
- Entertainment
- Transportation
- Commercial Applications

# IEC 60309 Pin and Sleeve Devices

## Watertight Pin and Sleeve Features

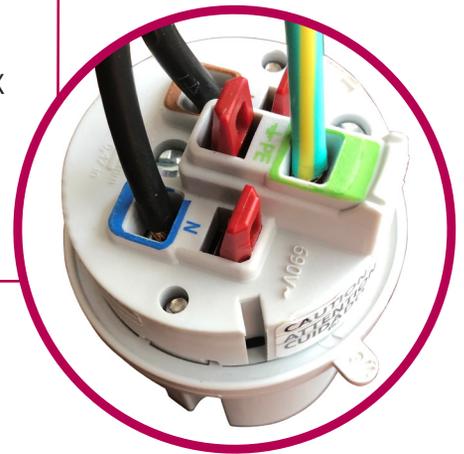
### Bryant's Comprehensive Product Line

- Multiple new installation efficiencies
- Complete offering of both IP67 and IP44 device
- Dual rated devices for use in North America and Internationally
- Screwless two piece housing for 60A and 100A devices

### Improve installation time by over 80%

The only UL approved screwless terminations in the world for 30/32A IEC 60309 pin and sleeve

- Strong spring continuously applies pressure as strands relax
- Eliminates timely step of ferrules
- No torque screwdriver required



### Design Features:

Tough insulated PBT housing provides increased safety and maximum impact and abuse resistance

- Solid pin construction provides for long life and reliable electrical contact
- Shrouding protects the pins from impact and abuse
- Product is easily identified by color coded housings and product labels

# IEC 60309 Pin and Sleeve Devices



## Watertight Series North American Ratings

Amps	Poles/Wires	Dual Rated	Ratings	Config-uration	Watertight IP67 Suitability				Back Box*	Closure Cap**
					Inlet	Connector	Plug	Receptacle		
16/20	2P/3W		16A 100-130V		BRY316B4W	BRY316C4W	BRY316P4W	BRY316R4W	BB201WA BB301WA	CC320A
			20A 125V AC		BRY320B4W	BRY320C4W	BRY320P4W	BRY320R4W		
			20A 480V AC		BRY320B7W	BRY320C7W	BRY320P7W	BRY320R7W		
	3P/4W		20A 3Ø 600V		BRY420B5W	BRY420C5W	BRY420P5W	BRY420R5W	BB201WA BB301WA	CC420A
			20A 3Ø 480V		BRY420B7W	BRY420C7W	BRY420P7W	BRY420R7W		
	4P/5W	Dual Rated	16/20A 250VAC		BRY420B9W	BRY420C9W	BRY420P9W	BRY420R9W	BB201WA BB301WA	CC520
			20A 347/600V		BRY520B5W	BRY520C5W	BRY520P5W	BRY520R5W		
		Dual Rated	16/20A 200-415VAC		BRY520B6W	BRY520C6W	BRY520P6W	BRY520R6W		
			20A 277/480V		BRY520B7W	BRY520C7W	BRY520P7W	BRY520R7W		
	Dual Rated	16/20A 120/208V		BRY520B9W	BRY520C9W	BRY520P9W	BRY520R9W			
30/32	2P/3W		32A 100-130V		BRY332B4W	BRY332C4W	BRY332P4W	BRY332R4W	BB201WA BB301WA	CC330
			30A 125V AC		BRY330B4W	BRY330C4W	BRY330P4W	BRY330R4W		
			30A 480V AC		BRY330B7W	BRY330C7W	BRY330P7W	BRY330R7W		
	3P/4W		32A 380-480V		BRY432B3W	BRY432C3W	BRY432P3W	BRY432R3W	BB201WA BB301WA	CC330
			30A 3Ø 600V		BRY430B5W	BRY430C5W	BRY430P5W	BRY430R5W		
		Dual Rated	30/32A 380-415VAC		BRY430B6W	BRY430C6W	BRY430P6W	BRY430R6W		
			30A 3Ø 480V		BRY430B7W	BRY430C7W	BRY430P7W	BRY430R7W		
	4P/5W	Dual Rated	30/32A 3P 250 VAC		BRY430B9W	BRY430C9W	BRY430P9W	BRY430R9W	BB201WA BB301WA	CC530
			30A 347/600V		BRY530B5W	BRY530C5W	BRY530P5W	BRY530R5W		
Dual Rated		30/32A 200-415VAC		BRY530B6W	BRY530C6W	BRY530P6W	BRY530R6W			
		30A 277/480V		BRY530B7W	BRY530C7W	BRY530P7W	BRY530R7W			
	Dual Rated	30/32A 120/208V		BRY530B9W	BRY530C9W	BRY530P9W	BRY530R9W			
60/63	2P/3W		60A 125V AC		BRY360B4W	BRY360C4W	BRY360P4W	BRY360R4W	BB601WA BB602WA	CC560
			60A 480V AC		BRY360B7W	BRY360C7W	BRY360P7W	BRY360R7W		
	3P/4W		60A 3Ø 600V		BRY460B5W	BRY460C5W	BRY460P5W	BRY460R5W		
		Dual Rated	60/63A 380-415VAC		BRY460B6W	BRY460C6W	BRY460P6W	BRY460R6W		
			60A 3Ø 480V		BRY460B7W	BRY460C7W	BRY460P7W	BRY460R7W		
	4P/5W	Dual Rated	60/63A 3P 250 VAC		BRY460B9W	BRY460C9W	BRY460P9W	BRY460R9W		
			60A 347/600V		BRY560B5W	BRY560C5W	BRY560P5W	BRY560R5W		
		Dual Rated	60/63A 200-415VAC		BRY560B6W	BRY560C6W	BRY560P6W	BRY560R6W		
			60A 277/480V		BRY560B7W	BRY560C7W	BRY560P7W	BRY560R7W		
	Dual Rated	60/63A 120/208V		BRY560B9W	BRY560C9W	BRY560P9W	BRY560R9W			

Note: \*Back boxes for: 20 and 30 amp receptacles require AP2030 adapter plate (ordered separately). Also see direct mounting back box DM20301 (page K-10) . 60 amp receptacles require AP60 adapter plate (ordered separately). Also see direct mounting back box DM602 (page K-10).

\*\*For use with plugs and inlets. Provides watertight protection.

# IEC 60309 Pin and Sleeve Devices



## Watertight 100 Amp North American Ratings

Amps	Poles/Wires	Dual Rated	Ratings	Configuration	Watertight IP67 Suitability				Back Box*	Closure Cap**
					Inlet	Connector	Plug	Receptacle		
100/125	2P/3W		100A 480V AC		BRY3100B7W	BRY3100C7W	BRY3100P7W	BRY3100R7W	BB1001WA BB1002WA	CC510
	3P/4W		100A 3Ø 600V		BRY4100B5W	BRY4100C5W	BRY4100P5W	BRY4100R5W		
		Dual Rated	100/125A 380-415V AC		BRY4100B6W	BRY4100C6W	BRY4100P6W	BRY4100R6W		
			100A 3Ø 480V		BRY4100B7W	BRY4100C7W	BRY4100P7W	BRY4100R7W		
		Dual Rated	100/125A 3P 250 VAC		BRY4100B9W	BRY4100C9W	BRY4100P9W	BRY4100R9W		
	4P/5W		100A 347/600V		BRY5100B5W	BRY5100C5W	BRY5100P5W	BRY5100R5W		
		Dual Rated	100/125A 200-415V AC		BRY5100B6W	BRY5100C6W	BRY5100P6W	BRY5100R6W		
			100A 277/480V		BRY5100B7W	BRY5100C7W	BRY5100P7W	BRY5100R7W		
Dual Rated		100/125A 120/208V		BRY5100B9W	BRY5100C9W	BRY5100P9W	BRY5100R9W			

## Watertight International Ratings

Amps	Poles/Wires	Dual Rated	Ratings	Configuration	Watertight IP67 Suitability				Back Box*	Closure Cap**
					Inlet	Connector	Plug	Receptacle		
16/20	2P/3W		16A 100-130V		BRY316B4W	BRY316C4W	BRY316P4W	BRY316R4W	BB201WA BB301WA	CC320A
	3P/4W	Dual Rated	16/20A 3P 250 VAC		BRY420B9W	BRY420C9W	BRY420P9W	BRY420R9W	BB201WA BB301WA	CC420A
	4P/5W	Dual Rated	16/20A 200-415V AC		BRY520B6W	BRY520C6W	BRY520P6W	BRY520R6W	BB201WA BB301WA	CC330
		Dual Rated	16/20A 120/208V		BRY520B9W	BRY520C9W	BRY520P9W	BRY520R9W		
30/32	2P/3W		32A 100-130V		BRY332B4W	BRY332C4W	BRY332P4W	BRY332R4W	BB201WA BB301WA	CC330
	3P/4W		32A 380-480V		BRY432B3W	BRY432C3W	BRY432P3W	BRY432R3W		
		Dual Rated	30/32A 380-415V AC		BRY430B6W	BRY430C6W	BRY430P6W	BRY430R6W		
		Dual Rated	30/32A 3P 250 VAC		BRY430B9W	BRY430C9W	BRY430P9W	BRY430R9W		
	4P/5W	Dual Rated	30/32A 200-415V AC		BRY530B6W	BRY530C6W	BRY530P6W	BRY530R6W	BB201WA BB301WA	CC530
		Dual Rated	30/32A 120/208V		BRY530B9W	BRY530C9W	BRY530P9W	BRY530R9W		
60/63	3P/4W	Dual Rated	60/63A 380-415V AC		BRY460B6W	BRY460C6W	BRY460P6W	BRY460R6W	BB601WA BB602WA	CC560
		Dual Rated	60/63A 3P 250 VAC		BRY460B9W	BRY460C9W	BRY460P9W	BRY460R9W		
	4P/5W	Dual Rated	60/63A 200-415V AC		BRY560B6W	BRY560C6W	BRY560P6W	BRY560R6W		
		Dual Rated	60/63A 120/208V		BRY560B9W	BRY560C9W	BRY560P9W	BRY560R9W		

Note: \*Back boxes for: 16 and 32 amp receptacles require AP2030 adapter plate (ordered separately). Also see direct mounting back box DM20301. 63 amp receptacles require AP60 adapter plate (ordered separately). Also see direct mounting back box DM602. 125 amp receptacles require AP100 adapter plate ordered separately (page K-10). \*\*For use with plugs and inlets. Provides watertight protection.

# IEC 60309 Pin and Sleeve Devices



## Splashproof Series North American Ratings

Amps	Poles/ Wires	Dual Rated	Ratings	Configu- ration	Splashproof IP44 Suitability				Back Box*	Closure Cap**	
					Inlet	Connector	Plug	Receptacle			
16/20	2P/3W	Dual Rated	16A 100-130V		BRY316B4S	BRY316C4S	BRY316P4S	BRY316R4S	BB201WA BB301WA	CC320A	
			20A 125V AC		BRY320B4S	BRY320C4S	BRY320P4S	BRY320R4S			
			20A 480V AC		BRY320B7S	BRY320C7S	BRY320P7S	BRY320R7S			
	3P/4W	Dual Rated	20A 3Ø 600V		BRY420B5S	BRY420C5S	BRY420P5S	BRY420R5S	BB201WA BB301WA	CC420A	
			20A 3Ø 480V		BRY420B7S	BRY420C7S	BRY420P7S	BRY420R7S			
			16/20A 3P 250 VAC		BRY420B9S	BRY420C9S	BRY420P9S	BRY420R9S			
	4P/5W	Dual Rated	20A 347/600V		BRY520B5S	BRY520C5S	BRY520P5S	BRY520R5S	BB201WA BB301WA	CC520	
			16/20A 200-415V AC		BRY520B6S	BRY520C6S	BRY520P6S	BRY520R6S			
			20A 277/480V		BRY520B7S	BRY520C7S	BRY520P7S	BRY520R7S			
			16/20A 120/208V		BRY520B9S	BRY520C9S	BRY520P9S	BRY520R9S			
	30/32	2P/3W	Dual Rated	32A 100-130V		BRY332B4S	BRY332C4S	BRY332P4S	BRY332R4S	BB201WA BB301WA	CC330
				30A 125V AC		BRY330B4S	BRY330C4S	BRY330P4S	BRY330R4S		
30A 480V AC					BRY330B7S	BRY330C7S	BRY330P7S	BRY330R7S			
3P/4W		Dual Rated	32A 380-480V		BRY432B3S	BRY432C3S	BRY432P3S	BRY432R3S	BB201WA BB301WA	CC330	
			30A 3Ø 600V		BRY430B5S	BRY430C5S	BRY430P5S	BRY430R5S			
			30/32A 380-415V AC		BRY430B6S	BRY430C6S	BRY430P6S	BRY430R6S			
			30A 3Ø 480V		BRY430B7S	BRY430C7S	BRY430P7S	BRY430R7S			
4P/5W		Dual Rated	30A 347/600V		BRY530B5S	BRY530C5S	BRY530P5S	BRY530R5S	BB201WA BB301WA	CC530	
			30/32A 200-415V AC		BRY530B6S	BRY530C6S	BRY530P6S	BRY530R6S			
			30A 277/480V		BRY530B7S	BRY530C7S	BRY530P7S	BRY530R7S			
			30/32A 120/208V		BRY530B9S	BRY530C9S	BRY530P9S	BRY530R9S			
60/63		2P/3W	Dual Rated	60A 125V AC AC		BRY360B4S	BRY360C4S	BRY360P4S	BRY360R4S	BB601WA BB602WA	CC560
	60A 480V AC AC				BRY360B7S	BRY360C7S	BRY360P7S	BRY360R7S			
	3P/4W	Dual Rated	60A 3Ø 600V		BRY460B5S	BRY460C5S	BRY460P5S	BRY460R5S			
			60/63A 380-415V AC		BRY460B6S	BRY460C6S	BRY460P6S	BRY460R6S			
			60A 3Ø 480V		BRY460B7S	BRY460C7S	BRY460P7S	BRY460R7S			
			60/63A 3P 250 VAC		BRY460B9S	BRY460C9S	BRY460P9S	BRY460R9S			
	4P/5W	Dual Rated	60A 347/600V		BRY560B5S	BRY560C5S	BRY560P5S	BRY560R5S			
			60/63A 200-415V AC		BRY560B6S	BRY560C6S	BRY560P6S	BRY560R6S			
			60A 277/480V		BRY560B7S	BRY560C7S	BRY560P7S	BRY560R7S			
			60/63A 120/208V		BRY560B9S	BRY560C9S	BRY560P9S	BRY560R9S			

Note: \*Back boxes for: 20 and 30 amp receptacles require AP2030 adapter plate (ordered separately). Also see direct mounting back box DM20301. 60 amp receptacles require AP60 adapter plate (ordered separately). Also see direct mounting back box DM602 (page K-10).  
 \*\*For use with plugs and inlets. Provides watertight protection.

## Splashproof Series International Ratings

Amps	Poles/Wires	Dual Rated	Ratings	Configu-ration	Splashproof IP44 Suitability				Back Box*	Closure Cap**
					Inlet	Connector	Plug	Receptacle		
16/20	2P/3W	Dual Rated	16A 100-130V		BRY316B4S	BRY316C4S	BRY316P4S	BRY316R4S	BB201WA BB301WA	CC320A
	3P/4W		16/20A 125/250V AC		BRY420B9S	BRY420C9S	BRY420P9S	BRY420R9S		
	4P/5W		16/20A 200-415V AC		BRY520B6S	BRY520C6S	BRY520P6S	BRY520R6S		
30/32	2P/3W	Dual Rated	32A 100-130V		BRY332B4S	BRY332C4S	BRY332P4S	BRY332R4S	BB201WA BB301WA	CC330
	3P/4W		32A 380-480V		BRY432B3S	BRY432C3S	BRY432P3S	BRY432R3S		
			30/32A 380-415V AC		BRY430B6S	BRY430C6S	BRY430P6S	BRY430R6S		
	4P/5W		30/32A 200-415V AC		BRY530B6S	BRY530C6S	BRY530P6S	BRY530R6S		
60/63	3P/4W	Dual Rated	60/63A 380-415V AC		BRY460B6S	BRY460C6S	BRY460P6S	BRY460R6S	BB601WA BB602WA	CC560
	4P/5W		60/63A 200-415V AC		BRY560B6S	BRY560C6S	BRY560P6S	BRY560R6S		

Note: \*Back boxes for: 20 and 30 amp receptacles require AP2030 adapter plate (ordered separately). Also see direct mounting back box DM20301. 60 amp receptacles require AP60 adapter plate (ordered separately). Also see direct mounting back box DM602 (page K-10).  
\*\*For use with plugs and inlets. Provides watertight protection.

**IP44**  
SUITABILITY

## IEC 60309 Splashproof Pin and Sleeve Devices

- 20, 30 and 60A - cULus for use in North America
- 16, 32 and 63A - VDE listed for use Internationally
- Dual rated devices - cULus and VDE listed



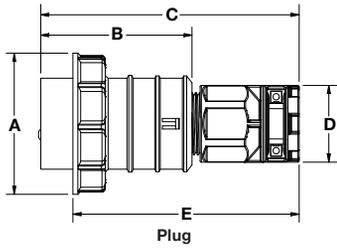
## Improve Installation Time by Over 80%

- Only UL approve screwless termination in the world for 30A and 32A pin and sleeve
- Glandless water ingress protection
- External strain relief
- No torque screwdriver required

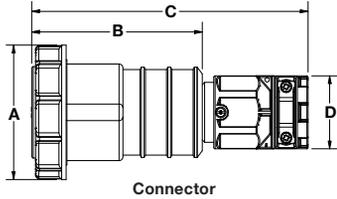


### IEC 60309 Watertight Series Product Dimensions Inches (mm)

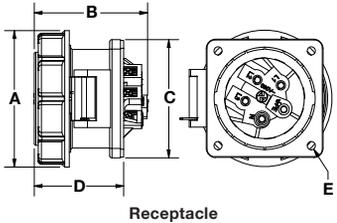
**IP67**  
**SUITABILITY**



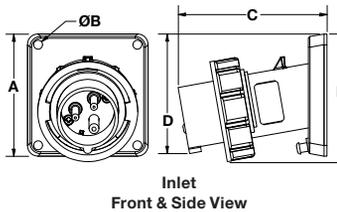
Plug	A	B	C	D	E
	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)
BRY320P	2.78" (70)	3.62" (94)	5.98" (152)	1.73" (44)	5.20" (132)
BRY420P	2.78" (70)	3.7" (94)	6.3" (160)	1.73" (44)	5.39" (137)
BRY520P	3.41" (86)	3.61" (92)	6.34" (161)	1.85" (47)	5.55" (141)
BRY330P, BRY430P	3.7" (94)	4.49" (114)	8.03" (204)	2.32" (59)	6.81" (173)
BRY530P	4.0" (101)	4.49" (114)	8.11" (206)	2.32" (59)	6.73" (171)
BRY360P, BRY460P, BRY560P	4.47" (114)	6.0" (153)	10.24" (260)	2.83" (72)	8.19" (208)
BRY3100P, BRY4100P, BRY5100P	4.94" (126)	6.73" (171)	12.13" (308)	3.58" (91)	9.88" (251)
BRY316P	2.78" (70)	3.62" (94)	5.21" (132)	1.73" (44)	4.53" (115)
BRY432P	3.7" (94)	4.49" (114)	6.54" (166)	2.32" (59)	5.44" (138)



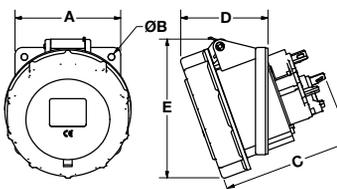
Connector	A	B	C	D
BRY320C	2.78" (70)	4.29" (109)	6.77" (172)	1.73" (44)
BRY420C	3.09" (78)	4.29" (109)	6.89" (175)	1.85" (47)
BRY520C	3.41" (86)	4.41" (112)	7.2" (183)	1.73" (44)
BRY330C, BRY430C	3.7" (94)	5.35" (136)	8.78" (223)	2.32" (59)
BRY530C	4.0" (101)	5.35" (136)	8.98" (228)	2.32" (59)
BRY360P, BRY460P, BRY560P	4.37" (111)	6.85" (174)	11.06" (285)	2.83" (72)
BRY3100C, BRY4100C, BRY5100C	4.92" (125)	7.44" (189)	12.83" (326)	3.58" (91)
BRY316C	2.78" (70)	4.29" (109)	5.88" (149)	1.73" (44)
BRY432C	4.37" (111)	5.35" (136)	7.44" (187)	2.32" (59)



Receptacle	A	B	C	D	E
BRY316R, BRY320R	2.78" (70)	2.83" (72)	2.95" (75)	2.17" (55)	0.22" (5)
BRY420R	3.09" (78)	3.23" (82)	2.95" (75)	2.24" (57)	0.22" (5)
BRY520R	3.39" (86)	2.83" (72)	2.95" (75)	2.17" (55)	0.22" (5)
BRY330R, BRY430R, BRY332R, BRY432R	3.7" (94)	4.25" (108)	2.95" (75)	2.68" (68)	0.22" (5)
BRY530R	3.98" (101)	4.33" (110)	2.95" (75)	2.52" (64)	0.22" (5)
ALL 60A	4.37" (111)	5.2" (132)	3.94" (100)	2.95" (75)	0.26" (6)
ALL 100	4.92" (125)	6.42" (163)	4.72" (120)	4.53" (115)	0.28" (7)



Inlet	A	B	C	D	E
BRY316B, BRY320B	3.35" (85)	0.25" (6)	4.06" (103)	3.31" (84)	3.5" (89)
BRY416B, BRY420B	3.35" (85)	0.25" (6)	4.29" (109)	3.46" (88)	3.7" (94)
BRY516B, BRY520B	3.35" (85)	0.25" (6)	4.53" (115)	3.66" (93)	3.9" (99)
BRY330B, BRY430B, BRY332B, BRY432B	3.35" (85)	0.25" (6)	4.72" (120)	3.78" (96)	4.06" (103)
BRY530B, BRY532B	3.35" (85)	0.25" (6)	5.28" (134)	4.17" (106)	4.45" (113)
ALL 60A	3.94" (100)	0.26" (7)	6.1" (155)	4.65" (118)	4.92" (125)
ALL 100	4.72" (120)	0.26" (7)	5.91" (150)	5.12" (130)	5.35" (136)



Angled Receptacle	A	B	C	D	E
BRY316AR, BRY320AR	2.44" (62)	0.22" (5)	3.23" (82)	2.09" (53)	3.19" (81)
BRY420AR	3.62" (92)	0.22" (5)	3.27" (83)	2.2" (56)	3.43" (87)
BRY520AR	3.35" (85)	0.22" (5)	3.46" (88)	2.32" (59)	3.82" (97)
BRY330AR, BRY332AR, BRY430AR, BRY432AR	3.35" (85)	0.22" (5)	4.76" (121)	2.72" (69)	4.02" (102)
BRY530AR	3.35" (85)	0.22" (5)	4.61" (117)	2.72" (69)	4.37" (111)
ALL 60AR	4.49" (114)	0.26" (6)	5.67" (144)	3.15" (80)	4.69" (119)
ALL 100AR	4.49" (114)	0.26" (6)	6.81" (173)	3.5" (89)	5.28" (134)

### Grip Ranges

AMPERAGE	WIRES	UL GRIP RANGE	VDE GRIP RANGE
16/20 AMP	3	.370/.595	.36/7.08
16/20 AMP	4	.410/.650	.36/7.08
16/20 AMP	5	.650/.710	.630/.827
30/32 AMP	3	.565/.930	.565/1.61
30/32 AMP	4	.625/1.05	.565/1.61
30/32 AMP	5	.760/1.15	.565/1.61
60/63 AMP	3	.970/1.45	.970/1.45
60/63 AMP	4	1.050/1.45	.970/1.45
60/63 AMP	5	1.18/1.45	.970/1.45
100/125 AMP	3	1.05/1.51	1.22/1.89
100/125 AMP	4	0.905/1.68	1.22/1.89
100/125 AMP	5	1.063/1.88	1.22/1.89

# IEC 60309 Pin and Sleeve Devices



## Splashproof Series

### IEC 60309 Splashproof Series

#### Product Dimensions Inches (mm)

Plug	A	B	C	D	E
	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)
BRY320P	2.01" (51)	3.62" (92)	6.18" (157)	1.73" (44)	4.88" (124)
BRY420P	2.28" (58)	3.58" (91)	6.18" (157)	1.73" (44)	4.88" (124)
BRY520P	2.54" (65)	3.70" (94)	6.54" (166)	1.85" (47)	5.24" (133)
BRY330P, BRY430P	2.60" (66)	4.61" (117)	8.03" (204)	2.32" (59)	6.22" (158)
BRY530P	2.83" (72)	4.61" (117)	8.03" (204)	2.32" (59)	6.22" (158)
BRY360P, BRY460P, BRY560P	3.80" (97)	6.0" (153)	10.04" (255)	2.83" (72)	7.40" (188)
BRY316P	2.01" (51)	3.62" (92)	6.18" (157)	1.73" (44)	4.88" (124)
BRY432P	2.60" (66)	4.61" (117)	8.03" (204)	2.32" (59)	6.22" (158)

#### Connector

BRY320C	2.01" (51)	4.17" (106)	6.77" (172)	1.73" (44)	6.71" (170)
BRY420C	2.28" (58)	4.29" (109)	6.89" (175)	1.73" (44)	6.71" (170)
BRY520C	2.54" (65)	4.45" (113)	7.28" (185)	1.85" (47)	6.71" (170)
BRY330C, BRY430C	2.68" (68)	5.24" (133)	8.66" (220)	2.32" (59)	8.14" (207)
BRY530C	2.91" (74)	5.28" (134)	8.70" (221)	2.32" (59)	8.14" (207)
BRY360P, BRY460P, BRY560P	3.74" (95)	6.73" (171)	10.75" (273)	2.83" (72)	10.54" (268)
BRY316C	2.01" (51)	4.17" (106)	6.77" (172)	1.73" (44)	6.71" (170)
BRY432C	2.60" (66)	5.28" (134)	8.70" (221)	2.32" (59)	8.14" (207)

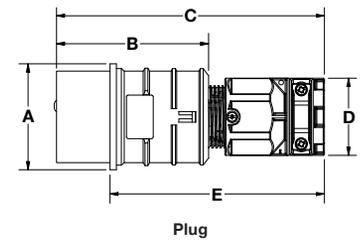
#### Receptacle

BRY316R, BRY320R	2.01" (51)	2.76" (70)	2.95" (75)	2.09" (53)	0.22" (5)
BRY420R	2.26" (57)	3.07" (78)	2.95" (75)	2.09" (53)	0.22" (5)
BRY520R	2.54" (65)	2.76" (70)	2.95" (75)	2.09" (53)	0.22" (5)
BRY330R, BRY332R, BRY430R, BRY432R	2.60" (66)	4.13" (105)	2.95" (75)	2.48" (63)	0.22" (5)
BRY530R	2.83" (72)	4.29" (109)	2.95" (75)	2.48" (63)	0.22" (5)
ALL 60A	3.74" (95)	5.28" (134)	3.94" (100)	3.07" (78)	0.26" (6)

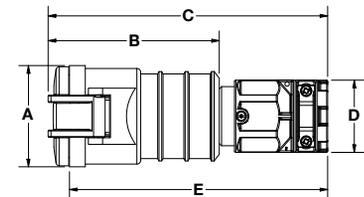
#### Inlet

BRY316B, BRY320B	3.35" (85)	0.25" (6)	4.06" (103)	3.31" (84)	3.23" (82)
BRY420B	3.35" (85)	0.25" (6)	4.29" (109)	3.46" (88)	3.43" (87)
BRY520	3.35" (85)	0.25" (6)	4.53" (115)	3.66" (93)	3.62" (92)
ALL 30A	3.35" (85)	0.25" (6)	4.72" (120)	3.78" (96)	3.70" (94)
ALL 60A	3.94" (100)	0.26" (7)	6.10" (155)	4.65" (118)	4.53" (115)

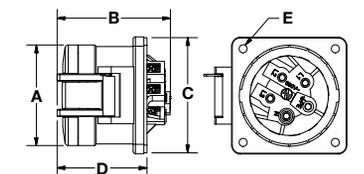
## IP44 SUITABILITY



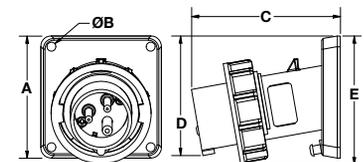
Plug



Connector



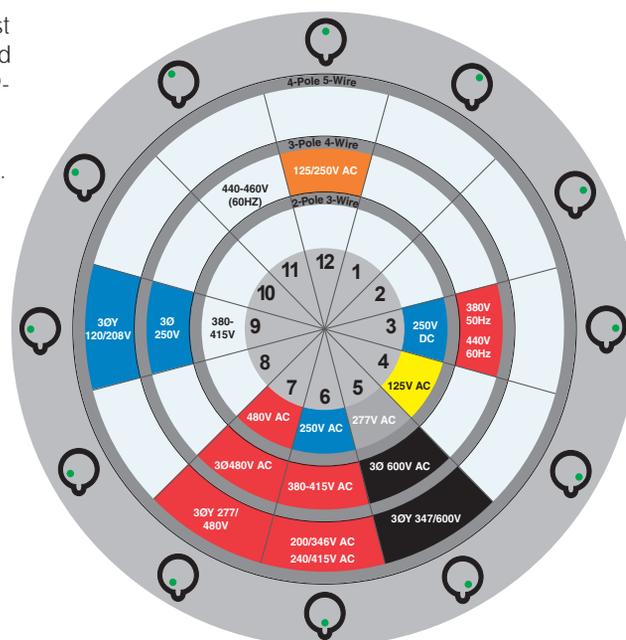
Receptacle



Inlet  
Front & Side View

Bryant's Pin & Sleeve line safeguards against mismatching devices of different amperage and voltage ratings. Conformance with IEC 60309-1 and IEC 60309-2 international standards results in a singly-rated, non-interchangeable configuration for each amperage/voltage type.

The voltage rating can be identified by the clock position of the female grounding sleeve relative to the housing keyway. With the keyway always positioned at 6 o'clock, the female grounding sleeve is located at a specific clock position for each voltage rating.



The housing keyway is always located at the 6 o'clock position on all female devices and is clearly visible to the user.



IEC Pin & Sleeve device housings are color coded by voltage rating for easy identification.

Rated Voltage	Color
100V-130V	Yellow
125V/250V	Orange
200V-250V	Blue
277V	Grey
380V-480V	Red
500V and above	Black

## Accessories



- Back box features heavy duty cast aluminum construction with a durable enamel finish
- Adapter plates allow receptacles and inlets to be mounted to back boxes
- Cast aluminum direct mount back boxes permit receptacles to be mounted directly to box without adapter plate
- Closure caps provide a watertight seal for male plugs and flanged inlets when not mated

### Back Box and Required Adapter Plate



For Use With	Hub Size Inches	Adapter Plates		Back Boxes		
		Required to Mount Receptacles and Inlets to Back Boxes	Metallic IP54			
			Direct Mount	For Mounting Receptacles and Inlets		
			15° Angle	15° Angle	Feed-Thru	Four-Way
20/30A	¾" 1"	<b>AP2030</b>	<b>DM20301</b>	<b>BB201WA*</b> <b>BB301WA*</b>	<b>FT202WA*</b> <b>FT302WA**</b>	—
60A	1¼" 1½"	<b>AP60</b>	<b>DM602</b>	<b>BB601WA*</b> <b>BB602WA*</b>	—	<b>FW60100A**</b>
100A	1½" 2"	<b>AP100</b>	—	<b>BB1001WA*</b> <b>BB1002WA*</b>	—	<b>FW60100A**</b> —

Note: \*Adapter plates: 20/30A devices requires AP2030, 60A devices require AP60 and 100A devices require AP100 adapter plates, ordered separately.  
 \*\*Requires AP60 adapter plate to mount 60A receptacle or inlet. 100A receptacle mounts directly to box. 100A inlet does not mount to this box.

### Closure Caps

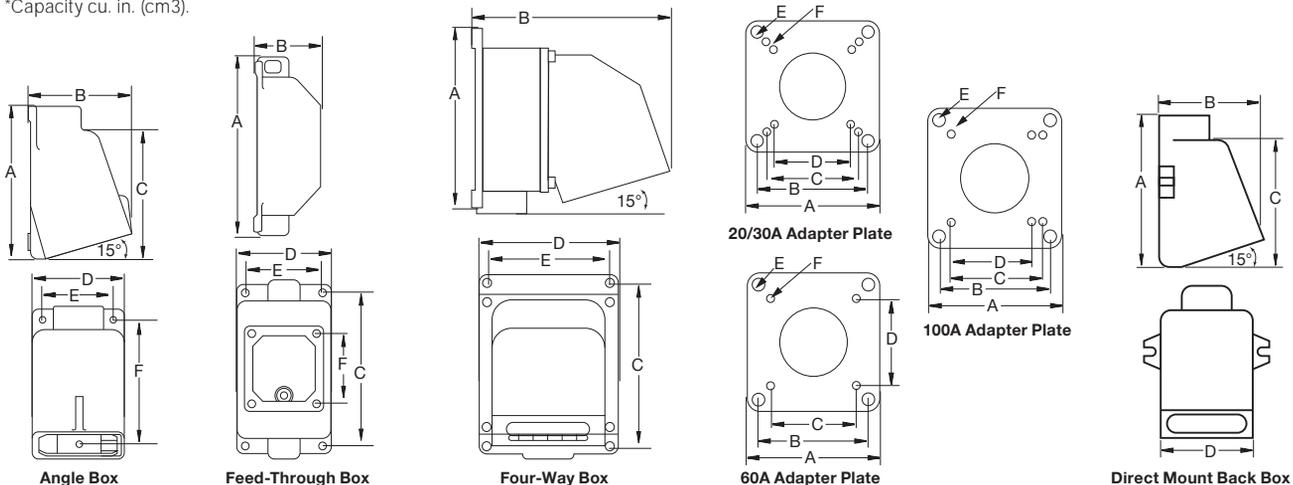


Closure Caps		
For Use With		Catalog Number
16/20A	3-Wire 4-Wire 5-Wire	<b>CC320A</b> <b>CC420A</b> <b>CC520</b>
30/32A	3 & 4-Wire 5-Wire	<b>CC330</b> <b>CC530</b>
60/63A	3, 4 & 5-Wire	<b>CC560</b>
100/125A	3, 4 & 5-Wire	<b>CC510</b>

### Product Dimensions Inches (mm)

Back Boxes					Adapter Plates			Direct Mount Back Boxes	
20/30A		60A	60/100A	100A	20/30A	60A	100A	15° Angle	
15° Angle	Feed-Thru	15° Angle	Four-Way	15° Angle				20/30A	60A
A 5.12" (130.2)	8.25" (209.6)	7.25" (184.2)	8.75" (222.3)	8.12" (206.4)	3.76" (96.4)	4.51" (115.6)	5.52" (141.5)	5.07" (130.0)	5.81" (149.0)
B 4.00" (101.6)	3.06" (77.8)	5.25" (133.4)	9.75" (247.7)	6.75" (171.5)	3.13" (80.3)	3.88" (99.5)	4.87" (124.9)	3.38" (86.0)	4.28" (110.0)
C 4.19" (106.4)	7.14" (181.4)	6.00" (152.4)	7.75" (196.9)	6.88" (174.6)	2.76" (70.8)	3.03" (77.7)	4.25" (109.0)	4.13" (106.0)	4.56" (117.0)
D 3.75" (95.3)	4.50" (114.3)	4.50" (114.3)	6.75" (171.5)	5.50" (139.7)	2.36" (60.5)	3.35" (85.9)	3.94" (101.0)	3.62" (92.0)	4.58" (117.0)
E 3.00" (76.2)	3.75" (95.3)	3.75" (95.3)	6.00" (152.4)	4.75" (120.7)	0.22" (5.6) Dia.	0.22" (5.6) Dia.	0.22" (5.6) Dia.	—	—
F 4.00" (101.6)	3.13" (79.5)	6.19" (157.2)	—	6.94" (176.2)	0.18" (4.6) Dia.	0.18" (4.6) Dia.	0.18" (4.6) Dia.	—	—
G* 30.0" (492)	48.0" (787)	80.0" (1312)	210.0" (3444)	130.0" (2132)	—	—	—	20.0" (328.0)	40.0" (656.0)

Note: \*Capacity cu. in. (cm3).



# IEC 60309 Pin and Sleeve Devices



## Unfused Mechanical Interlocks

- Switch cannot be turned ON until plug is completely engaged, and plug cannot be removed until switch is turned OFF
- NEMA 4X and 12 enclosures provide watertight and dust-tight protection
- Heavy duty disconnect switches are horse-power rated for motor load applications
- Watertight conduit hub and grounding plate included for use with metallic conduit

## Unfused Mechanical Interlocks

Amps	Poles/Wires	Configuration		Voltage	Interlock	Mating Plug*
		Recep./Conn.	Plug/Inlet			
20	3P/4W			120/240V	<b>BRY420MI12W</b>	<b>BRY420P12W</b>
	3P/4W			240V AC 3Ø	<b>BRY420MI9W</b>	<b>BRY420P9W</b>
	3P/4W			480V AC 3Ø	<b>BRY420MI7W</b>	<b>BRY420P7W</b>
	3P/4W			600V AC 3Ø	<b>BRY420MI5W</b>	<b>BRY420P5W</b>
30	2P/3W			120V AC	<b>BRY330MI4W</b>	<b>BRY330P4W</b>
	2P/3W			240V AC	<b>BRY330MI6W</b>	<b>BRY330P6W</b>
	2P/3W			480V AC	<b>BRY330MI7W</b>	<b>BRY330P7W</b>
	3P/4W			240V AC 3Ø	<b>BRY430MI9W</b>	<b>BRY430P9W</b>
	3P/4W			480V AC 3Ø	<b>BRY430MI7W</b>	<b>BRY430P7W</b>
	3P/4W			600V AC 3Ø	<b>BRY430MI5W</b>	<b>BRY430P5W</b>
	4P/5W			120/208V AC 3ØY	<b>BRY530MI9W</b>	<b>BRY530P9W</b>
	4P/5W			277/480V AC 3ØY	<b>BRY530MI7W</b>	<b>BRY530P7W</b>
32	4P/5W			3ØY 347/600V	<b>BRY530MI5W</b>	<b>BRY530P5W</b>
	3P/4W			380V AC 3Ø 50Hz 440V AC 3Ø 60Hz	<b>BRY432MI3W</b>	<b>BRY432P3W</b>
60	2P/3W			120V AC	<b>BRY360MI4W</b>	<b>BRY360P4W</b>
	2P/3W			240V AC	<b>BRY360MI6W</b>	<b>BRY360P6W</b>
	2P/3W			480V AC	<b>BRY360MI7W</b>	<b>BRY360P7W</b>
	3P/4W			120/240V	<b>BRY460MI12W</b>	<b>BRY460P12W</b>
	3P/4W			240V AC 3Ø	<b>BRY460MI9W</b>	<b>BRY460P9W</b>
	3P/4W			480V AC 3Ø	<b>BRY460MI7W</b>	<b>BRY460P7W</b>
	3P/4W			600V AC 3Ø	<b>BRY460MI5W</b>	<b>BRY460P5W</b>
	4P/5W			120/208V AC 3ØY	<b>BRY560MI9W</b>	<b>BRY560P9W</b>
	4P/5W			277/480V AC 3ØY	<b>BRY560MI7W</b>	<b>BRY560P7W</b>
	4P/5W			347/600V AC 3ØY	<b>BRY560MI5W</b>	<b>BRY560P5W</b>
100	2P/3W			240V AC	<b>BRY3100MI6W</b>	<b>BRY3100P6W</b>
	3P/4W			120/240V	<b>BRY4100MI12W</b>	<b>BRY4100P12W</b>
	3P/4W			240V AC 3Ø	<b>BRY4100MI9W</b>	<b>BRY4100P9W</b>
	3P/4W			480V AC 3Ø	<b>BRY4100MI7W</b>	<b>BRY4100P7W</b>
	3P/4W			600V AC 3Ø	<b>BRY4100MI5W</b>	<b>BRY4100P5W</b>
	4P/5W			120/208V AC 3ØY	<b>BRY5100MI9W</b>	<b>BRY5100P9W</b>

Note: \*Mating plug sold separately.



### Auxiliary Contacts

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	<b>BRYAUX1</b>
"Break Before Main Break", 1 set of n/o contacts.	<b>BRYAUX2</b>

### Replacement Switches

Description	Catalog Number
For 20A mechanical interlocks.	<b>BRYMIRS20</b>
For 30 & 32A mechanical interlocks.	<b>BRYMIRS30</b>
For 60 & 100A mechanical interlocks.	<b>BRYMIRS60100</b>

### Replacement Mounting Feet

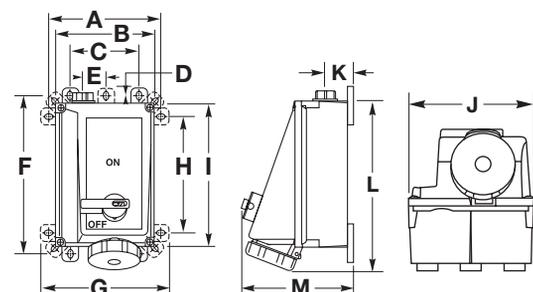
Description	Catalog Number
For 20, 30, 32, 60 & 100A mechanical interlocks.	<b>BRYRPLCFT**</b>

Note: \*\*Package of 10 feet and 10 screws.

### Product Dimensions

KEY	20A & 30A	60A	100A
A	7.75" (196.9)	7.75" (196.9)	7.75" (196.9)
B	6.87" (174.5)	6.87" (174.5)	6.87" (174.5)
C	4.75" (120.7)	4.75" (120.7)	4.75" (120.7)
D	1.02" (25.9)	1.02" (25.9)	1.02" (25.9)
E	1.60" (40.6)	1.46" (37.1)	1.46" (37.1)
F	11.00" (279.4)	12.75" (323.9)	12.75" (323.9)
G	8.75" (222.3)	8.75" (222.3)	8.75" (222.3)
H	8.00" (203.2)	9.75" (247.7)	9.75" (247.7)
I	10.12" (257.0)	11.87" (301.5)	11.87" (301.5)
J	6.88" (174.8)	6.88" (174.8)	6.88" (174.8)
K	1.93" (49.0)	2.09" (53.1)	2.09" (53.1)
L	11.25" (285.8)*	13.65" (346.7)	13.65" (346.7)
M	7.75" (196.9)	8.60" (218.4)	9.30" (236.2)
HUB SIZE	1.00" NPT	1.25" NPT	1.25" NPT

Note: \*30 and 32A, 3 and 4W = 11.50" (292.1); 30A, 5W = 11.59" (294.4).



# IEC 60309 Pin and Sleeve Devices



## Technical Specifications - Watertight

### Listings

UL Listed Standard 1682 (plugs, receptacles, and cable connectors of the pin & sleeve type)  
Conforms to UL 1686 (pin & sleeve configuration)

CSA Certified C22.2 No. 182.1 - 13  
Complies with IEC 60309-1 and 60309-2 International Standards for singly-rated non-interchangeable configurations  
CE

### Materials

Plug/Connector	
Housing, gland nut and cord clamp assembly	Toughened nylon
Cord gland	Neoprene
Seals/gaskets	Neoprene, EPDM, TPE
Phase/ground pins	Brass
Terminal screws	Plated steel
Terminal cover	Toughened nylon Glass-reinforced nylon (100A)
Contact carrier	Glass-reinforced nylon, Nylon (60A)
Gland friction washer	Plated carbon steel (30/60/100A) Nylon (20A)
Assembly screws	Stainless steel (60/100A) Plated steel (20/30A)
Plug	
Locking ring	Polycarbonate
Connector	
Cover ring	Polycarbonate
Cover spring	Stainless steel
Hinge pins	Brass
Sleeve spring	Nickel-plated spring steel

Receptacle/Inlet	
Housing/mounting flange	Toughened nylon
Mounting screws	Stainless steel
Seals/gaskets	Neoprene, EPDM, TPE
Phase/ground pins	Brass
Terminal screws	Plated steel
Terminal cover	Toughened nylon Glass-reinforced nylon (100A)
Contact carrier	Glass-reinforced nylon, Nylon (60A)
Receptacle	
Cover arm	Toughened nylon
Cover ring	Polycarbonate
Sleeve spring	Nickel-plated spring steel
Sleeve spring	Nickel-plated spring steel
Hinge pins	Brass
Inlet	
Mounting flange	Toughened nylon
Locking ring	Polycarbonate
Assembly screws	Stainless steel (60/100A), plated steel (20/30A)

### Performance

Electrical	
Dielectric voltage withstand	3,000 Volts - receptacle, 2,200 Volts - plug and connector
Max. working voltage	600 Volts AC
Spacings	¼" minimum creepage and clearance per UL 1682
Current interrupting	Certified for current interrupting at full rated current where applicable per UL 1682
Temperature rise	Less than 30°C temperature rise at full rated current after 50 cycles of overload tested at 150% of rated current at 0.75 pf.
Endurance	Up to 5,000 connect and disconnect cycles at full rated current and voltage per UL 1682
Mechanical	
Impact resistance	After 6 hours at -25°C, 8 drops from 2½' with 7½' length cord
Mechanical crush test	250 lbs. force for 1 minute after 6 hours at -25°C
Terminal identification	Terminals identified in accordance with North American Codes
Product identification	Catalog number and rating indicated on device

Environmental	
Moisture resistance	Submerged 24 hours at 2" below water surface
Flammability (enclosure)	V2 minimum per UL 94
Operating temperatures	Maximum continuous 95°C with impact, minimum continuous -40°C without impact
Ingress protection	IP67 suitability
Polarization integrity	Mating devices will not energize ground if polarization feature is removed from housing and 40 lbs. force is applied

The following international electrical regulatory agencies recognize IEC 309 standard Pin & Sleeve devices.



## Technical Specifications - Splashproof

### Listings

Complies with IEC 60309-1 and 60309-2 International Standards for singly-rated non-interchangeable configurations

CE  
VDE

### Materials

#### Plug/Connector

Housing, gland nut and cord clamp assembly	Toughened nylon
Cord gland	Neoprene
Seals/gaskets	Neoprene, EPDM, TPE, Silicone
Phase/ground pins	Brass
Terminal screws	Plated steel
Terminal cover	Toughened nylon
Contact carrier	Glass-reinforced nylon
Gland friction washer	Plated carbon steel (30/60/100A) Nylon (20A)
Assembly screws	Plated steel

#### Connector

Cover spring	Stainless steel
Phase/ground sleeves	Brass
Sleeve spring	Nickel-plated spring steel
Hinge pins	Brass

#### Receptacle

Housing/mounting flange and cover arm	Toughened nylon
Cover spring	Stainless steel
Seals/gaskets	Neoprene, EPDM, TPE
Hinge pins	Brass
Contact carrier	Glass-reinforced nylon
Terminal cover	Toughened nylon
Phase/ground sleeves	Brass
Sleeve spring	Nickel-plated spring steel
Mounting screws	Stainless steel
Terminal screws	Plated steel

### Performance

#### Electrical

Dielectric voltage withstand	3,000 Volts - receptacle, 2,200 Volts - plug and connector
Max. working voltage	500 Volts AC

Spacings	¼" minimum creepage and clearance
Current interrupting	Certified for current interrupting at full rated current

Endurance	Up to 5,000 connect and disconnect cycles at full rated current and voltage
-----------	---

#### Mechanical

Impact resistance	After 6 hours at -25°C, 8 drops from 2½' with 7½' length cord
Mechanical crush test	250 lbs. force for 1 minute after 6 hours at -25°C
Terminal identification	Terminals identified in accordance with IEC 309
Product identification	Catalog number and rating indicated on device

#### Environmental

Flammability (enclosure)	V2 minimum per UL 94
Operating temperatures	Maximum continuous 95°C with impact, minimum continuous -40°C without impact
Ingress protection	IP44 suitability
Polarization integrity	Mating devices will not energize ground if polarization feature is removed from housing and 40 lbs. force is applied

The following international electrical regulatory agencies recognize IEC 309 standard Pin & Sleeve devices.



## Technical Specifications - Mechanical Interlock

### Typical Specifications

Manufacturer's Identification	Hubbell BRY430MI7W
Description	Circuit-Lock® Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	30A, 480V AC, 3 Phase
Configuration	IEC 60309-2, UL1686 C2, Clock position 7
Enclosure Type	Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids)
Ingress Protection	IP67 Suitability
Enclosure Material	Non-metallic, enclosure suitable for metallic conduit
Certification	UL Listed, CSA Certified

Note: This device provides ON/OFF switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected while the receptacle is energized. The switch cannot be turned "ON" until the plug is inserted properly, and the plug cannot be removed until the switch is turned "OFF."

### Materials

Part	Material	Part	Material
Base	PBT	Top	PBT
Handle	PBT	Conduit Hub	Zinc
Enclosure Gasket	Neoprene	Shaft	PBT
Shaft Seal	Neoprene	Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series	Enclosure Inserts	Brass
Hinge Pins	Nickel Plated Brass	Hinge Spring	Stainless Steel 300 Series

### Performance

Electrical	
Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle. 20A and 30A models: Suitable for use on a circuit capable of delivering not more than 65,000 RMS symmetrical amperes, 600V when protected by class "J" fuses rated 30A.
Operations	Mechanical 10,000 cycles, electrical 6,000 cycles.
Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of the external label and molded into the receptacle mount.
Mounting	External adjustable feet.
Environmental	
Moisture Resistance	Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids).
Ingress Protection	IP67 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperature	Max. Continuous +75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.

### Horsepower Ratings

Amps	AC Voltage Rating	Horsepower	Mechanical Interlock	Mating Plug
20	120/240V AC	2	BRY420MI12W	BRY420P12W
20	3Ø 240V AC	5	BRY420MI9W	BRY420P9W
20	3Ø 480V AC	10	BRY420MI7W	BRY420P7W
20	3Ø 600V AC	10	BRY420MI5W	BRY420P5W
30	120V AC	2	BRY330MI4W	BRY330P4W
30	240V AC	3 (208-240V AC)	BRY330MI6W	BRY330P6W
30	480V AC	7.5	BRY330MI7W	BRY330P7W
30	120/240V AC	3 (208-240V AC)	BRY430MI12W	BRY430P12W
30	3Ø 600V AC	20	BRY430MI5W	BRY430P5W
30	3Ø 480V AC	15	BRY430MI7W	BRY430P7W
30	3Ø 250V AC	7.5	BRY430MI9W	BRY430P9W
30	3ØY 347/600V AC	20	BRY530MI5W	BRY530P5W
30	3ØY 277/480V AC	15	BRY530MI7W	BRY530P7W
30	3ØY 120/208V AC	5	BRY530MI9W	BRY530P9W
32	380V AC 50Hz – 440V AC 60Hz	15 (440V AC 3Ø 60Hz)	BRY432MI3W	BRY432P3W
60	120V AC	3	BRY360MI4W	BRY360P4W
60	240V AC	7.5 (208-240V AC)	BRY360MI6W	BRY360P6W
60	480V AC	20	BRY360MI7W	BRY360P7W
60	120/240V AC	7.5 (208-240V AC)	BRY460MI12W	BRY460P12W
60	3Ø 600V AC	40	BRY460MI5W	BRY460P5W
60	3Ø 480V AC	30	BRY460MI7W	BRY460P7W
60	3Ø 250V AC	15	BRY460MI9W	BRY460P9W
60	3ØY 347/600V AC	40	BRY560MI5W	BRY560P5W
60	3ØY 277/480V AC	30	BRY560MI7W	BRY560P7W
60	3ØY 120/208V AC	15	BRY560MI9W	BRY560P9W
100	240V AC	15 (10 @ 208V AC)	BRY3100MI6W	BRY3100P6W
100	120/240V AC	15	BRY4100MI12W	BRY4100P12W
100	3Ø 600V AC	50	BRY4100MI5W	BRY4100P5W
100	3Ø 480V AC	50	BRY4100MI7W	BRY4100P7W
100	3Ø 250V AC	25 (208-240V AC)	BRY4100MI9W	BRY4100P9W
100	3ØY 120/208V AC	20	BRY5100MI9W	BRY5100P9W

# Section L

## Cam-Type Devices, Power Distribution Boxes and Temporary Power

Table of Contents	Page
-------------------	------

### Cam-Type Devices

Series 15 - 150 Amp, 600V AC/250V DC	
Inlines and Panel Mount Receptacles .....	L-3
Tees, Gender Reversing Devices and Accessories .....	L-4
Specifications .....	L-14
Series 16 - 300 and 400 Amp, 600V AC/250V DC	
Inlines and Panel Mount Receptacles .....	L-5
Additional Receptacles .....	L-6
Offsets, Tees, 3-Fers and Gender Reversing Devices .....	L-7
Replacement Parts and Accessories .....	L-8
Specifications .....	L-14

### Power Distribution Boxes

Temporary Power Boxes, Cable Sets and Replacement Parts .....	L-10
Weather Protective Lift Covers, Portable Outlet Boxes and Plates .....	L-11
Specifications .....	L-14

### Temporary Lighting

Construction Site Lighting .....	L-12
Maintenance and Worklights .....	L-13
Explosion Proof/Confined Space Lighting .....	L-13

### Cord Reels

Cord Reels with Hand Lamps .....	L-14
----------------------------------	------

### Technical Information

Cam-Type Devices Specifications .....	L-14
Power Distribution Box and Cable Specifications .....	L-14



### Series 15 & 16 - 150, 300 & 400 Amp, 600 Volts

Bryant offers a full line of innovative, high quality, Series 15 and Series 16 cam-type inlines, receptacles and accessories for the most demanding environments.

Cam-Type devices are the right choice for supplying temporary electrical power distribution for entertainment, theme parks, carnival equipment, concerts, movie making and numerous other applications requiring temporary power.

Cam-Type devices have been designed with ease of assembly and disassembly in mind, no special tools are required. A high strength non-conductive retaining screw is all that is needed to securely lock the contacts to the insulated sleeve.

UL Enclosure Types 3R, 4X and 12 Rating suitable for use in almost any environment.



#### Housing Design

- Insulgrip® style housing for superior gripping, conforms to the user's hand making it easy to connect and disconnect, even with gloves on
- Easily identifiable cable, cut off points for secure fit allows you to easily customize and cut the housing to the required/correct cable size
- Accommodates wide range of cables



#### Safety

- Rounded corners reduce the possibility of catching or snagging on structures or equipment
- Non-conductive retaining screw locks contacts in place and allows for easy installation; prevents contact movement within housing
- Recessed mounting screw minimizes screwdriver slippage



#### Identification

- Lock symbol aids in the mating of devices and provides a clear indication that the devices are properly connected
- With lock indicator symbol making mating clear and simple; devices can lock 180° to prevent unintended disconnects



#### Contacts

- Provides high contact pressure and vibration resistant connection, which helps reduce operating temperatures and extends product life
- High conductivity brass contact provides improved performance by helping to reduce operating temperatures and extends life



#### Assembly

- Special screw thread requires fewer turns than most competitors and reduces the risk of a conductive screw being substituted
- Extra long non-conductive inner sleeve reduces force required to install housing over contacts; easier to rotate contact in body for installing retaining screw



#### Installation

- Engineered body design makes installation simple with no need for additional tools and the non-metallic retaining screw helps to make operation safe for all involved
- Strip gauge molded into every inline and receptacle housing; simplifies installation and saves time

# Cam-Type Devices



## Series 15 - Inlines and Panel Mount Receptacles

Enclosure Types  
3R, 4X, 12

### 150 Amp Inlines



Description	Color	Male Inline	Female Inline
Thermoplastic elastomer, cable size #8 - #2 AWG	Black	<b>HBL15MBK</b>	<b>HBL15FBK</b>
	White	<b>HBL15MW</b>	<b>HBL15FW</b>
	Green	<b>HBL15MGN</b>	<b>HBL15FGN</b>
	Red	<b>HBL15MR</b>	<b>HBL15FR</b>
	Blue	<b>HBL15MBL</b>	<b>HBL15FBL</b>
	Brown	<b>HBL15MBN</b>	<b>HBL15FBN</b>
	Orange	<b>HBL15MO</b>	<b>HBL15FO</b>
	Yellow	<b>HBL15MY</b>	<b>HBL15FY</b>
	Gray	<b>HBL15MGY</b>	<b>HBL15FGY</b>

### 150A Panel Mount Receptacles

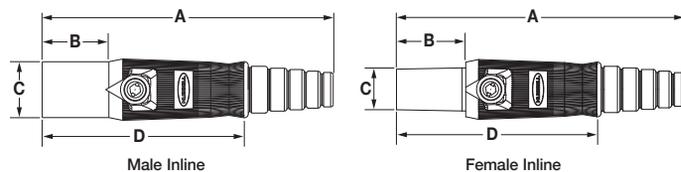


Description	Color	Stud Type 1/16" x 3/4"		Double Set Screw Cable Size #4 - 4/0	
		Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
Panel mount, thermoplastic, mates with 150 amp Inlines, cable size #8 - #2 AWG	Black	<b>HBL15MRSBK</b>	<b>HBL15FRSBK</b>	<b>HBL15MRBK</b>	<b>HBL15FRBK</b>
	White	<b>HBL15MRSW</b>	<b>HBL15FRSW</b>	<b>HBL15MRW</b>	<b>HBL15FRW</b>
	Green	<b>HBL15MRSGN</b>	<b>HBL15FRSGN</b>	<b>HBL15MRGN</b>	<b>HBL15FRGN</b>
	Red	<b>HBL15MRSR</b>	<b>HBL15FRSR</b>	<b>HBL15MRR</b>	<b>HBL15FRR</b>
	Blue	<b>HBL15MRSBL</b>	<b>HBL15FRSBL</b>	<b>HBL15MRBL</b>	<b>HBL15FRBL</b>
	Brown	<b>HBL15MRSBN</b>	<b>HBL15FRSBN</b>	<b>HBL15MRBN</b>	<b>HBL15FRBN</b>
	Orange	<b>HBL15MRSO</b>	<b>HBL15FRSO</b>	<b>HBL15MRO</b>	<b>HBL15FRO</b>
	Yellow	<b>HBL15MRSY</b>	<b>HBL15FRSY</b>	<b>HBL15MRY</b>	<b>HBL15FRY</b>
	Gray*	—	—	<b>HBL15MRGY</b>	<b>HBL15FRGY</b>

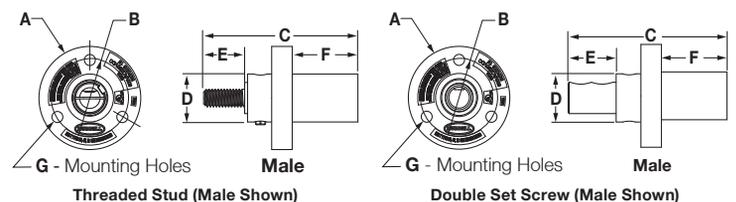
Note: \*Gray is available upon request. Contact factory.

### Product Dimensions Inches (mm)

	Male Inline	Female Inline
A	4.54" (115.3)	4.60" (116.8)
B	1.04" (26.4)	1.11" (28.2)
C	0.86" (21.8)	0.68" (17.3)
D	3.22" (81.7)	3.28" (83.2)



	Receptacle			
	Stud Type		Double Set Screw	
	Male	Female	Male	Female
A	1.86" (47.2)	1.86" (47.2)	1.86" (47.2)	1.86" (47.2)
B	1.37" (34.8)	1.37" (34.8)	1.37" (34.8)	1.37" (34.8)
C	2.82" (71.6)	2.88" (73.1)	2.90" (73.6)	2.95" (74.9)
D	0.86" (22.0)	0.86" (22.0)	0.86" (22.0)	0.86" (22.0)
E	0.75" (19.0)	0.75" (19.0)	0.88" (22.2)	0.87" (22.2)
F	1.20" (30.5)	1.26" (32.0)	1.20" (30.5)	1.26" (32.0)
G	3x Ø .20"	3x Ø .20"	3x Ø .20"	3x Ø .20"
	Stud Termination 5/16-18		(2) 5/32 Socket Head Set Screws	



# Cam-Type Devices



## Series 15 - Tees, Gender Reversing Devices and Accessories

Enclosure Types  
3R, 4X, 12

### Tees, Gender Reversing Devices and Replacement Bodies



	Tapping Tee	Paralleling Tee	Gender Reversing Devices		Replacement Bodies** (25 Pack)	
Color	(Female-Female-Male)	(Female-Male-Male)	Double Male (Male-Male)	Double Female (Female-Female)	Male Body	Female Body
Black	<b>HBL15TBK</b>	<b>HBL15PTBK</b>	<b>HBL15DMBK*</b>	<b>HBL15DFBK*</b>	<b>HBL15MBBK</b>	<b>HBL15FBBK</b>
White	<b>HBL15TWW</b>	<b>HBL15PTWW</b>	<b>HBL15DMW</b>	<b>HBL15DFW</b>	<b>HBL15MBW</b>	<b>HBL15FBW</b>
Green	<b>HBL15TGN</b>	<b>HBL15PTGN</b>	<b>HBL15DMGN</b>	<b>HBL15DFGN</b>	<b>HBL15MBGN</b>	<b>HBL15FBGN</b>
Red	<b>HBL15TR</b>	<b>HBL15PTR</b>	<b>HBL15DMR*</b>	<b>HBL15DFR*</b>	<b>HBL15MBR</b>	<b>HBL15FBR</b>
Blue	<b>HBL15TBL</b>	<b>HBL15PTBL</b>	<b>HBL15DMBL*</b>	<b>HBL15DFBL*</b>	<b>HBL15MBBL</b>	<b>HBL15FBL</b>

Note: \*UL 1691 restricts the use of male-to-male or female-to-female devices to Grounding (Green) or Neutral (White) conductors. Consult factory for availability of other non UL listed colors.

\*\*Additional colors are available upon request. Contact factory.

### Protective Caps and Weather Protective Covers



Color	Protective Caps	
	Fits Male Devices	Fits Female Devices
Black	<b>HBL15MCAPBK</b>	<b>HBL15FCAPBK</b>
White	<b>HBL15MCAPW</b>	<b>HBL15FCAPW</b>
Green	<b>HBL15MCAPGN</b>	<b>HBL15FCAPGN</b>
Red	<b>HBL15MCAPR</b>	<b>HBL15FCAPR</b>
Blue	<b>HBL15MCAPBL</b>	<b>HBL15FCAPBL</b>
**	—	—

Note:\*\*Additional colors are available upon request. Contact factory.

Color	Weather Protective Covers
Clear	<b>HBL15NCC</b>
Black	<b>HBL15NCBK</b>
White	<b>HBL15NCW</b>
Green	<b>HBL15NCGN</b>
Red	<b>HBL15NCR</b>
Blue	<b>HBL15NCBL</b>
Brown	<b>HBL15NCBN</b>
Orange	<b>HBL15NCO</b>
Yellow	<b>HBL15NCY</b>

### Replacement Contacts (25 Pack)



Description	Male Pin	Female Sleeve
Contact, 150 amp	<b>HBL15RCM</b>	<b>HBL15RCF</b>

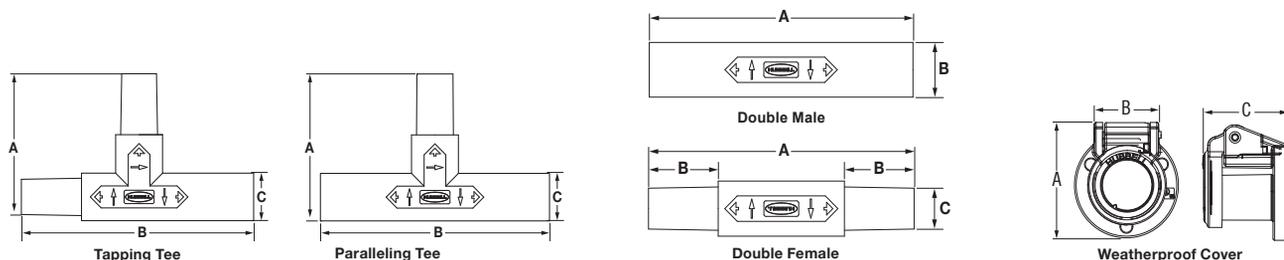
### Accessories



Accessory Kit	Retaining Screw (100 Pack)	Copper Foil (100 Pack)	Brass Wire (100 Pack)	Terminal Screws (100 Pack)		Ferrules (100 Pack)	
				Inline	Panel Mount	#2 AWG	#4 AWG
<b>HBL15PK</b>	<b>HBL15RS</b>	<b>HBL15CF</b>	<b>HBL15BW</b>	<b>HBL15TS25</b>	<b>HBL15TS375</b>	<b>HBL15F2</b>	<b>HBL15F4</b>

### Product Dimensions Inches (mm)

	Tees		Gender Reversing Devices		Weatherproof Covers
	Tapping	Paralleling	Double Male	Double Female	
A	2.67" (67.9)	2.67" (67.9)	4.22" (107.3)	4.22" (107.3)	2.03" (51.5)
B	4.28" (45.9)	4.22" (107.2)	0.86" (21.8)	1.05" (26.7)	1.14" (29.0)
C	0.865" (21.9)	0.865" (21.9)	—	0.68" (17.3)	1.49" (37.9)



# Cam-Type Devices



## Series 16 - Inlines and Panel Mount Receptacles

Enclosure Types  
3R, 4X, 12

### 300A and 400A 600V AC/250V DC Inlines



Description	Color	300 Amp, Cable Size #6 - 2/0 AWG		400 Amp, Cable Size 2/0 - 4/0 AWG	
		Male Inline	Female Inline	Male Inline	Female Inline
Thermoplastic elastomer Inline	Black	<b>HBL300MBK</b>	<b>HBL300FBK</b>	<b>HBL400MBK</b>	<b>HBL400FBK</b>
	White	<b>HBL300MW</b>	<b>HBL300FW</b>	<b>HBL400MW</b>	<b>HBL400FW</b>
	Green	<b>HBL300MGN</b>	<b>HBL300FGN</b>	<b>HBL400MGN</b>	<b>HBL400FGN</b>
	Red	<b>HBL300MR</b>	<b>HBL300FR</b>	<b>HBL400MR</b>	<b>HBL400FR</b>
	Blue	<b>HBL300MBL</b>	<b>HBL300FBL</b>	<b>HBL400MBL</b>	<b>HBL400FBL</b>
	Brown	<b>HBL300MBN</b>	<b>HBL300FBN</b>	<b>HBL400MBN</b>	<b>HBL400FBN</b>
	Orange	<b>HBL300MO</b>	<b>HBL300FO</b>	<b>HBL400MO</b>	<b>HBL400FO</b>
	Yellow	<b>HBL300MY</b>	<b>HBL300FY</b>	<b>HBL400MY</b>	<b>HBL400FY</b>
	Gray*	—	—	<b>HBL400MGY</b>	<b>HBL400FGY</b>

### 400A Panel Mount Receptacles



Description	Color	Double Set Screw		Double Set Screw, Angled	
		Through Hole Mounting, Cable Size #4 - 4/0 AWG		Through Hole Mounting, Cable Size #4 - 4/0 AWG	
		Male Plug	Female Plug	Male Plug	Female Plug
Thermoplastic elastomer plugs, mates with 300 and 400 amp Inline	Black	<b>HBLMRBK</b>	<b>HBLFRBK</b>	<b>HBLMRABK</b>	<b>HBLFRABK</b>
	White	<b>HBLMRW</b>	<b>HBLFRW</b>	<b>HBLMRRAW</b>	<b>HBLFRRAW</b>
	Green	<b>HBLMRGN</b>	<b>HBLFRGN</b>	<b>HBLMRAGN</b>	<b>HBLFRAGN</b>
	Red	<b>HBLMRR</b>	<b>HBLFRR</b>	<b>HBLMRAR</b>	<b>HBLFRAR</b>
	Blue	<b>HBLMRBL</b>	<b>HBLFRBL</b>	<b>HBLMRABL</b>	<b>HBLFRABL</b>
	Brown	<b>HBLMRBN</b>	<b>HBLFRBN</b>	<b>HBLMRABN</b>	<b>HBLFRABN</b>
	Orange	<b>HBLMRO</b>	<b>HBLFRO</b>	<b>HBLMRAO</b>	<b>HBLFRAO</b>
	Yellow	<b>HBLMRY</b>	<b>HBLFRY</b>	<b>HBLMRAY</b>	<b>HBLFRAY</b>
	Gray*	<b>HBLMRGY</b>	<b>HBLFRGY</b>	—	—

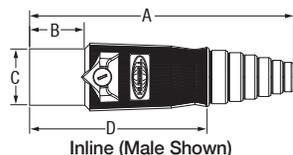


Description	Color	Stud Type Receptacles			
		Through Hole Mounting		Threaded Mounting Holes	
		Male	Female	Male	Female
Thermoplastic elastomer plugs, mates with 300 and 400 amp plugs.	Black	<b>HBLMRSBK</b>	<b>HBLFRSBK</b>	<b>HBLMRSCBK</b>	<b>HBLFRSCBK</b>
	White	<b>HBLMRSW</b>	<b>HBLFRSW</b>	<b>HBLMRSCW</b>	<b>HBLFRSCW</b>
	Green	<b>HBLMRSGN</b>	<b>HBLFRSGN</b>	<b>HBLMRSCGN</b>	<b>HBLFRSCGN</b>
	Red	<b>HBLMRSR</b>	<b>HBLFRSR</b>	<b>HBLMRSCR</b>	<b>HBLFRSCR</b>
	Blue	<b>HBLMRSDL</b>	<b>HBLFRSDL</b>	<b>HBLMRSCBL</b>	<b>HBLFRSCBL</b>
	Brown	<b>HBLMRSDN</b>	<b>HBLFRSDN</b>	<b>HBLMRSCBN</b>	<b>HBLFRSCBN</b>
	Orange	<b>HBLMRSO</b>	<b>HBLFRSO</b>	<b>HBLMRSCO</b>	<b>HBLFRSCO</b>
	Yellow	<b>HBLMRSY</b>	<b>HBLFRSY</b>	<b>HBLMRSCY</b>	<b>HBLFRSCY</b>

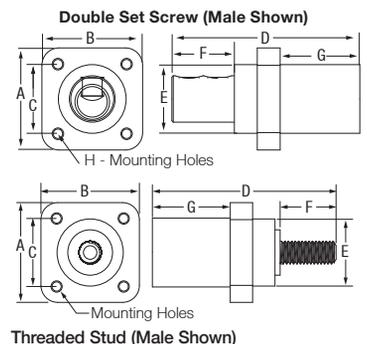
Note: \*Gray is available upon request. Contact factory.

### Product Dimensions Inches (mm)

	Male Plug	Female Plug
A	6.74" (171.2)	6.84" (173.6)
B	1.47" (37.3)	1.44" (36.6)
C	1.48" (37.6)	1.06" (27.0)
D	4.78" (121.4)	4.80" (122.0)



	Double Set Screw Receptacle		Stud Type Receptacle	
	Threaded Holes	Through Hole	Threaded Holes	Threaded Holes
A	2.20" (55.9)	2.20" (55.9)	2.20" (55.9)	2.20" (55.9)
B	2.20" (55.9)	2.20" (55.9)	2.20" (55.9)	2.20" (55.9)
C	1.50" (38.1)	1.50" (38.1)	1.50" (38.1)	1.50" (38.1)
D	4.10" (104.3)	4.10" (104.3)	3.67" (93.2)	3.67" (93.2)
E	1.48" (37.6)	1.48" (37.6)	1.48" (37.6)	1.48" (37.6)
F	1.36" (34.5)	1.25" (31.7)	1.11" (28.2)	1.11" (28.2)
G	1.74" (44.2)	1.74" (44.2)	1.55" (39.4)	1.55" (39.4)
H	4x #10-32	4x Ø .20"	4x #10-32	4x #10-32
	(2) 7/32 Socket Head Set Screws	Stud Termination		1/2-13 UNC-2A



### 400A Extended Stud Type Receptacles



Description	Color	Extended Stud Type Receptacles	
		Male	Female
Thermoplastic elastomer plugs, threaded hole mounting, mates with 300 and 400 amp plugs.	Black	<b>HBLMRSCEBK</b>	<b>HBLFRSCEBK</b>
	White	<b>HBLMRSCEW</b>	<b>HBLFRSCEW</b>
	Green	<b>HBLMRSCEGN</b>	<b>HBLFRSCEGN</b>
	Red	<b>HBLMRSCEB</b>	<b>HBLFRSCEB</b>
	Blue	<b>HBLMRSCEBL</b>	<b>HBLFRSCEBL</b>
	Brown	<b>HBLMRSCEBN</b>	<b>HBLFRSCEBN</b>
	Orange	<b>HBLMRSCEO</b>	<b>HBLFRSCEO</b>
	Yellow	<b>HBLMRSCEY</b>	<b>HBLFRSCEY</b>

### 400A Angled Panel Mount Receptacles



Description	Color	Angled Stud Type Receptacles	
		Male	Female
Thermoplastic elastomer plugs, through hole mounting, mates with 300 and 400 amp plugs.	Black	<b>HBLMRASBK</b>	<b>HBLFRASBK</b>
	White	<b>HBLMRASW</b>	<b>HBLFRASW</b>
	Green	<b>HBLMRASGN</b>	<b>HBLFRASGN</b>
	Red	<b>HBLMRASR</b>	<b>HBLFRASR</b>
	Blue	<b>HBLMRASBL</b>	<b>HBLFRASBL</b>
	Brown	<b>HBLMRASBN</b>	<b>HBLFRASBN</b>
	Orange	<b>HBLMRASO</b>	<b>HBLFRASO</b>
	Yellow	<b>HBLMRASY</b>	<b>HBLFRASY</b>

### 400A Bus Bar Receptacles



Description	Color	Bus Bar Receptacles	
		Male	Female
Thermoplastic elastomer plugs, through hole mounting, mates with 300 and 400 amp plugs.	Black	<b>HBLMRBBK</b>	<b>HBLFRBBK</b>
	White	<b>HBLMRBW</b>	<b>HBLFRBW</b>
	Green	<b>HBLMRBGN</b>	<b>HBLFRBGN</b>
	Red	<b>HBLMRBR</b>	<b>HBLFRBR</b>
	Blue	<b>HBLMRBBL</b>	<b>HBLFRBBL</b>
	Brown	<b>HBLMRBBN</b>	<b>HBLFRBBN</b>
	Orange	<b>HBLMRBO</b>	<b>HBLFRBO</b>
	Yellow	<b>HBLMRBY</b>	<b>HBLFRBY</b>

### Bus Bar, 2 Holes



2 Holes Bus Bar Receptacles	
Male	Female
<b>HBLMRB2BK</b>	<b>HBLFRB2BK</b>
<b>HBLMRB2W</b>	<b>HBLFRB2W</b>
<b>HBLMRB2GN</b>	<b>HBLFRB2GN</b>
<b>HBLMRB2R</b>	<b>HBLFRB2R</b>
<b>HBLMRB2BL</b>	<b>HBLFRB2BL</b>
<b>HBLMRB2BN</b>	<b>HBLFRB2BN</b>
<b>HBLMRB2O</b>	<b>HBLFRB2O</b>
<b>HBLMRB2Y</b>	<b>HBLFRB2Y</b>

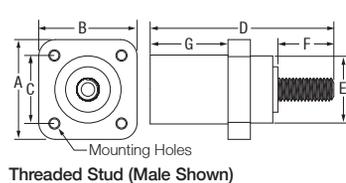
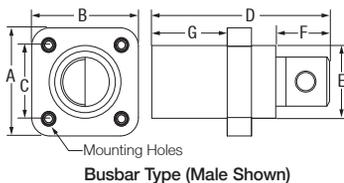
### Angled Bus Bar



Angled Bus Bar Receptacles	
Male	Female
<b>HBLMRABBK</b>	<b>HBLFRABBK</b>
<b>HBLMRABW</b>	<b>HBLFRABW</b>
<b>HBLMRABGN</b>	<b>HBLFRABGN</b>
<b>HBLMRABR</b>	<b>HBLFRABR</b>
<b>HBLMRABBL</b>	<b>HBLFRABBL</b>
<b>HBLMRABBN</b>	<b>HBLFRABBN</b>
<b>HBLMRABO</b>	<b>HBLFRABO</b>
<b>HBLMRABY</b>	<b>HBLFRABY</b>

### Product Dimensions Inches (mm)

	Bus Bar Type Receptacle		Stud Type Receptacle	
	Threaded Hole		Through Hole	Threaded Holes
A	2.20" (55.9)		2.20" (55.9)	2.20" (55.9)
B	2.20" (55.9)		2.20" (55.9)	2.20" (55.9)
C	1.50" (38.1)		1.50" (38.1)	1.50" (38.1)
D	3.57" (90.7)		4.10" (104.3)	3.67" (93.2)
E	1.48" (37.6)		1.48" (37.6)	1.48" (37.6)
F	1.01" (25.7)		1.25" (31.7)	1.11" (28.2)
G	1.55" (39.4)		1.74" (44.2)	1.55" (39.4)
H	4x #10-32		4x Ø .20"	4x #10-32
	(1) 5/16-18 UNC-2B Threaded Hole Termination		Stud Termination 1/2-13 UNC-2A	



# Cam-Type Devices



## Series 16 - Offsets, Tees, 3-Fers and Gender Reversing Devices

Enclosure Types  
3R, 4X, 12

### 400A Terminals, Offset Straight Style



Description	Color	Extended Stud Type Receptacles	
		Male	Female
Terminal, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	<b>HBLMOSBK</b>	<b>HBLFOSBK</b>
	White	<b>HBLMOSW</b>	<b>HBLFOSW</b>
	Green	<b>HBLMOSGN</b>	<b>HBLFOSGN</b>
	Red	<b>HBLMOSR</b>	<b>HBLFOSR</b>
	Blue	<b>HBLMOSBL</b>	<b>HBLFOSBL</b>
	Brown	<b>HBLMOSBN</b>	<b>HBLFOSBN</b>
	Orange	<b>HBLMOSO</b>	<b>HBLFOSO</b>
	Yellow	<b>HBLMOSY</b>	<b>HBLFOSY</b>

Note: All Offset Terminals are UL Type 1 only.

### 400A Angled Terminals, Offset Straight Style



Description	Color	Angled Stud Type Receptacles	
		Male	Female
Terminal, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	<b>HBLMOABK</b>	<b>HBLFOABK</b>
	White	<b>HBLMOAW</b>	<b>HBLFOAW</b>
	Green	<b>HBLMOAGN</b>	<b>HBLFOAGN</b>
	Red	<b>HBLMOAR</b>	<b>HBLFOAR</b>
	Blue	<b>HBLMOABL</b>	<b>HBLFOABL</b>
	Brown	<b>HBLMOABN</b>	<b>HBLFOABN</b>
	Orange	<b>HBLMOAO</b>	<b>HBLFOAO</b>
	Yellow	<b>HBLMOAY</b>	<b>HBLFOAY</b>

### Tees, 3-Fers and Gender Reversing Devices

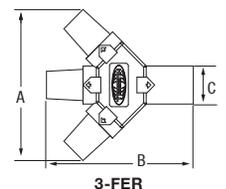
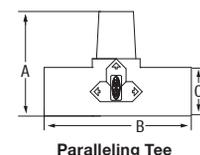
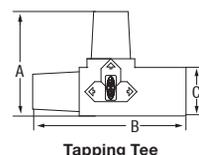
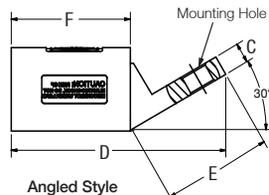
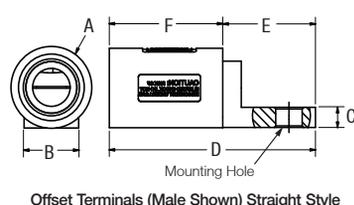


Color	Tapping Tee	Paralleling Tee	3-Fers		Soft 3-Fer	Distribution Block
	(Female-Female-Male)	(Female-Male-Male)	(Male-Female-Female-Female)	(Female-Male-Male-Male)	(Male-Female-Female-Female)	(1 Male, 6 Females)
Black	<b>HBLTBK</b>	<b>HBLPTBK</b>	<b>HBLM3FBK</b>	<b>HBLF3MBK</b>	<b>HBLM3FSBK</b> (Black only)	<b>HBL7DBBK</b>
White	<b>HBLTW</b>	<b>HBLPTW</b>	<b>HBLM3FW</b>	<b>HBLF3MW</b>		<b>HBL7DBW</b>
Green	<b>HBLTGN</b>	<b>HBLPTGN</b>	<b>HBLM3FGN</b>	<b>HBLF3MGN</b>	Soft 3-Fer (FemaleMale-Male-Male) <b>HBLF3FSGN</b> (Green only)	<b>HBL7DBGN</b>
Red	<b>HBLTR</b>	<b>HBLPTR</b>	<b>HBLM3FR</b>	<b>HBLF3MR</b>		<b>HBL7DBR</b>
Blue	<b>HBLTBL</b>	<b>HBLPTBL</b>	<b>HBLM3FBL</b>	<b>HBLF3MBL</b>		<b>HBL7DBBL</b>
Brown	<b>HBLTBN</b>	<b>HBLPTBN</b>	<b>HBLM3FBN</b>	<b>HBLF3MBN</b>		<b>HBL7DBBN</b>
Orange	<b>HBLTO</b>	<b>HBLPTO</b>	<b>HBLM3FO</b>	<b>HBLF3MO</b>		<b>HBL7DBO</b>
Yellow	<b>HBLTY</b>	<b>HBLPTY</b>	<b>HBLM3FY</b>	<b>HBLF3MY</b>		<b>HBL7DBY</b>

### Product Dimensions Inches (mm)

	Offset Terminals			
	Through Hole, Straight		Through Hole, Angled	
	Male	Female	Male	Female
A	Ø 1.48" [37.6]	Ø 1.48" [37.6]	Ø 1.48" [37.6]	Ø 1.48" [37.6]
B	1.00" (25.4)	1.00" (25.4)	1.00" (25.4)	1.00" (25.4)
C	.38" (9.5)	.38" (9.5)	.38" (9.5)	.38" (9.5)
D	3.89" (98.8)	3.68" (93.3)	3.98" (101.1)	3.76" (95.6)
E	1.75" (44.5)	1.75" (44.5)	2.06" (52.2)	2.06" (52.2)
F	2.14" (54.4)	1.93" (48.9)	2.14" (54.4)	1.93" (48.9)
	Through .50" (12.7)	Through .50" (12.7)	Through .50" (12.7)	Through .50" (12.7)

	Tees		
	Tapping	Paralleling	3-Fers
A	3.18" (80.8)	3.18" (80.8)	5.88" (149.3)
B	4.74" (120.4)	4.65" (118.1)	5.78" (146.9)
C	1.48" (37.6)	1.48" (37.6)	1.48" (37.6)



### Replacement Bodies



Color	Gender Reversing Devices	
	Double Male (Male-Male)	Double Female (Female-Female)
Clear	—	—
Black	<b>HBLDMBK</b>	<b>HBLDFBK</b>
White	<b>HBLDMW</b>	<b>HBLDFW</b>
Green	<b>HBLDMGN</b>	<b>HBLDFGN</b>
Red	<b>HBLDMR</b>	<b>HBLDFR</b>
Blue	<b>HBLDMBL</b>	<b>HBLDFBL</b>
Brown	<b>HBLDMBN</b>	<b>HBLDFBN</b>
Orange	<b>HBLDMO</b>	<b>HBLDFO</b>
Yellow	<b>HBLDMY</b>	<b>HBLDFY</b>

### Protective Caps



Protective Caps	
Fits Male Devices	Fits Female Devices
—	—
<b>HBLMCAPBK</b>	<b>HBLFCAPBK</b>
<b>HBLMCAPW</b>	<b>HBLFCAPW</b>
<b>HBLMCAPGN</b>	<b>HBLFCAPGN</b>
<b>HBLMCAPR</b>	<b>HBLFCAPR</b>
<b>HBLMCAPBL</b>	<b>HBLFCAPBL</b>
<b>HBLMCAPBN</b>	<b>HBLFCAPBN</b>
<b>HBLMCAPO</b>	<b>HBLFCAPO</b>
<b>HBLMCAPY</b>	<b>HBLFCAPY</b>

### Weather Protective Covers



Weather Protective Covers	
Catalog Number	All One Color Caps and Bodies
—	<b>HBLNCC</b>
<b>HBLNCBK</b>	<b>HBLNCABK</b>
<b>HBLNCW</b>	<b>HBLNCAW</b>
<b>HBLNCGN</b>	<b>HBLNCAGN</b>
<b>HBLNCR</b>	<b>HBLNCAR</b>
<b>HBLNCBL</b>	<b>HBLNCABL</b>
<b>HBLNCBN</b>	<b>HBLNCABN</b>
<b>HBLNCO</b>	<b>HBLNCAO</b>
<b>HBLNCY</b>	<b>HBLNCAY</b>

### Replacement Bodies (100 Pack)



Color	Male Body	Female Body
Black	<b>HBLMBBK</b>	<b>HBLFBBK</b>
White	<b>HBLMBW</b>	<b>HBLFBW</b>
Green	<b>HBLMBGN</b>	<b>HBLFBGN</b>
Red	<b>HBLMBR</b>	<b>HBLFBR</b>
Blue	<b>HBLMBBL</b>	<b>HBLFBBL</b>
Brown	<b>HBLMBBN</b>	<b>HBLFBBN</b>
Orange	<b>HBLMBO</b>	<b>HBLFBO</b>
Yellow	<b>HBLMBY</b>	<b>HBLFBY</b>

### Snap Back Covers (3R only)



Through Hole Mounting	Threaded Mounting Hole
<b>HBLSCBK</b>	<b>HBLSCCBK</b>
<b>HBLSCW</b>	<b>HBLSCCW</b>
<b>HBLSCGN</b>	<b>HBLSCGN</b>
<b>HBLSCR</b>	<b>HBLSCCR</b>
<b>HBLSCBL</b>	<b>HBLSCCBL</b>
<b>HBLSCBN</b>	<b>HBLSCCBN</b>
<b>HBLSCO</b>	<b>HBLSCCO</b>
<b>HBLSCY</b>	<b>HBLSCCY</b>

### Replacement Contacts



Contact Size	Male Pin	Female Body
300 Amp	<b>HBL300RCM</b>	<b>HBL300RCF</b>
400 Amp	<b>HBL400RCM</b>	<b>HBL400RCF</b>

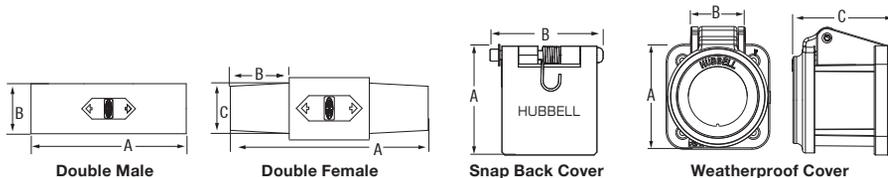
### Accessories



Accessory Kit	Retaining Screw (500 Pack)	Copper Foil (500 Pack)	Brass Wire (500 Pack)	Terminal Screws (500 Pack)	
				Inline	Panel Mount
<b>HBLPK</b>	<b>HBLRS</b>	<b>HBLCF</b>	<b>HBLBW</b>	<b>HBLTS</b>	<b>HBLTSR</b>

### Product Dimensions Inches (mm)

	Gender Reversing Devices		Covers	
	Double Male	Double Female	Snap Back	Weatherproof
A	4.65" (118.1)	4.84" (122.9)	2.26" (57.4)	2.20" (55.88)
B	1.48" (37.6)	1.44" (36.6)	2.37" (60.2)	1.16" (29.44)
C	—	1.06" (27.0)	—	2.03" (51.5)



### Portable Power When You Need It Most!

- Designed to address temporary power needs on construction sites and outdoor events
- Boxes are UL Type 3R for outdoor rainproof applications
- Weatherproof boots available for connecting plugs for additional protection
- Bryant's Temporary Power Distribution Boxes meet NEC® 305.6 requirements for personal protection
- Listed to the latest UL 1640 standard for Portable Power Distribution Equipment



#### Housing Design

- Features 50A locking input and output
- UL Type 3R for outdoor rainproof applications



#### Safety

- Overcurrent protection for each circuit
- Individual GFCI module for each receptacle



#### Devices

- Weatherproof receptacle lift covers
- Available with six 20A straight blade or locking receptacles



#### Assembly

- Nested leg design allows boxes to be easily stacked

### Construction Sites

- Renovations
- New Construction
- Demolition



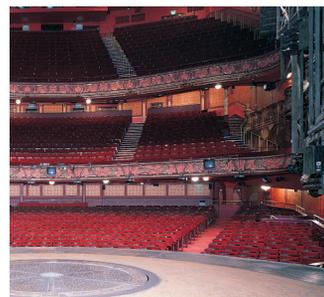
### Universities/Schools

- Graduation Ceremonies
- Concerts/Lectures
- Sporting Events



### Stage/Theater

- Movie/Broadcasting
- Concerts
- Plays/Musicals



### Outdoor Entertainment

- Carnivals
- Festivals
- Professional Sports



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Power Distribution Boxes



## Temporary Power Boxes, Cable Sets and Replacement Parts



- Weatherproof receptacle lift covers
- Available with six 20A straight blade or locking receptacles
- Features 50A locking input and output
- Over current protection for each circuit
- Individual GFCI module for each receptacle
- Nested leg design allows boxes to be easily stacked
- UL Type 3R for outdoor rainproof applications

### Temporary Power Distribution Boxes

Rating	Type	Qty	Receptacle Ratings	Protection Overload	GFCI Protected	Catalog Number
50A 120/240V AC (Max.)	Straight Blade	6	20A 125V	Yes	Yes	<b>TPDSB</b>
	Locking	1	30A 250V	Yes	No	
	Locking (inlet)	1	50A 125/250V	No	No	
	Locking (outlet)	1	50A 125/250V	No	No	
50A 120/240V AC (Max.)	Locking	6	20A 125V	Yes	Yes	<b>TPDLB</b>
	Locking	1	30A 250V	Yes	No	
	Locking (inlet)	1	50A 125/250V	No	No	
	Locking (outlet)	1	50A 125/250V	No	No	

### Cable Sets



TPC50B

Description	50 Ft. Cable	100 Ft. Cable
50A cord set, #6/3, #8/1 cable type, with 50A locking plug and connector.	<b>TPC50B*</b>	<b>TPC100B*</b>

Note: \* Not UL Listed or CSA Certified.

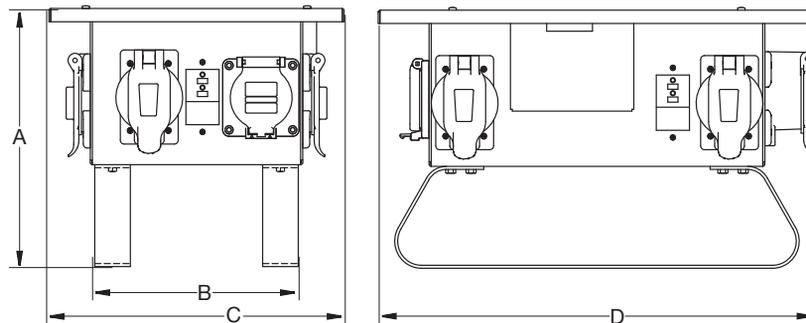
### Replacement Parts



Description	20A 125V	30A 250V	50A 125/250V
Straight blade receptacle	<b>5361BLK</b>	—	—
Locking receptacle	<b>70520FR</b>	<b>70630FR</b>	<b>CS6369L</b>
Plug	—	—	<b>CS6365L</b>
Connector	—	—	<b>CS6364L</b>
Inlet	—	—	<b>CS6375L</b>
Weather protective plate for receptacle	—	—	<b>7774CR</b>
Weather protective plate for inlet	—	—	<b>7780</b>

### Product Dimensions Inches (mm)

TPD Box	
A	12.52" (317.9)
B	10.23" (259.8)
C	14.50" (368.3)
D	21.50" (546.1)



# Power Distribution Boxes



## Weather Protective Lift Covers, Portable Outlet Boxes and Plates



- Wiring room large enough to accommodate the broadest range of device requirements in one box size
- Cord entry options include pre-defined range of 0.38 in. to 0.50 in.
- Fully thermoplastic elastomer housing exceeds UL crush requirements and is highly impact resistant, available in black or yellow
- Brass inserts for maximum strength
- Extended wall protects lift covers from impact damage



- Lift cover plates are UL Type 3R seal on a panel or on a portable outlet box
- Impact resistant PBT material
- Stainless steel hinge and spring

### Pre-Assembled Portable Outlet Boxes (with Cord Connector Installed) Inches (mm)

**Box Suitable for Wet and Damp Locations**

**IP44**  
SUITABILITY



BRY3099



BRY3090F



BRY3000

Description	Cord Range	Color	Deep	Deep with Feed-Thru	Deep with (2) Duplex Cover Plates
Portable outlet boxes	0.38"-0.50" (9.7-12.7)	Yellow	<b>BRY3099</b>	<b>BRY3090F</b>	<b>BRY3000</b>

Note: For use with NEMA Type 1 and Type 3R portable outlet box covers listed below.

### Portable Outlet Box Cover Plates (Type 1) and Lift Covers (Type 3R)

**UL Type 1, 3R**

**IP65, 66**  
SUITABILITY



BRY3051



BRY3056



BRY3052



BRY3057



BRY3055



BRY3058



BRY3060



BRY3061

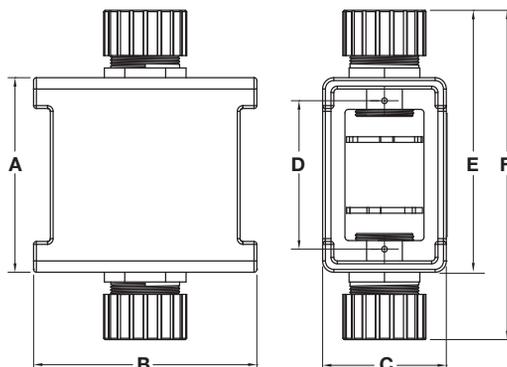


BRY3054

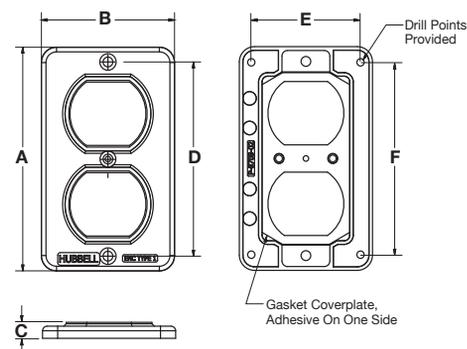
Description	Duplex		1.39" Diameter Receptacle		1.572" Diameter Receptacle		GFCI		Blank
	Box Cover UL Type 1	Lift Cover UL Type 3R	Box Cover UL Type 1	Lift Cover UL Type 3R	Box Cover UL Type 1	Lift Cover UL Type 3R	Box Cover UL Type 1	Lift Cover UL Type 3R	Lift Cover UL Type 3R
Portable outlet box cover plates	<b>BRY3051</b>	<b>BRY3056</b>	<b>BRY3052</b>	<b>BRY3057</b>	<b>BRY3055</b>	<b>BRY3058</b>	<b>BRY3060</b>	<b>BRY3061</b>	<b>BRY3054</b>

### Product Dimensions Inches (mm)

Portable Outlet Boxes	
A	4.30" (109.2)
B	5.00" (127.0)
C	2.77" (70.4)
D	3.28" (83.3)
E	5.79" (147.0)
F	7.28" (184.9)
Box Covers	
A	3.78" (96.0)
B	2.28" (57.9)
C	0.27" (6.9)
D	3.28" (83.3)
E	1.87" (47.5)
F	3.25" (82.6)



Style shown is representative of all openings.



# Temporary Lighting

## Construction Site Lighting



Bryant's outdoor approved construction site lighting line includes both heavy-duty metal halide lights and light strings for working in rugged environments. The metal halide fixtures feature extremely strong and compact heads with bulbs rated to last 10,000 hours. All frames are powder-coated yellow for safety and are constructed of a durable 1.25 inch, 12 gauge steel tube.

Light strings for all applications are available in a variety of models as well as a choice of metal or plastic guards. Light sockets are spaced 10 feet apart and all sockets, plugs, and connectors are molded for added durability. In addition, the highly impact-resistant material makes for easy transportation and storage when not in use. Bulbs can be incandescent, fluorescent or LED. Consider choosing LED lighting for a durable bulb that saves energy, provides instant illumination and are rated to last 50,000 hours.



**BRYMHHB400**

### Metal Halide and LED Lights

Description	Rating	Watts	Lumen Output	Cord Length	Catalog Number
High bay metal halide light with wire guard.	15A 125V	400	29,000	3 ft.	<b>BRYMHHB400</b>
High bay LED light with wire guard.	15A 125V	120	14,000	5 ft.	<b>BRYLEDHB120</b>
	15A 125V	100	12,000	5 ft.	<b>BRYLEDHB100</b>
	15A 125V	60	7,200	5 ft.	<b>BRYLEDHB60</b>



**BRYLEDHB120**

### LED Stringer Lights

Description	No. of Fixtures	Rating	Cord Type	Lumen Output	Cord Length	Catalog Number
90 LEDs per fixture, light string with magnetic base included.	1	15A 125V	#18/2 SJTW	450*	20 ft.	<b>BRY182S20LED</b>
90 LEDs per fixture, light string.	5	15A 125V	#18/2 SJTW	450*	50 ft.	<b>BRY182S50LED</b>
	10	15A 125V	#18/2 SJTW	450*	100 ft.	<b>BRY182S100LED</b>
Magnetic clip bracket for LED light string.						<b>BRYSTMC</b>

Note: \*Lumens per fixture.



**BRY182S50LEDH**

### A Type (Edison) Locking and Straight Blading Light Strings

Description	Max Watts**	Rating	Cord Type	Fixtures	Cord Length	Catalog Number
Locking light string; plastic guards.	150	20A 125V	#12/3 STJW	10	100 ft.	<b>BRY123SJ100PT</b>
Straight Blade light string; plastic guards.	150	15A 125V	#14/2 STJW	10	100 ft.	<b>BRY142SJ100PS</b>
	150	15A 125V	#12/3 STW	10	100 ft.	<b>BRY123S100PS</b>
	150	15A 125V	#12/3 STJW	10	100 ft.	<b>BRY123SJ100PS</b>
Straight Blade light string; metal guards.	150	15A 125V	#12/3 STW	10	100 ft.	<b>BRY123S100MS</b>
Straight Blade light string; plastic guards.	150	15A 125V	#12/3 STW	5	50 ft.	<b>BRY123S50PS</b>
Straight Blade light string; metal guards.	150	15A 125V	#12/3 STW	5	50 ft.	<b>BRY123S50MS</b>
Replacement plastic guard for temporary light strings.						<b>BRYSTPG</b>
Replacement heavy duty metal guard for temporary light strings.						<b>BRYSTMG</b>

Note: \*\*Max watts per fixture. The total wattage must be considered when daisy chaining lights strings to each other.



**BRY142SJ100PS**



**BRYSTMC**



**BRYSTPG**



**BRYSTMG**

# Temporary Lighting

## Maintenance and Worklights



Choose Bryant's industrial work lights for maximum user safety. The fluorescent lights are designed with all electrical components located inside a closed chamber for your protection. Lamps stay cool while spreading light over large areas. Work light models can be paired with an adjustable hanging kit or magnetic mounts for positioning flexibility.

Portable work lights can be transported and re-mounted.

Long cords allow free movement in work space.

### LED Maintenance Worklights

Description	Outlet Rating	Rating	Wattage	Lumen Output	Cord Type	Cord Length	Catalog Number
LED Industrial maintenance light, 1 vertical hanging hook included.	N/A	15A 125V	20	2400	#16/3 SJEOW	25 ft.	<b>BRYML2825L</b>
LED worklight with end light feature.	N/A	15A 125V	9	920/120	#18/2 SJTOW	25 ft.	<b>BRYWL25LED</b>
LED worklight with end light feature and tool tap.	12 Amp	15A 125V	9	920/120	#16/3 SJTOW	25 ft.	<b>BRYWL25LEDT</b>



### Fluorescent Maintenance Worklights

Description	Outlet Rating	Rating	Wattage	Lumen Output	Cord Type	Cord Length	Catalog Number
Fluorescent worklight with straight blade plug.	N/A	15A 125V	13	825	#16/3 SJTOW	25 ft.	<b>BRYTW25F1</b>



### Accessories and Replacement Items

Description	Catalog Number
Magnetic mounting bracket for ML style lights, 82 lb. capacity.	<b>BRYMLMM</b>
Magnetic mounting bracket for WL style lights, 58 lb. capacity.	<b>BRYWLMM</b>
Replacement rough service fluorescent bulb for 13 watt style lamps.	<b>BRYREPPFB</b>
Replacement LED panel fixture, 90 LEDs, 450 lumen.	<b>BRYREP450LED</b>
5 base LED string only, 50 ft., 18/2.	<b>BRYREP182S50</b>
10 base LED string only, 100 ft., 18/2.	<b>BRYREP182S100</b>



# Cam-Type Devices and Power Distribution Boxes

## Cord Reels

### Cord Reels with Hand Lamps

Description	Wattage	Lumen Output	Light Amps/ Outlet Amps	Volts	Cord Type	Cord Length	Catalog Number
Reel with LED hand lamp, with flashlight end, white	9	920/120	0.065 / N/A	125	18/2 SJTOW	40 ft.	<b>BRYC40182LED</b>
Reel with non-metallic incandescent hand lamp and automatic shut off switch, yellow	75 Max.	1,150 Max.	N/A / N/A	125	16/3 SJT	25 ft.	<b>BRYC25163AIN</b>
Reel with metallic incandescent hand lamp with receptacle, yellow	75 Max.	1,150 Max.	N/A / 10	125	16/3 SJT	25 ft.	<b>BRYC25143IN</b>
Reel with fluorescent hand lamp and automatic shut off switch, white	13	825	0.3 / N/A	120	18/2 SJTOW	40 ft.	<b>BRYC40182AFL</b>
Reel with fluorescent hand lamp and in-line receptacle, white	13	825	0.3 / 12	120	16/3 SJT	40 ft.	<b>BRYC40163FL</b>



BRYC40182LED

## Cam-Type Device Specifications

### Series 15 - Listings

UL and cUL Listed.

UL Enclosure Types 3R, 4X, 12.

Flammability: HB per UL94 or CSA 22.2. 0.17.

UL 1691 standard for single pole locking-type separable connectors.

National Electric Code (NEC®), ANSI/NFPA 70.

### Conductor Ampacity Chart (Type SC/PPC Wire)

Cable Size		Ampacity*	
150A	300A and 400A	150A	300A and 400A
#8	#4	80	140
#6	#2	105	190
#4	2/0	140	300
#2	4/0	190	405

Note: \*90°C column NEC Table 400.5(A)(2).

### Series 16 - Listings

UL and cUL Listed.

UL Enclosure Types 3R, 4X, 12.

Flammability: HB per UL94 or CSA 22.2. 0.17.

UL 498 for attachment plugs and receptacles.

UL 1691 draft standard for single pin and sleeve devices intended for theatre, stage and studio applications (Series 16 pending).

National Electric Code (NEC®), ANSI/NFPA 70.

## Performance

Electrical	Series 15 - 150A	Series 16 - 300A and 400A
Voltage rating	600V AC Maximum, 250V DC Maximum	600V AC Maximum, 250V DC Maximum
Amperage rating	150A Maximum	400A Maximum
Mechanical		
Terminal accommodation	Plug: #8 to #2 AWG Recept.: #8 to #2 AWG	Plug- 300A - #6 to 2/0 AWG Plug- 400A - 2/0 to 4/0 AWG Recept.- 400A - #4 to 4/0 AWG
Product identification	Ratings are a permanent part of device	Ratings are a permanent part of device
Base compound	Plug: Thermoplastic Elastomer (TPE) Receptacle: Polybutylene Terephthalate (PBT)	Thermoplastic Elastomer (TPE)
Contact material	Brass	Brass
Retaining screw material	Nylon	Nylon
Operating temperature	Max. continuous +60°C, Min. continuous -40°C	Max. continuous +60°C, Min. continuous -40°C
UV resistance	All exposed materials are UV stabilized	All exposed materials are UV stabilized

## Power Distribution Box and Cable Specifications

### Listings

Box Specification

UL 1640, UL 943

Cable Specification

Connectors: UL/CSA, Cable: MSHA

### Environment

Indoor and outdoor wet and dry locations

Indoor and outdoor wet and dry locations

### Enclosure type

3R, rainproof, suitable for use in damp locations

### Code Compliance

NEC®, ANSI/NFPA 70

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Section M

## Electric Cord and Cable Reels

Table of Contents	Page
<b>Weatherproof and Static Discharge Reels</b> .....	M-2
Accessories.....	M-2
Product Dimensions.....	M-2
<b>Industrial Cord Reels</b> .....	M-3
Pivot Base.....	M-3
Product Dimensions.....	M-3
<b>Commercial Cord Reels</b> .....	M-3
Product Dimensions.....	M-3
<b>Cord Reels with Hand Lamps</b> .....	M-4
Product Dimensions.....	M-4
<b>Technical Information</b>	
Specifications.....	M-4



# Electric Cord and Cable Reels

## Weatherproof Cable Reels



- UL Type 4X enclosure rating protects spring motor, junction box, slip ring assembly and cable entrance from hose/down or corrosion
- Multi-position nylon roller guide can be mounted in four different positions
- Ratchet lock can be disengaged in field for constant tension applications
- Powder coated, solid steel construction protects reel from abrasion or corrosion
- Optional pivot base allows 340° rotation of reel and increases range of cable to nearly any direction

### Weatherproof Cable Reels, 50 Feet (15.2m)

Description	Cable Type	Amps	Volts AC	Weight Lbs. (kg)	Catalog Number
14" weatherproof reel	14/3 SOW-A	15	600	55 (24.9)	<b>BRY501431W*</b>
16" weatherproof reel	12/3 SOW-A	20	600	80 (36.3)	<b>BRY501232W*</b>
16" weatherproof reel	12/4 SOW-A	16	600	86 (39.0)	<b>BRY501242W*</b>
16" weatherproof reel	10/3 SOW-A	25	600	86 (39.0)	<b>BRY501032W*</b>
16" weatherproof reel	10/4 SOW-A	20	600	92 (41.7)	<b>BRY501042W*</b>

Note: \*All weatherproof cable reels are supplied with wire leads and 3/4" NPT hub feed. Power supply cable not supplied.



**BRY501242W**

## Accessories

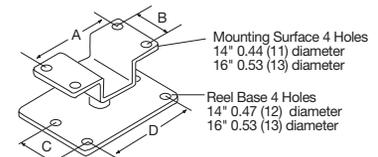
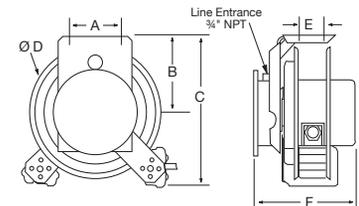


**BRY14PB**

Description	Weight Lbs. (kg)	Description
14" pivot base	5 (2.3)	<b>BRY14PB</b>
16" pivot base	13 (5.9)	<b>BRY16PB</b>
Replacement stop	0.2 (.09)	<b>BRYWPBS</b>

## Product Dimensions Inches (mm)

	Reel		Base	
	14"	16"	14"	16"
A	6.50" (165)	6.50" (165)	3.00" (76)	6.00" (152)
B	8.12" (206)	9.12" (232)	3.00" (76)	6.00" (152)
C	16.25" (413)	18.25" (464)	3.00" (76)	4.94" (125)
D	13.75" (349)	15.75" (400)	6.50" (165)	6.50" (165)
E	3.00" (76)	3.00" (76)	—	—
F	12.19" (310)	14.19" (360)	—	—



## Static Discharge Reels



- Compact design minimizes required installation space
- Steel construction
- Available with steel or nylon coated steel cable
- Large grounding jaw clamp provides low resistant ground termination

### Static Discharge Reels, 50 Feet (15.2m)

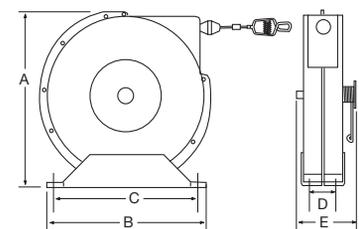
Cable Type	Weight Lbs. (kg)	Catalog Number
Single 3/32" steel	12 (5.4)	<b>BRY50SD</b>



**BRY50SD**

## Product Dimensions Inches (mm)

	Reel
A	8.81" (224)
B	8.62" (219)
C	7.88" (200)
D	1.50" (38)
E	3.35" (85)



# Electric Cord and Cable Reels

## inREACH™ Industrial Cord Reels



- Durable, corrosion resistant cast aluminum construction
- White powder coat finish
- Multi-position guide arm can be mounted in two positions
- Positive latch mechanism automatically maintains desired cord length
- Ratchet lock can be disengaged in field for constant tension applications
- 16–10 AWG, 3 & 4 conductor cord for greater current carrying capacity
- Available in 45ft lengths

## inREACH™ Industrial Cord Reels Connector Ends

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
White Industrial Reel with HBL5269C	15	125	45 (13.7)	14/3 SJO	24.0 (10.9)	<b>BRYI45143C15</b>
White Industrial Reel with HBL5369C	20	125	45 (13.7)	12/3 SJO	26.5 (12.0)	<b>BRYI45123C20</b>
White Industrial Reel with (1) 15A Duplex Receptacle Yellow Portable Outlet Box (2) 15A Duplex Receptacles	15	125	45 (13.7)	14/3 SJO	26.5 (12.0)	<b>BRYI45143R15</b> <b>BRYI45143R215</b>
GFCI Module and (1) 15A Duplex Receptacle	15	125	45 (13.7)	14/3 SJO	26.5 (12.0)	<b>BRYI45143GF15</b>
White Industrial Reel with (1) 20A Duplex Receptacle Yellow Portable Outlet Box (2) 20A Duplex Receptacles	20	125	45 (13.7)	12/3 SJO	26.5 (12.0)	<b>BRYI45123R20</b> <b>BRYI45123R220</b>
GFCI Module and (1) 20A Duplex Receptacle	20	125	45 (13.7)	12/3 SJO	26.5 (12.0)	<b>BRYI45123GF20</b>
GFCI Module and (2) 20A Duplex Receptacles	20	125	45 (13.7)	12/3 SJO	26.5 (12.0)	<b>BRYI45123GF220</b>
Mounting bracket					2.5 (1.1)	<b>BRYIMB</b>
340° pivot base					3.5 (1.1)	<b>BRYI340PB</b>

Note: 15A reels are supplied with HBL5266C on the power supply cord. 20A reels are supplied with HBL5366C on the power supply cord.



HBLI45143C15



HBLI45123R20



HBLI45123GF20



HBLIMB

## Commercial Cord Reels



BRYC40123TT

BRYC25163C

- Steel and heavy duty non-metallic design for commercial and general purpose applications
- Molded on plug for power cord requires no electrical wiring
- Compact size takes up little room and can be ceiling, wall or bench mounted
- Automatic ratchet lock holds cord at desired length and provides easy, smooth retraction of cord

## Commercial Cord Reels, Feet (m)

Description	Cable Feet (m)	Cable Type	Watts (Max)	Amps Volts	Weight Lbs. (kg)	Catalog Number
Triple tap outlet, black	40 (12.2)	12/3 SJTW	1,875	15A 125V AC	9.0 (4.1)	<b>BRYC40123TT</b>
5-15R connector, yellow	25 (7.6)	16/3 SJT	1,250	10A 125V AC	8.5 (3.9)	<b>BRYC25163C</b>

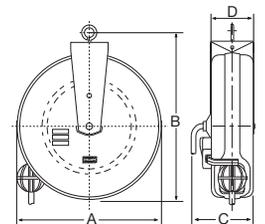
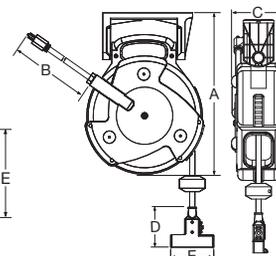
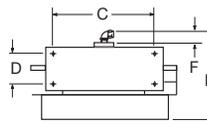
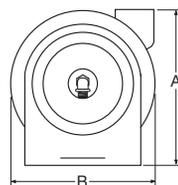
Note: Reels supplied with 2 ft. power supply cord and molded on straight blade 15A plug.

## Product Dimensions Inches (mm)

	Triple Tap	5-15R Connector
A	15.51" (394.6)	9.50" (241)
B	30.0" (762.0)	11.38" (289)
C	5.26" (133.84)	4.11" (104)
D	3.75" (95.4)	2.83" (72)
E	4.19" (106.6)	–

## Product Dimensions Inches (mm)

Industrial Reel	
A	13.00" (330)
B	12.38" (314)
C	8.00" (203)
D	2.50" (64)
E	9.75" (248)
F	1.25" (32)



# Electric Cord and Cable Reels

## Cord Reels with Hand Lamps



- For more light where you need it, consider our cord reels with attached hand lamps
- With choices such as incandescent, fluorescent and LED lamps, more light can be brought to more places, small or large
- These cord reels are constructed of durable, corrosion-resistant steel to last through the toughest jobs and the desired cord length is automatically maintained through a positive-latch mechanism

### Cord Reels with Hand Lamps, Feet (m)

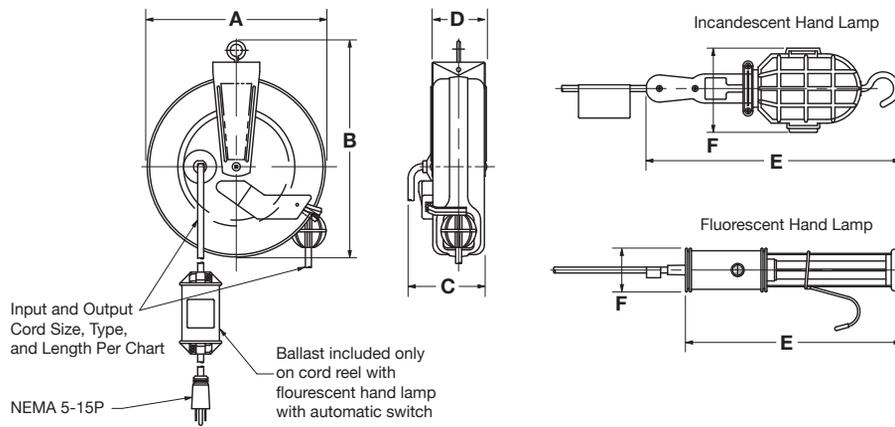
Description	Wattage	Lumen Output	Light Amps / Outlet Amps	Volts	Cord Type	Cord Length Feet (m)	Catalog Number
Reel with LED hand lamp, with flashlight end, white	9	920/120	0.065 / N/A	125	18/2 SJTOW	40 (12.2)	<b>BRYC40182LED</b>
Reel with non-metallic incandescent hand lamp and automatic shut off switch, yellow	75 Max.	1,150 Max.	N/A / N/A	125	16/3 SJT	25 (7.6)	<b>BRYC25163AIN</b>
Reel with metallic incandescent hand lamp with receptacle, yellow	75 Max.	1,150 Max.	N/A / 10	125	14/3 SJT	25 (7.6)	<b>BRYC25143IN</b>
Reel with fluorescent hand lamp and automatic shut off switch, white	13	825	0.3 / N/A	120	18/2 SJTOW	40 (12.2)	<b>BRYC40182AFL</b>
Reel with fluorescent hand lamp and in-line receptacle, white	13	825	0.3 / 12	120	16/3 SJT	40 (12.2)	<b>BRYC40163FL</b>



**BRYC40182AFL**

### Product Dimensions Inches (mm)

Reel with Hand Lamps		
A	9.50" (241.3)	
B	11.38" (288.9)	
C	4.11" (104.4)	
D	2.83" (72.0)	
E	Incandescent	Fluorescent
F	13.52" (343.3)	11.50" (292.0)
	4.43" (112.5)	2.31" (58.7)



## Specifications

### Weatherproof Cable Reels

Listings

UL 355 and CSA, C22.2 No. 21

Environment

Type 4X enclosure, CAN/CSA - C22.2 No. 94.2

Dry, indoor and wet and damp outdoor non-hazardous locations

### Industrial Cord Reels

UL 355 and CSA, C22.2 No. 21

Dry, indoor, non-hazardous locations

### Commercial Cord Reels

UL 355

Dry, indoor, non-hazardous locations

### Cord Reel with Hand Lamps

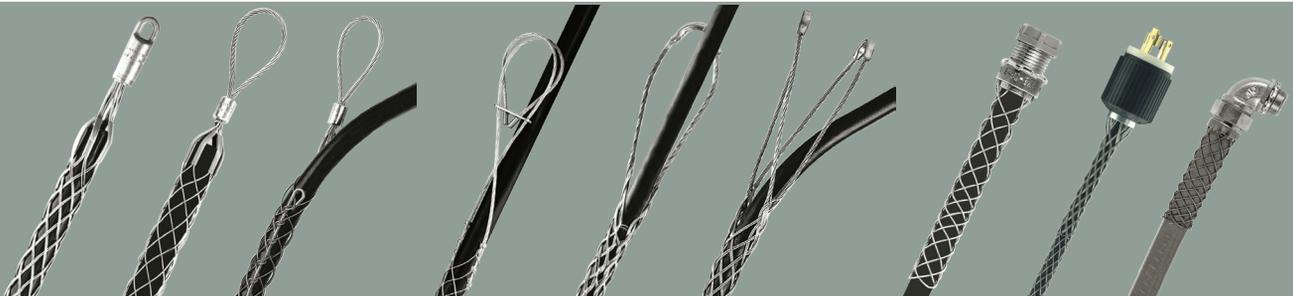
UL, CSA, ETL

Dry, indoor, non-hazardous locations

# Section N

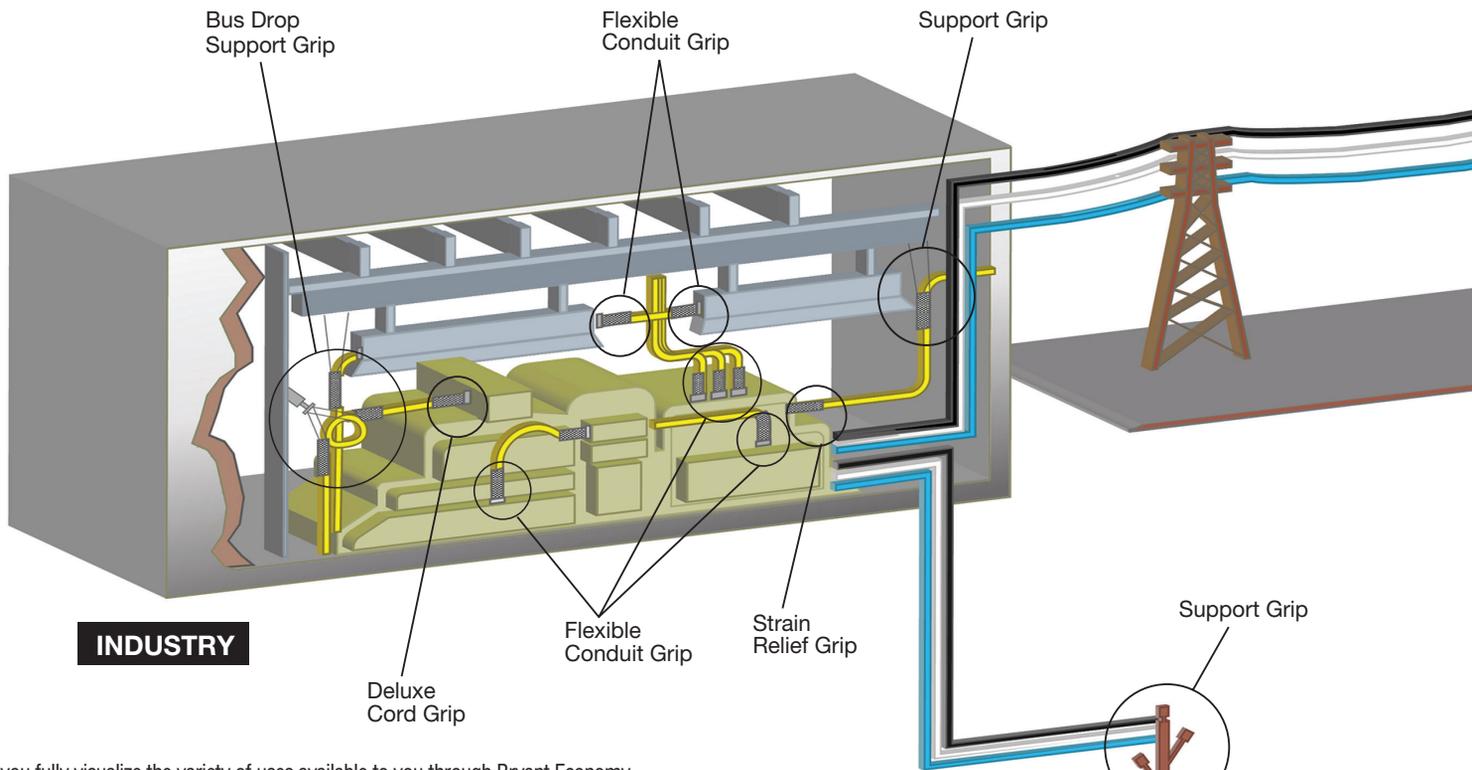
## Wire Management

Table of Contents	Page
<b>Illustrated Guide to Wire Management</b> .....	N-2
<b>Pulling Grips</b>	
Heavy Duty, Overhead, Flexible Eye, Closed Mesh .....	N-4
Heavy Duty, Underground, Rotating Eye, Closed Mesh .....	N-5
Heavy Duty, Underground, Flexible Eye, Closed Mesh .....	N-5
Light Duty, Low Tension, Flexible Eye, Closed Mesh .....	N-6
Junior, Low Tension, Flexible Eye, Closed Mesh .....	N-6
Special Purpose, Slack Pull, Offset Eye, Closed Mesh .....	N-7
Special Purpose, Slack Pull, Offset Eye, Split Mesh, Rod Closing .....	N-7
Tools, Bands and Swivels .....	N-8
<b>Support Grips</b>	
Heavy Duty, Single and Double Eye, Closed Mesh .....	N-9
Heavy Duty, Single and Double Eye, Split Mesh, Lace Closing .....	N-10
Standard Duty, Single and Double Eye, Closed Mesh .....	N-11
Standard Duty, Offset and Universal Eye, Closed Mesh .....	N-12
Standard Duty, Single and Double Eye, Split Mesh, Lace Closing .....	N-13
Standard Duty, Offset and Universal Eye, Split Mesh, Lace Closing .....	N-14
Standard Duty, Single and Double Eye, Split Mesh, Rod Closing .....	N-15
Standard Duty, Offset and Universal Eye, Split Mesh, Rod Closing .....	N-16
Service Drop, Heavy Duty, Single and Universal Eye, Closed Mesh .....	N-17
Service Drop, Light Duty, Single and Universal Eye, Closed Mesh .....	N-17
Bus Drop, Single and Universal Eye, Closed Mesh and Safety Springs .....	N-18
Conduit Riser, Ring Type, Closed Mesh .....	N-19
Conduit Riser, Ring Type, Split Mesh, Lace Closing .....	N-20
Conduit Riser, Ring Type, Split Mesh, Rod Closing .....	N-21
<b>Splicing Grips</b>	
Splicing, Wire Rope, Multiple Weave .....	N-22
<b>Strain Relief Grips</b>	
Deluxe Cord, Straight Male Fittings .....	N-23
Deluxe Cord, Straight Female, 45° and 90° Male Fittings .....	N-24
Plug and Connector Strain Relief .....	N-24
Dust-Tight, Wide Range .....	N-25
Liquidtight, Straight, 45° and 90° Male Fittings .....	N-25
<b>Technical Data</b>	
Application Selection, Materials and Sizes .....	N-26
Multiple Cable, Grip Selection Chart .....	N-27



# Wire Management Products

## Illustrated Guide to Wire Management



To help you fully visualize the variety of uses available to you through Bryant Economy Cable Grips, we have prepared this diagram of common applications. It follows the typical pattern of usage you would find traveling from utility to industrial, commercial and residential environments.

### Pulling Grips



Pulling Grips are instrumental in the installations of transmission lines, service lines and cabling for construction and maintenance.

### Support Grips



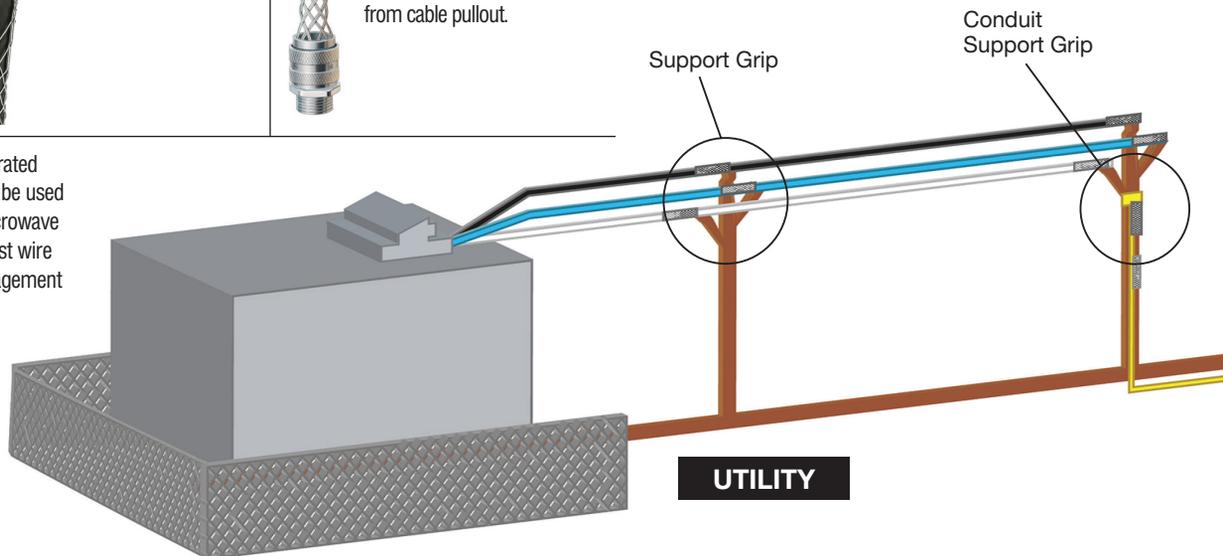
Support Grips provide holding support for indoor and outdoor permanent cable installations.

### Strain Relief Grips



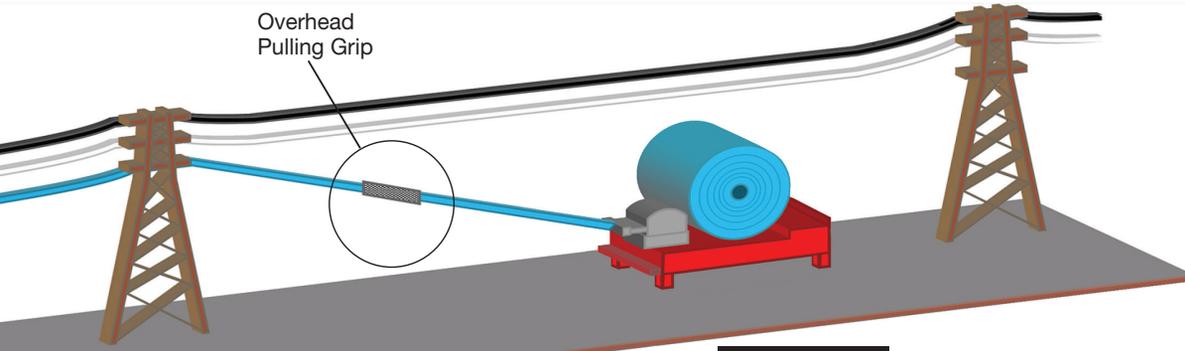
Strain Relief Grips are most often used to provide maximum reliability and minimum maintenance in areas where cords on machinery or equipment are impacted by motion or vibration or at risk of damage from cable pullout.

Beyond the electrical applications illustrated here, Bryant Economy Cable Grips can be used for wire management on radio and microwave communications towers, crane and hoist wire rope maintenance, elevator cable management and more.

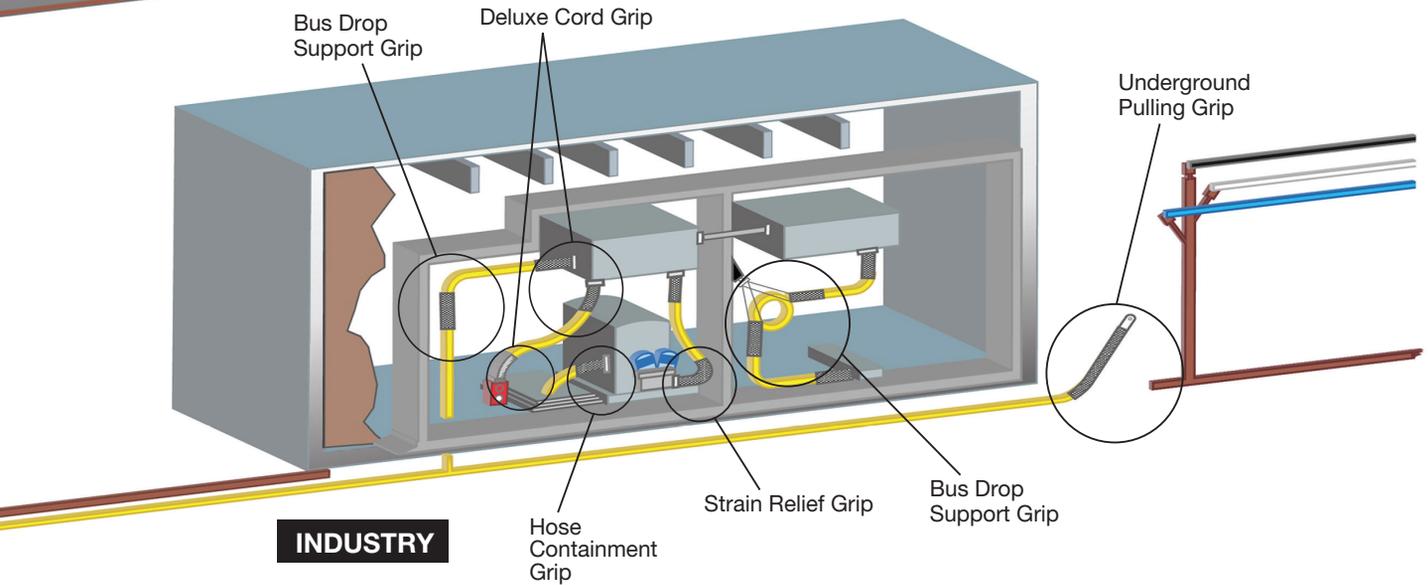


# Wire Management Products

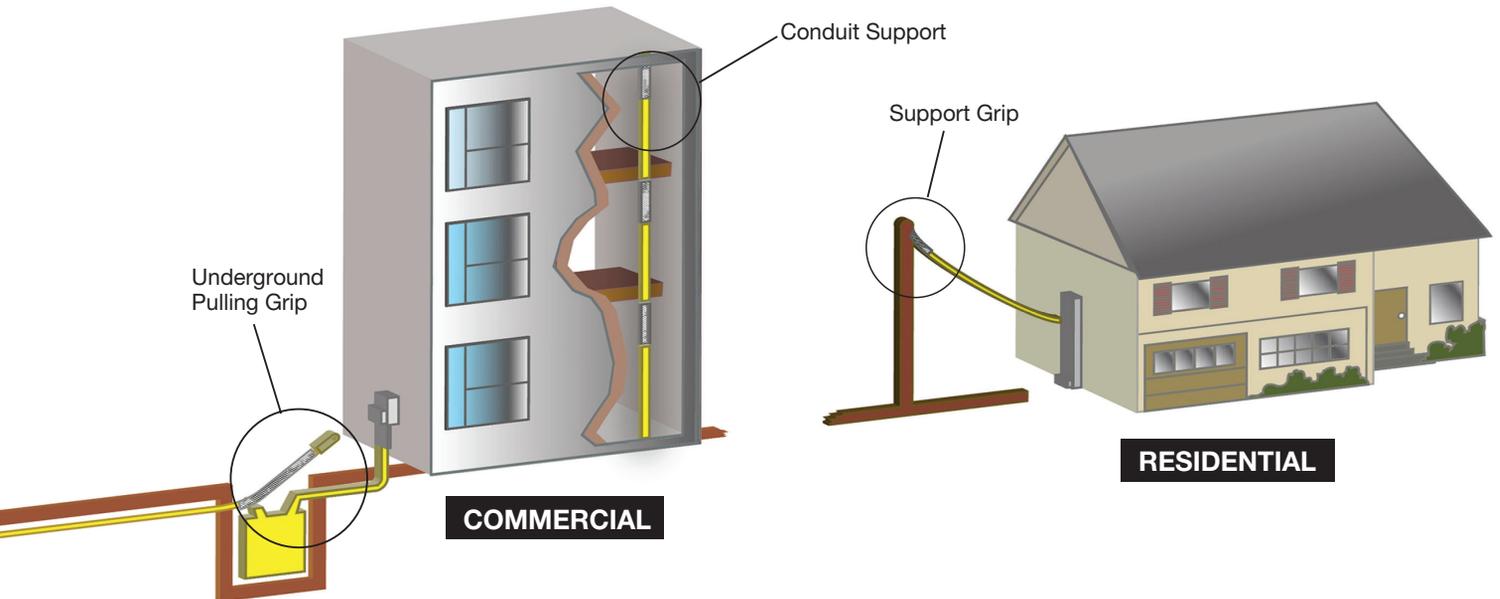
## Illustrated Guide to Wire Management



**UTILITY**



**INDUSTRY**



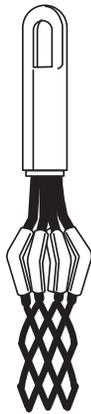
# Wire Management Products

## Pulling Grips Quick Reference Selection Guide



### Heavy Duty Flexible Eye

For overhead and underground transmission and distribution line stringing. See pages N-4 and N-5.



### Heavy Duty Rotating Eye

For underground heavy duty pulling of service lines and construction cable. See page N-5.



### Light Duty Flexible Eye

For light industrial pulling of electrical cable and for underground and industrial plant wiring and re-wiring. See page N-6.



### Slack Pull

For removing underground cable and pulling slack in existing cable and new installations and when end of cable is not available. See page N-7.

## Heavy Duty Overhead Pulling Grips

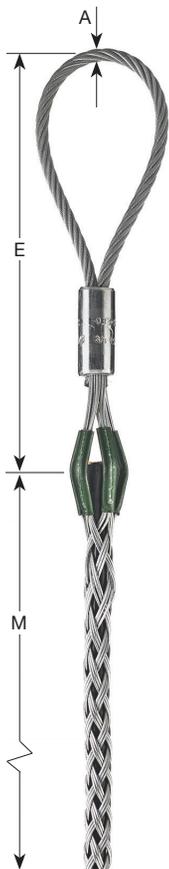
### Application:

Pulling aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables

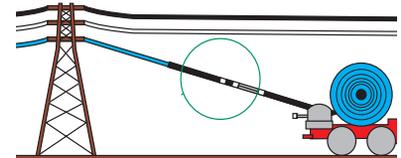
- Designed to be a reusable tool, pulling grips can be used in a variety of overhead and underground pulling applications
- Galvanized steel mesh is flexible for navigating through a variety of cable paths
- Multiple weave provides strength and positive gripping power

### Ideal For Use In:

- Overhead transmission and distribution line stringing
- Utility work
- Attaching conductors to pulling lines



MST050FE



### Flexible Eye, Closed Mesh Inches (cm)

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Inches (cm)		Eye (A) Dia. Inches (cm)	Catalog Number
		E	M		
.25"- .49" (.63-1.24)	6,800 (30,246)	9" (22.86)	26" (66.04)	1" (.63)	MST025FE
.50"- .74" (1.27-1.88)	10,000 (44,480)	9" (22.86)	32" (81.28)	5/16" (.79)	MST050FE
.75"- .99" (1.90-2.51)	14,400 (64,051)	11" (27.94)	41" (104.14)	3/8" (.95)	MST075FE
1.00"-1.24" (2.54-3.15)	24,600 (109,420)	12" (30.48)	52" (132.08)	1" (1.27)	MST100FE
1.25"-1.49" (3.17-3.78)	30,600 (136,109)	12" (30.48)	56" (142.24)	1" (1.27)	MST125FE
1.50"-1.74" (3.81-4.42)	30,600 (136,109)	12" (30.48)	60" (152.40)	1" (1.27)	MST150FE
1.75"-2.24" (4.44-5.69)	48,000 (213,504)	18" (45.72)	70" (177.80)	5/8" (1.59)	MST175FE
2.00"-2.49" (5.08-6.32)	48,000 (213,504)	18" (45.72)	50" (127.00)	5/8" (1.59)	MST200FE
2.50"-2.99" (6.35-7.59)	48,000 (213,504)	18" (45.72)	52" (132.08)	5/8" (1.59)	MST250FE
3.00"-3.49" (7.62-8.86)	48,000 (213,504)	18" (45.72)	50" (127.00)	5/8" (1.59)	MST300FE
3.50"-3.99" (8.89-10.13)	48,000 (213,504)	18" (45.72)	53" (134.62)	5/8" (1.59)	MST350FE

Note: Do not run grips or swivels over bullwheels while under tension.

### CAUTION

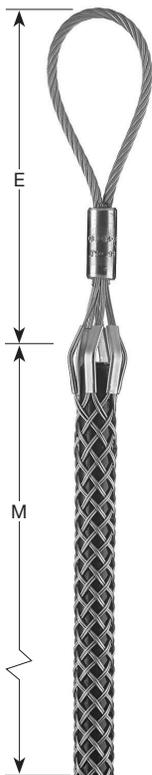
Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Heavy Duty Underground Pulling Grips



PHS150



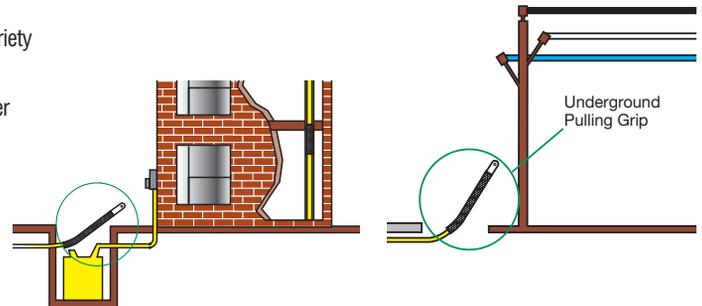
PH150

### Application:

- Pulling underground power cables, communication lines and service lines
- Designed to be a reusable tool, pulling grips can be used in a variety of overhead and underground pulling applications
- Galvanized steel mesh is flexible for navigating through a variety of cable paths
- Multiple weave provides strength and positive gripping power

### Ideal For Use In:

- Utility work
- Factory maintenance
- Construction



### Rotating Eye, Closed Mesh Inches (cm)

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Inches (cm)		Rotating Eye Dia. Inches (cm)	Catalog Number
		E	M		
.50"-.61" (1.27-1.55)	4,800 (21,350)	5" (12.70)	16" (40.64)	7/8" (2.22)	PHS050
.62"-.74" (1.57-1.88)	6,800 (30,246)	5" (12.70)	16" (40.64)	7/8" (2.22)	PHS062
.75"-.99" (1.90-2.51)	9,600 (42,700)	6" (15.24)	32" (81.28)	1" (2.54)	PHS075
1.00"-1.49" (2.54-3.78)	16,400 (72,947)	7" (17.78)	33" (83.82)	1 3/8" (3.49)	PHS100
1.50"-1.99" (3.81-5.05)	16,400 (72,947)	7" (17.78)	34" (86.36)	1 3/8" (3.49)	PHS150
2.00"-2.49" (5.08-6.32)	27,200 (120,986)	9" (22.86)	36" (91.44)	1 5/8" (4.13)	PHS200
2.50"-2.99" (6.35-7.59)	33,000 (146,784)	10" (25.40)	38" (96.52)	1 7/8" (4.76)	PHS250
3.00"-3.49" (7.62-8.86)	41,000 (182,368)	10" (25.40)	39" (99.06)	1 7/8" (4.76)	PHS300
3.50"-3.99" (8.89-10.13)	48,000 (213,504)	10" (25.40)	41" (104.14)	1 7/8" (4.76)	PHS350
4.00"-4.49" (10.16-11.40)	48,000 (213,504)	10" (25.40)	42" (106.68)	1 7/8" (4.76)	PHS400
4.50"-4.99" (11.43-12.67)	48,000 (213,504)	10" (25.40)	58" (147.32)	1 7/8" (4.76)	PHS450
5.00"-5.99" (12.70-15.21)	40,000 (177,920)	10" (25.40)	60" (152.40)	1 7/8" (4.76)	PHS500
6.00"-6.99" (15.24-17.75)	54,000 (240,192)	10" (25.40)	66" (167.64)	1 7/8" (4.76)	PHS600

Note: Eye revolves when pressure is released to reduce twisting and turning. If constant swivel action is required, a swivel should be used. Rotating eye is not a swivel and will not turn under tension, it can turn to relieve pulling torque when the tension is relaxed.

### Flexible Eye, Closed Mesh Inches (cm)

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Inches (cm)		Catalog Number
		E	M	
.50"-.61" (1.27-1.55)	4,500 (20,016)	8" (20.32)	21" (53.34)	PH050
.62"-.74" (1.57-1.88)	5,600 (24,909)	8" (20.32)	24" (60.96)	PH062
.75"-.99" (1.90-2.51)	6,800 (30,246)	9" (22.86)	24" (60.96)	PH075
1.00"-1.49" (2.54-3.78)	9,600 (42,701)	9" (22.86)	24" (60.96)	PH100
1.50"-1.99" (3.81-5.05)	16,400 (72,947)	11" (27.94)	24" (60.96)	PH150
2.00"-2.49" (5.08-6.32)	18,500 (82,288)	12" (30.48)	24" (60.96)	PH200
2.50"-2.99" (6.35-7.59)	24,500 (108,976)	12" (30.48)	24" (60.96)	PH250
3.00"-3.49" (7.62-8.86)	24,500 (108,976)	14" (35.56)	24" (60.96)	PH300
3.50"-3.99" (8.89-10.13)	31,000 (137,888)	14" (35.56)	26" (66.04)	PH350

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Light Duty, Low Tension Pulling Grips



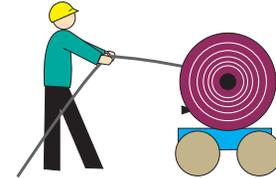
### Application:

Low tension, underground electrical construction

- Galvanized steel mesh is flexible for navigating through a variety of cable paths
- Multiple weave provides strength and positive gripping power

### Ideal For Use In:

- Utility work
- Industrial and commercial building service lines
- Underground transmission lines stringing

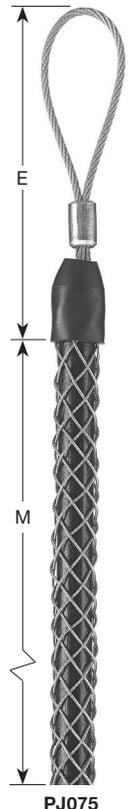


### Flexible Eye, Closed Mesh Inches (cm)

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Inches (cm)		Catalog Number
		E	M	
.50"- .61" (1.27-1.55)	2,800 (12,454)	5" (12.70)	11" (27.94)	PA050
.62"- .74" (1.57-1.88)	2,800 (12,454)	5" (12.70)	11" (27.94)	PA062
.75"- .99" (1.90-2.51)	4,000 (17,792)	6" (15.24)	12" (30.48)	PA075
1.00"-1.24" (2.54-3.15)	5,300 (23,574)	7" (17.78)	13" (33.02)	PA100
1.25"-1.49" (3.17-3.78)	5,300 (23,574)	7" (17.78)	14" (35.56)	PA125
1.50"-1.74" (3.81-4.42)	6,800 (30,246)	8" (20.32)	15" (38.10)	PA150
1.75"-1.99" (4.44-5.05)	8,500 (37,808)	8" (20.32)	17" (43.18)	PA175
2.00"-2.49" (5.08-6.32)	8,500 (37,808)	9" (22.86)	18" (45.72)	PA200
2.50"-2.99" (6.35-7.59)	10,600 (47,149)	9" (22.86)	27" (68.58)	PA250
3.00"-3.49" (7.62-8.86)	14,700 (65,386)	10" (25.40)	30" (76.20)	PA300

PA150

## Junior Low Tension Pulling Grips



### Application:

Low tension, underground electrical construction

- Galvanized steel mesh is flexible for navigating through a variety of cable paths
- Multiple weave provides strength and positive gripping power

### Ideal For Use In:

- Overhead transmission and distribution line stringing
- Utility work
- Attaching conductors to pulling lines

### Flexible Eye, Closed Mesh Inches (cm)

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Inches (cm)		Catalog Number
		E	M	
.19"- .24" (.48-.61)	400 (1,779)	3" (7.62)	4" (10.16)	PJ019
.25"- .36" (.63-.91)	450 (2,002)	3" (7.62)	4" (10.16)	PJ025
.37"- .49" (.94-1.24)	900 (4,003)	3" (7.62)	7" (17.78)	PJ037
.50"- .61" (1.27-1.55)	1,300 (5,782)	4" (10.16)	8" (20.32)	PJ050
.62"- .74" (1.57-1.88)	1,950 (8,674)	5" (12.70)	10" (25.40)	PJ062
.75"- .99" (1.90-2.51)	2,800 (12,454)	5" (12.70)	10" (25.40)	PJ075
1.00"-1.24" (2.54-3.15)	3,900 (17,347)	6" (15.24)	11" (27.94)	PJ100

PJ075

**CAUTION**

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Special Purpose, Slack Pull Grips



SCD100

### Application:

Removing underground cable and for pulling slack after new cable has been laid

- Used for pulling up slack where cable is in service and when ends of cable are not available
- Galvanized steel mesh is flexible for navigating through a variety of cable paths

### Ideal For Use In:

- Utility work
- Construction
- Replacement of underground cable
- Factory maintenance

### Offset Eye, Closed Mesh Inches (cm)

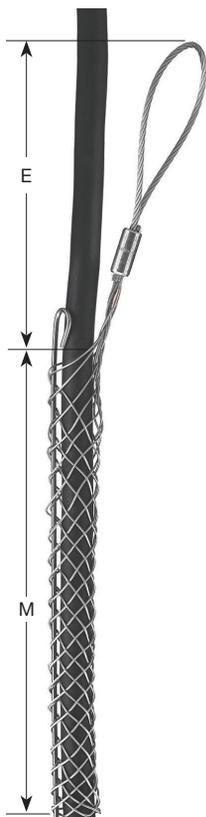
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Inches (cm)		Catalog Number
		E	M	
.75"-1.99" (1.90-2.51)	2,600 (11,565)	7" (17.78)	12" (30.48)	SCD075
1.00"-1.24" (2.54-3.15)	4,000 (17,792)	8" (20.32)	15" (38.10)	SCD100
1.25"-1.49" (3.17-3.78)	5,400 (24,019)	8" (20.32)	16" (40.64)	SCD125
1.50"-1.74" (3.81-4.42)	6,600 (29,357)	9" (22.86)	20" (50.80)	SCD150
1.75"-1.99" (4.44-5.05)	10,000 (44,480)	10" (25.40)	18" (45.72)	SCD175
2.00"-2.49" (5.08-6.32)	11,000 (48,928)	10" (25.40)	19" (48.26)	SCD200
2.50"-2.99" (6.35-7.59)	11,000 (48,928)	10" (25.40)	20" (50.80)	SCD250
3.00"-3.49" (7.62-8.86)	14,500 (64,496)	12" (30.48)	21" (53.34)	SCD300
3.50"-3.99" (8.89-10.13)	14,500 (64,496)	12" (30.48)	22" (55.88)	SCD350

### Application:

Pulling up slack where cable is in service and ends of cable are not available

### Offset Eye, Split Mesh, Rod Closing Inches (cm)

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Inches (cm)		Catalog Number
		E	M	
.50"-1.61" (1.27-1.55)	1,500 (6,672)	7" (17.78)	6" (15.24)	SSR050
.62"-1.74" (1.57-1.88)	1,800 (8,006)	7" (17.78)	8" (20.32)	SSR062
.75"-1.99" (1.90-2.51)	2,200 (9,786)	7" (17.78)	10" (25.40)	SSR075
1.00"-1.24" (2.54-3.15)	3,400 (15,123)	8" (20.32)	12" (30.48)	SSR100
1.25"-1.49" (3.17-3.78)	4,500 (20,016)	8" (20.32)	14" (35.56)	SSR125
1.50"-1.74" (3.81-4.42)	5,800 (25,798)	9" (22.86)	15" (38.10)	SSR150
1.75"-1.99" (4.44-5.05)	7,600 (33,805)	10" (25.40)	16" (40.64)	SSR175
2.00"-2.49" (5.08-6.32)	9,000 (40,032)	10" (25.40)	19" (48.26)	SSR200
2.50"-2.99" (6.35-7.59)	11,000 (48,928)	10" (25.40)	20" (50.80)	SSR250
3.00"-3.49" (7.62-8.86)	12,000 (53,376)	12" (30.48)	21" (53.34)	SSR300
3.50"-3.99" (8.89-10.13)	12,000 (53,376)	12" (30.48)	24" (60.96)	SSR350



SSR125

Split rod closing grips are used for pulling slack or providing support when ends of cable are not available. The provided stainless steel rod makes threading fast and easy. The strands of mesh pass around the rod and match up with strands from the opposite direction. Since the rod does not touch the cable at any point it cannot cut the cable. Rod closing grips can be removed and reused as many times as desired.



### The following procedures should be used when installing the grip:

Wrap the grip around the cable and thread the rod through the pre-formed loops with a corkscrew motion, using the curved end of the rod to engage the loops. This requires a simultaneous steady twist and push motion. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod. To remove, simply pull out rod.

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Tools, Bands and Swivels

### Punch-Lok® Bands

Punch-Lok Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose. Also, they assure full gripping action by locking the mesh of the tail in tight contact with the cable or rope.



When the tail of a grip is the leading end, the bands are particularly important to prevent accidental release caused by tripping on obstructions. A conductor-to-conductor (double-socking) pulling operation is a good example: where two grips connect two conductors to form a temporary splice. Bands should be applied to the ends of the grips as illustrated herein. It is also common practice to tape over the banded tail area to assure smooth passage through the sheaves.

The conductor should be installed in the grip up to the elbows of the aluminum shoulders in order to assure full and complete gripping action as illustrated above.

### IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Page N-26.

### Punch-Lok® Bands and Accessories Inches (cm)

Grip Banding Range Inches (cm)	Band Width Inches (cm)	Band Inside Diameter Inches (cm)	Model	Punch-Lok Bands
1/4"-1 1/8" (6.3-2.86)	3/8" (.95)	1 3/8" (3.49)	0-311	<b>PLB025</b>
1 1/8"-1 5/8" (2.86-4.13)	3/8" (.95)	2" (5.08)	0-316	<b>PLB112</b>
1 5/8"-2 1/4" (4.13-5.71)	5/8" (1.59)	2 1/2" (6.35)	0-10	<b>PLB162</b>
2 1/4"-3 1/2" (5.71-8.89)	5/8" (1.59)	4" (10.16)	0-16	<b>PLB225</b>
3 1/2"-5" (8.89-12.70)	5/8" (1.59)	6" (15.24)	0-24	<b>PLB350</b>
Description				Punch-Lok Tools
P-1000 for use with 5/8" width Banding tool.				<b>PLT48</b>
P-38 for use with 3/8" and 5/8" width Banding tool for tight spaces.				<b>PLT47</b>

Note: In all cases two Punch-Lok Bands should be double wrapped approximately one inch to two inches (2.54cm to 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release.



20320054



20320048

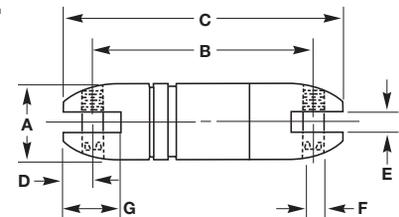


20320047

### Stainless Steel Swivels

Swivels are essential to the efficiency and safety of any high tension application. They are particularly important where continuous pulls develop higher and higher torque levels. Torque is intensified by the pull-resistance of the cable itself and the resistance of the high tension controlling equipment regulating line sag.

Ball bearing swivels release torque and prevent it from reaching dangerous levels that can damage the cable and obstruct the lines.



### Stainless Steel Swivels Inches (cm)

Maximum Safe Working Load Lbs. (N)	Dimensions in Inches (cm)							Model	Catalog Number
	A	B	C	D	E	F	G		
2,250 (10,000)	7/8" (2.22)	2" (6.35)	3 3/8" (8.57)	7/16" (1.11)	3/8" (0.95)	5/16" (0.79)	3 1/32" (2.46)	A-13L	<b>SVL1</b>
5,000 (22,240)	1" (3.17)	3 1/16" (9.37)	4" (12.06)	1 7/32" (1.35)	1 7/32" (1.35)	1 3/32" (1.03)	1 9/32" (3.25)	BB-13L	<b>SVL2</b>
9,000 (40,030)	1" (3.81)	4" (10.79)	5 5/8" (14.29)	1 1/16" (1.75)	1 9/32" (1.51)	" (1.27)	1 1/16" (3.97)	B-13L	<b>SVL3</b>
10,000 (44,480)	1 5/8" (4.13)	4" (11.43)	6" (15.24)	" (1.90)	1 1/16" (1.75)	5/8" (1.59)	1 2 3/32" (4.36)	C-13L	<b>SVL4</b>
30,000 (133,440)	2 3/8" (6.03)	7 5/8" (19.37)	10" (25.40)	1 3/16" (3.02)	1 1/32" (2.62)	7/8" (2.22)	2 2 5/32" (7.06)	D-13L	<b>SVL5</b>

Punch-Lok® is a registered trademark of Punch-Lok Inc.



20308001A

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Support Grips Quick Reference Selection Guide



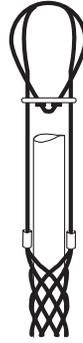
### Single U Eye

For single hook attachment of permanent indoor/outdoor cable. Available on heavy duty, standard duty, and service drop grips. See pages N-9, N-10, N-11, N-13, N-15, N-17 and N-18.



### Double U Eye

For double hook attachment of permanent indoor/outdoor cable. Available on heavy duty and standard duty grips. See pages N-9, N-10, N-11, N-13 and N-15.



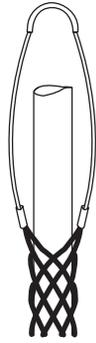
### Universal

For wraparound attachment to an existing fastener in permanent indoor/outdoor applications. Available on standard duty and light duty service drop grips. See pages N-12, N-14, N-16, N-17 and N-18.



### Single Offset Eye

For offset hook attachment of permanent indoor/outdoor cable. Available on heavy duty, standard duty and light duty support grips. See pages N-12, N-14 and N-16.



### Wide Range Bus Drop

Used indoors for cable support where flexible cable connects electrical equipment to bus duct. Support or restrain air hose and water hose. See page N-18.

## Heavy Duty Support Grips



SHC125U

### Application:

Permanent support of heavy loads and long runs of vertical and horizontal cables indoors and outdoors where ends of cable are available

- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Strand equalizers reinforce gripping strength and position, distributes load equally

### Ideal For Use In:

- Industrial applications
- Communication towers
- Utility work
- Heavy equipment
- Construction



SHC125

### Single Eye and Double Eye, Closed Mesh Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze		Stainless Steel			
	E	M	Approx. Breaking Strength Lbs. (N)	Single Eye	Double Eye	Approx. Breaking Strength Lbs. (N)	Single Eye	Double Eye
.75"-1.99" (1.90-2.51)	10" (25.40)	25" (63.50)	2,820 (12,543)	SHC075U	SHC075	4,200 (18,682)	SHC075US	—
	12" (30.48)	28" (71.12)	4,280 (19,037)	SHC100U	—		7,300 (32,470)	SHC100US
1.00"-1.24" (2.54-3.15)	10" (25.40)	28" (71.12)	4,280 (19,037)	—	SHC100	—	—	—
	12" (30.48)	30" (76.20)	4,280 (19,037)	SHC125U	—	7,300 (32,470)	SHC125US	—
1.25"-1.49" (3.17-3.78)	10" (25.40)	30" (76.20)	4,280 (19,037)	—	SHC125	—	—	—
	12" (30.48)	34" (86.36)	4,280 (19,037)	SHC150U	—	11,150 (49,595)	SHC150US	—
1.50"-1.99" (3.81-5.05)	10" (25.40)	34" (86.36)	4,280 (19,037)	—	SHC150	—	—	—
	12" (30.48)	36" (91.44)	8,050 (35,806)	—	SHC200	20,100 (89,405)	—	SHC200DES
2.00"-2.49" (5.08-6.32)	12" (30.48)	38" (96.52)	8,050 (35,806)	—	SHC250	20,100 (89,405)	—	SHC250DES
2.50"-2.99" (6.35-7.59)	12" (30.48)	40" (101.60)	10,060 (44,747)	—	SHC300	25,200 (112,090)	—	SHC300DES
3.00"-3.49" (7.62-8.86)	12" (30.48)	44" (111.76)	12,070 (53,687)	—	SHC350	—	—	—
3.50"-3.99" (8.89-10.13)	12" (30.48)	46" (116.84)	12,070 (53,687)	—	SHC400	—	—	—
4.00"-4.49" (10.16-11.40)	12" (30.48)	68" (172.72)	13,790 (61,338)	—	SHC450	—	—	—
4.50"-5.00" (11.43-12.70)	12" (30.48)							

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Heavy Duty Support Grips

### Application:

Supporting heavy loads and long runs of vertical and horizontal cables indoors and outdoors where ends of cable are not available

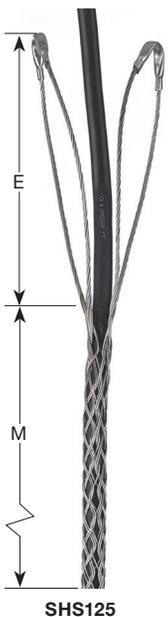
- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Strand equalizers reinforce gripping strength and position, distributes load equally

### Ideal For Use In:

- Industrial applications
- Communication towers
- Heavy equipment
- Utility work

### Single Eye and Double Eye, Split Mesh, Lace Closing Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze		Stainless Steel			
	E	M	Approx. Breaking Strength Lbs. (N)	Single Eye	Double Eye	Approx. Breaking Strength Lbs. (N)	Single Eye	Double Eye
.75"- .99" (1.90-2.51)	10" (25.40)	25" (63.50)	2,820 (12,543)	SHS075U	SHS075	4,250 (18,904)	SHS075US	—
1.00"-1.24" (2.54-3.15)	12" (30.48)	28" (71.12)	4,280 (19,037)	SHS100U	—	7,300 (32,470)	SHS100US	—
	10" (25.40)	28" (71.12)	4,280 (19,037)	—	SHS100	—	—	—
1.25"-1.49" (3.17-3.78)	12" (30.48)	30" (76.20)	4,280 (19,037)	SHS125U	—	7,300 (32,470)	SHS125US	—
	10" (25.40)	28" (71.12)	4,280 (19,037)	—	SHS125	—	—	—
1.50"-1.99" (3.81-5.05)	12" (30.48)	34" (86.36)	4,280 (19,037)	SHS150U	—	11,150 (49,595)	SHS150US	—
	10" (25.40)	28" (71.12)	4,280 (19,037)	—	SHS150	—	—	—
2.00"-2.49" (5.08-6.32)	12" (30.48)	36" (91.44)	8,050 (35,806)	—	SHS200	20,150 (89,627)	—	SHS200DES
2.50"-2.99" (6.35-7.59)	12" (30.48)	38" (96.52)	8,050 (35,806)	—	SHS250	20,150 (89,627)	—	SHS250DES
3.00"-3.49" (7.62-8.86)	12" (30.48)	40" (101.60)	10,060 (44,747)	—	SHS300	25,200 (112,090)	—	SHS300DES
3.50"-3.99" (8.89-10.13)	12" (30.48)	44" (111.76)	12,070 (53,687)	—	SHS350	30,200 (134,330)	—	SHS350DES
4.00"-4.49" (10.16-11.40)	12" (30.48)	46" (116.84)	12,070 (53,687)	—	SHS400	30,200 (134,330)	—	SHS400DES
4.50"-5.00" (11.43-12.70)	12" (30.48)	68" (172.72)	12,070 (53,687)	—	SHS450	—	—	—



Designed for use when cable ends are unavailable. The grip is wrapped around the cable and then drawn closed with a wire lace. It is important that the wire lacing be the same type and gauge as supplied with the grip from the factory.



### The following procedures should be used when installing the grip:

Bend the wire lace in the middle so both ends are even. Wrap grip around the cable. Starting at the first loop closest to the eye, thread each end of the wire lace through the first loop on each side of the split, pull both ends of the lace until they are even. Criss-cross laces and thread each end of the lace through the next loop, on opposite sides of the split. Continue doing the same for the full length of the split, pulling the lace after each loop so the space between both sides of the split is no greater than the spaces of the mesh. When end of split is reached, twist lacing tightly together. Wrap ends of lace around grip. Twist ends to secure. Only new laces should be used. A split grip is only as good as its lacing or closing of the split.

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Standard Duty Support Grips

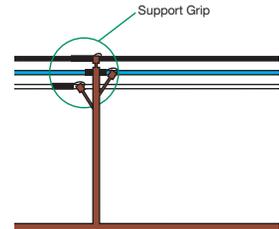
### Application:

Permanent support of vertical and horizontal cable indoors and outdoors where ends of cable are available

- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Strand equalizers reinforce gripping strength and position, distributes load equally

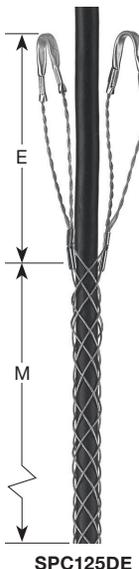
### Ideal For Use In:

- Industrial applications
- Communication towers
- Utility work
- Heavy equipment
- Construction



### Single Eye, Closed Mesh Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze		Stainless Steel	
	E	M	Approx. Breaking Strength Lbs. (N)	Single Eye	Approx. Breaking Strength Lbs. (N)	Single Eye
.50"--.62" (1.27-1.57)	7" (17.78)	10" (25.40)	530 (2,357)	<b>SPC050U</b>	1,370 (6,094)	<b>SPC050US</b>
.63"--.74" (1.60-1.88)	8" (20.32)	10" (25.40)	790 (3,514)	<b>SPC062U</b>	2,060 (9,163)	<b>SPC062US</b>
.75"--.99" (1.90-2.51)	8" (20.32)	13" (33.02)	1,020 (4,537)	<b>SPC075U</b>	2,060 (9,163)	<b>SPC075US</b>
1.00"-1.24" (2.54-3.15)	9" (22.86)	14" (35.56)	1,610 (7,161)	<b>SPC100U</b>	2,678 (11,912)	<b>SPC100US</b>
1.25"-1.49" (3.17-3.78)	10" (25.40)	15" (38.10)	1,610 (7,161)	<b>SPC125U</b>	4,490 (19,972)	<b>SPC125US</b>
1.50"-1.74" (3.81-4.42)	12" (30.48)	17" (43.18)	1,610 (7,161)	<b>SPC150U</b>	4,490 (19,972)	<b>SPC150US</b>
1.75"-1.99" (4.44-5.05)	14" (35.56)	19" (48.26)	2,150 (9,563)	<b>SPC175U</b>	5,000 (22,240)	<b>SPC175US</b>
2.00"-2.49" (5.08-6.32)	16" (40.64)	21" (53.34)	3,260 (14,500)	<b>SPC200U</b>	8,940 (39,765)	<b>SPC200US</b>
2.50"-2.99" (6.35-7.59)	18" (45.72)	23" (58.42)	3,260 (14,500)	<b>SPC250U</b>	8,940 (39,765)	<b>SPC250US</b>
3.00"-3.49" (7.62-8.86)	21" (53.34)	25" (63.50)	4,900 (21,795)	<b>SPC300U</b>	13,420 (59,692)	<b>SPC300US</b>
3.50"-3.99" (8.89-10.13)	24" (60.96)	27" (68.58)	4,900 (21,795)	<b>SPC350U</b>	-	-



### Double Eye, Closed Mesh Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze		Stainless Steel	
	E	M	Approx. Breaking Strength Lbs. (N)	Double Eye	Approx. Breaking Strength Lbs. (N)	Single Eye
.50"--.62" (1.27-1.57)	4" (10.16)	10" (25.40)	530 (2,357)	<b>SPC050DE</b>	1,370 (6,094)	<b>SPC050DES</b>
.63"--.74" (1.60-1.88)	4" (10.16)	10" (25.40)	790 (3,514)	<b>SPC062DE</b>	2,060 (9,163)	<b>SPC062DES</b>
.75"--.99" (1.90-2.51)	5" (13.97)	12" (30.48)	1,020 (4,537)	<b>SPC075DE</b>	2,060 (9,163)	<b>SPC075DES</b>
1.00"-1.24" (2.54-3.15)	5" (12.70)	14" (35.56)	1,610 (7,161)	<b>SPC100DE</b>	2,670 (11,876)	<b>SPC100DES</b>
1.25"-1.49" (3.17-3.78)	5" (12.70)	15" (38.10)	1,610 (7,161)	<b>SPC125DE</b>	4,490 (19,972)	<b>SPC125DES</b>
1.50"-1.74" (3.81-4.42)	5" (12.70)	17" (43.18)	1,610 (7,161)	<b>SPC150DE</b>	4,490 (19,972)	<b>SPC150DES</b>
1.75"-1.99" (4.44-5.05)	6" (15.24)	19" (48.26)	2,150 (9,563)	<b>SPC175DE</b>	5,000 (22,240)	<b>SPC175DES</b>
2.00"-2.49" (5.08-6.32)	6" (15.24)	21" (53.34)	3,260 (14,500)	<b>SPC200DE</b>	8,940 (39,765)	<b>SPC200DES</b>
2.50"-2.99" (6.35-7.59)	6" (15.24)	23" (58.42)	3,260 (14,500)	<b>SPC250DE</b>	8,940 (39,765)	<b>SPC250DES</b>
3.00"-3.49" (7.62-8.86)	8" (20.32)	25" (63.50)	4,900 (21,795)	<b>SPC300DE</b>	12,000 (53,376)	<b>SPC300DES</b>
3.50"-3.99" (8.89-10.13)	8" (20.32)	27" (68.58)	4,900 (21,795)	<b>SPC350DE</b>	12,000 (53,376)	<b>SPC350DES</b>

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Standard Duty Support Grips

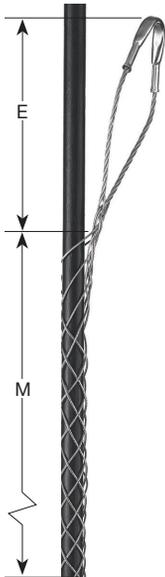
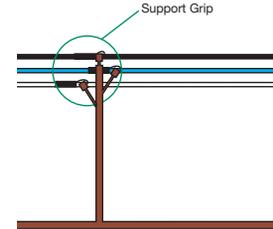
### Application:

Permanent support of vertical and horizontal cable indoors and outdoors where ends of cable are available

- Available for light duty, standard duty and heavy duty applications
- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Strand equalizers reinforce gripping strength and position, distributes load equally

### Ideal For Use In:

- Industrial applications
- Communication towers
- Heavy equipment
- Utility work
- Construction



SPC125SO

### Offset Eye, Closed Mesh Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze		Stainless Steel	
	E	M	Approx. Breaking Strength Lbs. (N)	Offset Eye	Approx. Breaking Strength Lbs. (N)	Offset Eye
.50"-.62" (1.27-1.57)	4" (10.16)	10" (25.40)	500 (2,724)	SPC050SO	1,370 (6,094)	SPC050SOS
.63"-.74" (1.60-1.88)	4" (10.16)	10" (25.40)	750 (3,336)	SPC062SO	1,950 (8,674)	SPC062SOS
.75"-.99" (1.90-2.51)	4" (10.16)	13" (33.02)	950 (4,226)	SPC075SO	2,060 (9,163)	SPC075SOS
1.00"-1.24" (2.54-3.15)	5" (12.70)	14" (35.56)	1,500 (6,672)	SPC100SO	2,670 (11,876)	SPC100SOS
1.25"-1.49" (3.17-3.78)	5" (12.70)	15" (38.10)	1,500 (6,672)	SPC125SO	4,490 (19,972)	SPC125SOS
1.50"-1.74" (3.81-4.42)	5" (12.70)	17" (43.10)	1,500 (6,672)	SPC150SO	3,700 (16,458)	SPC150SOS
1.75"-1.99" (4.44-5.05)	6" (15.24)	19" (48.26)	2,000 (8,896)	SPC175SO	4,370 (19,438)	SPC175SOS
2.00"-2.49" (5.08-6.32)	9" (22.86)	21" (53.34)	3,100 (13,789)	SPC200SO	5,500 (24,464)	SPC200SOS
2.50"-2.99" (6.35-7.59)	9" (22.86)	23" (58.42)	—	—	5,500 (24,464)	SPC250SOS
3.00"-3.49" (7.62-8.86)	9" (22.86)	25" (63.50)	3,800 (16,902)	SPC300SO	—	—
3.50"-3.99" (8.89-10.13)	11" (27.94)	27" (68.58)	3,250 (14,456)	SPC350SO	—	—



SPC125L

### Universal Eye, Closed Mesh Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze		Stainless Steel	
	E	M	Approx. Breaking Strength Lbs. (N)	Double Eye	Approx. Breaking Strength Lbs. (N)	Offset Eye
.50"-.62" (1.27-1.57)	18" (45.72)	10" (25.40)	530 (2,357)	SPC050L	—	—
.63"-.74" (1.60-1.88)	18" (45.72)	10" (25.40)	790 (3,514)	SPC062L	—	—
.75"-.99" (1.90-2.51)	18" (45.72)	13" (33.02)	1,020 (4,537)	SPC075L	—	—
1.00"-1.24" (2.54-3.15)	18" (45.72)	14" (35.56)	1,610 (7,161)	SPC100L	—	—
1.25"-1.49" (3.17-3.78)	18" (45.72)	15" (38.10)	1,610 (7,161)	SPC125L	—	—
1.50"-1.74" (3.81-4.42)	18" (45.72)	17" (43.10)	1,610 (7,161)	SPC150L	—	—
1.75"-1.99" (4.44-5.05)	18" (45.72)	19" (48.26)	2,150 (9,563)	SPC175L	—	—
2.00"-2.49" (5.08-6.32)	18" (45.72)	21" (53.34)	3,260 (14,500)	SPC200L	—	—
2.50"-2.99" (6.35-7.59)	18" (45.72)	23" (58.42)	3,260 (14,500)	SPC250L	—	—
3.00"-3.49" (7.62-8.86)	18" (45.72)	25" (63.50)	4,900 (21,795)	SPC300L	—	—

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Standard Duty Support Grips

### Application:

Permanent support of vertical and horizontal cable indoors and outdoors where ends of cable are available

- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Strand equalizers reinforce gripping strength and position, distributes load equally

### Ideal For Use In:

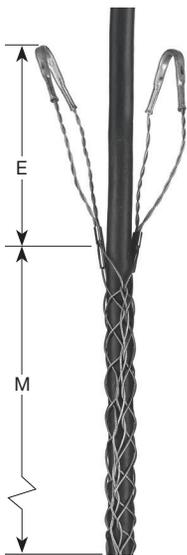
- Industrial applications
- Communication towers
- Utility work and construction
- Heavy equipment



SPS125U

### Single Eye, Split Mesh, Lace Closing Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze		Stainless Steel	
	E	M	Approx. Breaking Strength Lbs. (N)	Single Eye	Approx. Breaking Strength Lbs. (N)	Single Eye
.50"-.62" (1.27-1.57)	7" (17.78)	10" (25.40)	530 (2,357)	SPS050U	1,370 (6,094)	SPS050US
.63"-.74" (1.60-1.88)	8" (20.32)	10" (25.40)	790 (3,514)	SPS062U	2,060 (9,163)	SPS062US
.75"-.99" (1.90-2.51)	8" (20.32)	13" (33.02)	1,020 (4,537)	SPS075U	2,060 (9,163)	SPS075US
1.00"-1.24" (2.54-3.15)	9" (22.86)	14" (35.56)	1,610 (7,161)	SPS100U	2,670 (11,876)	SPS100US
1.25"-1.49" (3.17-3.78)	10" (25.40)	15" (38.10)	1,610 (7,161)	SPS125U	4,490 (19,972)	SPS125US
1.50"-1.74" (3.81-4.42)	12" (30.48)	17" (43.18)	1,610 (7,161)	SPS150U	4,490 (19,972)	SPS150US
1.75"-1.99" (4.44-5.05)	14" (35.56)	19" (48.26)	2,150 (9,563)	SPS175U	4,375 (19,460)	SPS175US
2.00"-2.49" (5.08-6.32)	16" (40.64)	21" (53.34)	3,260 (14,500)	SPS200U	8,940 (39,765)	SPS200US
2.50"-2.99" (6.35-7.59)	18" (45.72)	23" (58.42)	3,260 (14,500)	SPS250U	8,940 (39,765)	SPS250US
3.00"-3.49" (7.62-8.86)	21" (53.34)	25" (63.50)	4,900 (21,795)	SPS300U	13,420 (59,692)	SPS300US
3.50"-3.99" (8.89-10.13)	24" (60.96)	27" (68.58)	4,900 (21,795)	SPS350U	13,420 (59,692)	SPS350US



SPS125DE

### Double Eye, Split Mesh, Lace Closing Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze		Stainless Steel	
	E	M	Approx. Breaking Strength Lbs. (N)	Double Eye	Approx. Breaking Strength Lbs. (N)	Single Eye
.50"-.62" (1.27-1.57)	4" (10.16)	10" (25.40)	530 (2,357)	SPS050DE	1,140 (5,071)	SPS050DES
.63"-.74" (1.60-1.88)	4" (10.16)	10" (25.40)	850 (3,781)	SPS062DE	2,060 (9,163)	SPS062DES
.75"-.99" (1.90-2.51)	5" (12.70)	13" (33.02)	1,020 (4,537)	SPS075DE	2,060 (9,163)	SPS075DES
1.00"-1.24" (2.54-3.15)	5" (12.70)	14" (35.56)	1,610 (7,161)	SPS100DE	2,670 (11,876)	SPS100DES
1.25"-1.49" (3.17-3.78)	5" (12.70)	15" (38.10)	1,610 (7,161)	SPS125DE	4,490 (19,972)	SPS125DES
1.50"-1.74" (3.81-4.42)	5" (12.70)	17" (43.18)	1,610 (7,161)	SPS150DE	3,750 (16,680)	SPS150DES
1.75"-1.99" (4.44-5.05)	6" (15.24)	19" (48.26)	2,150 (9,563)	SPS175DE	5,000 (22,240)	SPS175DES
2.00"-2.49" (5.08-6.32)	6" (15.24)	21" (53.34)	3,260 (14,500)	SPS200DE	8,940 (39,765)	SPS200DES
2.50"-2.99" (6.35-7.59)	6" (15.24)	23" (58.42)	3,260 (14,500)	SPS250DE	-	-
3.00"-3.49" (7.62-8.86)	8" (20.32)	25" (63.50)	4,900 (21,795)	SPS300DE	-	-
3.50"-3.99" (8.89-10.13)	8" (20.32)	27" (68.58)	4,900 (21,795)	SPS350DE	-	-

Designed for use when cable ends are unavailable. The grip is wrapped around the cable and then drawn closed with a wire lace. It is important that the wire lacing be the same type and gauge as supplied with the grip from the factory.



### The following procedures should be used when installing the grip:

Bend the wire lace in the middle so both ends are even. Wrap grip around the cable. Starting at the first loop closest to the eye, thread each end of the wire lace through the first loop on each side of the split, pull both ends of the lace until they are even. Criss-cross laces and thread each end of the lace through the next loop, on opposite sides of the split. Continue doing the same for the full length of the split, pulling the lace after each loop so the space between both sides of the split is no greater than the spaces of the mesh. When end of split is reached, twist lacing tightly together. Wrap ends of lace around grip. Twist ends to secure. Only new laces should be used. A split grip is only as good as its lacing or closing of the split.

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Standard Duty Support Grips

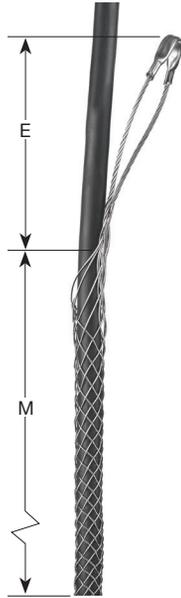
### Application:

Permanent support of vertical and horizontal cable indoors and outdoors where ends of cable are available

- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Strand equalizers reinforce gripping strength and position, distributes load equally

### Ideal For Use In:

- Industrial applications
- Communication towers
- Utility work and construction
- Heavy equipment



SPS150SO

### Offset Eye, Split Mesh, Lace Closing Inches (cm)

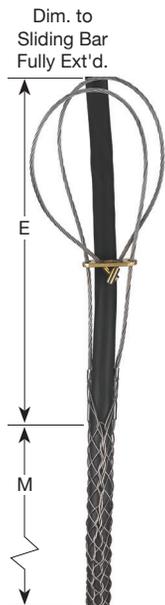
Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze	
	E	M	Approx. Breaking Strength Lbs. (N)	Offset Eye
.50"-.62" (1.27-1.57)	4" (10.16)	10" (25.40)	500 (2,724)	SPS050SO
.63"-.74" (1.60-1.88)	4" (10.16)	10" (25.40)	750 (3,336)	SPS062SO
.75"-.99" (1.90-2.51)	4" (10.16)	13" (33.02)	950 (4,226)	SPS075SO
1.00"-1.24" (2.54-3.15)	5" (12.70)	14" (35.56)	1,500 (6,672)	SPS100SO
1.25"-1.49" (3.17-3.78)	5" (12.70)	15" (38.10)	1,500 (6,672)	SPS125SO
1.50"-1.74" (3.81-4.42)	5" (12.70)	17" (43.18)	1,500 (6,672)	SPS150SO
1.75"-1.99" (4.44-5.05)	6" (15.24)	19" (48.26)	1,800 (8,006)	SPS175SO
2.00"-2.49" (5.08-6.32)	9" (22.86)	21" (53.34)	2,150 (9,563)	SPS200SO
2.50"-2.99" (6.35-7.59)	9" (22.86)	23" (58.42)	2,150 (9,563)	SPS250SO
3.00"-3.49" (7.62-8.86)	11" (27.94)	25" (63.50)	3,250 (14,456)	SPS300SO
3.50"-3.99" (8.89-10.13)	11" (27.94)	27" (68.58)	3,250 (14,456)	SPS350SO

### Universal Eye, Split Mesh, Lace Closing Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze	
	E	M	Approx. Breaking Strength Lbs. (N)	Offset Eye
.50"-.62" (1.27-1.57)	18" (45.72)	10" (25.40)	530 (2,357)	SPS050L
.63"-.74" (1.60-1.88)	18" (45.72)	10" (25.40)	790 (3,514)	SPS062L
.75"-.99" (1.90-2.51)	18" (45.72)	13" (33.02)	1,020 (4,537)	SPS075L
1.00"-1.24" (2.54-3.15)	18" (45.72)	14" (35.56)	1,610 (7,161)	SPS100L
1.25"-1.49" (3.17-3.78)	18" (45.72)	15" (38.10)	1,610 (7,161)	SPS125L
1.50"-1.74" (3.81-4.42)	18" (45.72)	17" (43.18)	1,610 (7,161)	SPS150L
1.75"-1.99" (4.44-5.05)	18" (45.72)	19" (48.26)	2,150 (9,563)	SPS175L
2.00"-2.49" (5.08-6.32)	18" (45.72)	21" (53.34)	3,260 (14,500)	SPS200L
2.50"-2.99" (6.35-7.59)	18" (45.72)	23" (58.42)	3,260 (14,500)	SPS250L
3.00"-3.49" (7.62-8.86)	18" (45.72)	25" (63.50)	4,900 (21,795)	SPS300L
3.50"-3.99" (8.89-10.13)	18" (45.72)	27" (68.58)	4,900 (21,795)	SPS350L

Note: Stainless steel support grips are available upon request. Consult Factory.

Designed for use when cable ends are unavailable. The grip is wrapped around the cable and then drawn closed with a wire lace. It is important that the wire lacing be the same type and gauge as supplied with the grip from the factory.



SPS150L



### The following procedures should be used when installing the grip:

Bend the wire lace in the middle so both ends are even. Wrap grip around the cable. Starting at the first loop closest to the eye, thread each end of the wire lace through the first loop on each side of the split, pull both ends of the lace until they are even. Criss-cross laces and thread each end of the lace through the next loop, on opposite sides of the split. Continue doing the same for the full length of the split, pulling the lace after each loop so the space between both sides of the split is no greater than the spaces of the mesh. When end of split is reached, twist lacing tightly together. Wrap ends of lace around grip. Twist ends to secure. Only new laces should be used. A split grip is only as good as its lacing or closing of the split.

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Standard Duty Support Grips

### Application:

Supporting vertical and horizontal runs of cable indoors and outdoors when ends of cable are not available

- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Strand equalizers reinforce gripping strength and position, distributes load equally

### Ideal For Use In:

- Industrial applications
- Communication towers
- Utility work
- Heavy equipment
- Construction



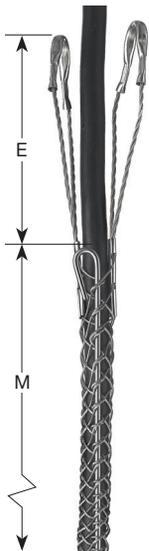
SPSR125U

### Single Eye, Split Mesh, Rod Closing Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze		Stainless Steel	
	E	M	Approx. Breaking Strength Lbs. (N)	Single Eye	Approx. Breaking Strength Lbs. (N)	Single Eye
.50"- .62" (1.27-1.57)	7" (17.78)	6" (16.51)	790 (3,514)	SPSR050U	1,050 (4,670)	SPSR050US
.63"- .74" (1.60-1.88)	8" (20.32)	8" (21.59)	790 (3,514)	SPSR062U	2,050 (9,118)	SPSR062US
.75"- .99" (1.90-2.51)	8" (20.32)	10" (26.67)	1,020 (4,537)	SPSR075U	2,050 (9,118)	SPSR075US
1.00"-1.24" (2.54-3.15)	9" (22.86)	12" (31.75)	1,610 (7,161)	SPSR100U	2,650 (11,787)	SPSR100US
1.25"-1.49" (3.17-3.78)	10" (25.40)	14" (36.83)	1,610 (7,161)	SPSR125U	4,500 (20,016)	SPSR125US
1.50"-1.74" (3.81-4.42)	12" (30.48)	15" (39.37)	1,610 (7,161)	SPSR150U	4,500 (20,016)	SPSR150US
1.75"-1.99" (4.44-5.05)	14" (35.56)	16" (41.91)	2,150 (9,563)	SPSR175U	6,000 (26,688)	SPSR175US
2.00"-2.49" (5.08-6.32)	16" (40.64)	19" (49.53)	3,260 (14,500)	SPSR200U	8,950 (39,810)	SPSR200US
2.50"-2.99" (6.35-7.59)	18" (45.72)	21" (54.61)	3,260 (14,500)	SPSR250U	7,750 (34,472)	SPSR250US
3.00"-3.49" (7.62-8.86)	21" (53.34)	23" (59.69)	5,750 (25,576)	SPSR300U	8,500 (37,808)	SPSR300US
3.50"-3.99" (8.89-10.13)	24" (60.96)	25" (64.77)	5,750 (25,576)	SPSR350U	-	-

### Double Eye, Split Mesh, Rod Closing Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze		Stainless Steel	
	E	M	Approx. Breaking Strength Lbs. (N)	Double Eye	Approx. Breaking Strength Lbs. (N)	Double Eye
.50"- .62" (1.27-1.57)	4" (10.16)	6" (16.51)	790 (3,514)	SPSR050DE	-	-
.63"- .74" (1.60-1.88)	4" (10.16)	8" (21.59)	790 (3,514)	SPSR062DE	2,050 (9,118)	SPSR062DES
.75"- .99" (1.90-2.51)	5" (13.97)	10" (26.67)	1,020 (4,537)	SPSR075DE	2,050 (9,118)	SPSR075DES
1.00"-1.24" (2.54-3.15)	5" (12.70)	12" (31.75)	1,610 (7,161)	SPSR100DE	2,650 (11,787)	SPSR100DES
1.25"-1.49" (3.17-3.78)	5" (12.70)	14" (36.83)	1,610 (7,161)	SPSR125DE	-	-
1.50"-1.74" (3.81-4.42)	5" (12.70)	15" (39.37)	1,610 (7,161)	SPSR150DE	3,750 (16,680)	SPSR150DES
1.75"-1.99" (4.44-5.05)	6" (15.24)	16" (41.91)	2,150 (9,563)	SPSR175DE	5,000 (22,240)	SPSR175DES
2.00"-2.49" (5.08-6.32)	6" (15.24)	19" (49.53)	3,260 (14,500)	SPSR200DE	8,950 (39,810)	SPSR200DES
2.50"-2.99" (6.35-7.59)	6" (15.24)	21" (54.61)	3,260 (14,500)	SPSR250DE	8,950 (39,810)	SPSR250DES
3.00"-3.49" (7.62-8.86)	8" (20.32)	23" (59.69)	5,750 (25,576)	SPSR300DE	-	-
3.50"-3.99" (8.89-10.13)	8" (20.32)	25" (64.77)	5,750 (25,576)	SPSR350DE	-	-



SPSR125DE



The following procedures should be used when installing the grip:

Wrap the grip around the cable and thread the rod through the pre-formed loops with a corkscrew motion, using the curved end of the rod to engage the loops. This requires a simultaneous steady twist and push motion. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod. To remove, simply pull out rod.

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Standard Duty Support Grips

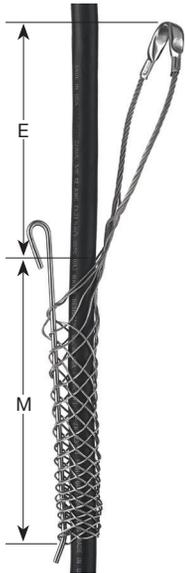
### Application:

Supporting vertical and horizontal runs of cable indoors and outdoors when ends of cable are not available

- Available for light duty, standard duty and heavy duty applications
- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Strand equalizers reinforce gripping strength and position, distributes load equally

### Ideal For Use In:

- Industrial applications
- Communication towers
- Heavy equipment
- Utility work
- Construction



SPSR125SO

### Offset Eye, Split Mesh, Rod Closing Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze		Stainless Steel	
	E	M	Approx. Breaking Strength Lbs. (N)	Offset Eye	Approx. Breaking Strength Lbs. (N)	Single Eye
.63"-.74" (1.60-1.88)	4" (10.16)	9" (22.86)	750 (3,336)	<b>SPSR062SO</b>	1,950 (8,674)	<b>SPSR062SOS</b>
.75"-.99" (1.90-2.51)	4" (10.16)	10" (25.40)	950 (4,226)	<b>SPSR075SO</b>	1,950 (8,674)	<b>SPSR075SOS</b>
1.00"-1.24" (2.54-3.15)	5" (12.70)	12" (30.48)	1,500 (6,672)	<b>SPSR100SO</b>	2,500 (11,121)	<b>SPSR100SOS</b>
1.25"-1.49" (3.17-3.78)	5" (12.70)	14" (35.56)	1,500 (6,672)	<b>SPSR125SO</b>	4,200 (18,683)	<b>SPSR125SOS</b>
1.50"-1.74" (3.81-4.42)	5" (12.70)	15" (38.10)	1,500 (6,672)	<b>SPSR150SO</b>	4,500 (20,017)	<b>SPSR150SOS</b>
1.75"-1.99" (4.44-5.05)	6" (15.24)	16" (40.64)	2,000 (8,896)	<b>SPSR175SO</b>	4,375 (19,461)	<b>SPSR175SOS</b>
2.00"-2.49" (5.08-6.32)	9" (22.86)	19" (48.26)	3,100 (13,789)	<b>SPSR200SO</b>	—	—
2.50"-2.99" (6.35-7.59)	9" (22.86)	20" (50.80)	3,100 (13,789)	<b>SPSR250SO</b>	—	—
3.00"-3.49" (7.62-8.86)	11" (27.94)	21" (53.34)	4,300 (19,127)	<b>SPSR300SO</b>	—	—
3.50"-3.99" (8.89-10.13)	11" (27.94)	24" (60.96)	4,300 (19,127)	<b>SPSR350SO</b>	—	—

### Universal Eye, Split Mesh, Rod Closing Inches (cm)

Cable Diameter Range Inches (cm)	Inches (cm)		Tin-Coated Bronze		Stainless Steel	
	E	M	Approx. Breaking Strength Lbs. (N)	Double Eye	Approx. Breaking Strength Lbs. (N)	Single Eye
.63"-.74" (1.60-1.88)	18" (45.72)	8" (21.59)	790 (3,514)	<b>SPSR062L</b>	—	—
.75"-.99" (1.90-2.51)	18" (45.72)	10" (26.67)	1,020 (4,537)	<b>SPSR075L</b>	—	—
1.00"-1.24" (2.54-3.15)	18" (45.72)	12" (31.75)	1,610 (7,161)	<b>SPSR100L</b>	—	—
1.25"-1.49" (3.17-3.78)	18" (45.72)	14" (36.83)	1,610 (7,161)	<b>SPSR125L</b>	—	—
1.75"-1.99" (4.44-5.05)	18" (45.72)	16" (41.91)	2,150 (9,564)	<b>SPSR175L</b>	—	—
2.00"-2.49" (5.08-6.32)	18" (45.72)	19" (49.53)	3,260 (14,501)	<b>SPSR200L</b>	—	—
2.50"-2.99" (6.35-7.59)	18" (45.72)	21" (54.61)	3,260 (14,501)	<b>SPSR250L</b>	—	—

Dim. to Sliding Bar Fully Ext'd.



SPSR125L

Split rod closing grips are used for pulling slack or providing support when ends of cable are not available. The provided stainless steel rod makes threading fast and easy. The strands of mesh pass around the rod and match up with strands from the opposite direction. Since the rod does not touch the cable at any point it cannot cut the cable. Rod closing grips can be removed and reused as many times as desired.



### The following procedures should be used when installing the grip:

Wrap the grip around the cable and thread the rod through the pre-formed loops with a corkscrew motion, using the curved end of the rod to engage the loops. This requires a simultaneous steady twist and push motion. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod. To remove, simply pull out rod.

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Service Drop, Heavy Duty Support Grips

### Application:

For heavy duty support of all types of suspended service cables used in indoor or outdoor minimum abuse environments

- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Strand equalizers reinforce gripping strength and position, distributes load equally

### Ideal For Use In:

- Industrial
- Communication towers
- Utility work and construction
- Transportation power systems
- Residential



### Single Eye and Universal Eye, Split Mesh, Rod Closing

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Single Eye			Universal Eye		
		Inches (cm)		Tin-Coated Bronze	Inches (cm)		Tin-Coated Bronze
		E	M		E	M	
.23"-.31" (.58-79)	500 (2,224)	5" (13.97)	4" (11.43)	SPJ023UD	11" (27.94)	4" (11.43)	SPJ023LD
.29"-.37" (.74-94)	500 (2,224)	5" (13.97)	5" (13.97)	SPJ029UD	11" (27.94)	5" (13.97)	SPJ029LD
.35"-.44" (.89-1.12)	870 (3,870)	6" (15.24)	6" (16.51)	SPJ035UD	12" (30.48)	6" (16.51)	SPJ035LD
.41"-.50" (1.04-1.27)	870 (3,870)	6" (15.24)	7" (19.05)	SPJ041UD	12" (30.48)	7" (19.05)	SPJ041LD
.46"-.56" (1.17-1.42)	1,050 (4,670)	6" (15.24)	8" (20.32)	SPJ046UD	12" (30.48)	8" (20.32)	SPJ046LD
.52"-.62" (1.32-1.57)	1,050 (4,670)	7" (17.78)	8" (21.59)	SPJ052UD	13" (33.02)	8" (21.59)	SPJ052LD
.58"-.68" (1.47-1.73)	1,050 (4,670)	7" (17.78)	9" (24.13)	SPJ058UD	13" (33.02)	9" (24.13)	SPJ058LD
.64"-.75" (1.63-1.90)	1,390 (6,183)	7" (17.78)	9" (24.13)	SPJ064UD	13" (33.02)	9" (24.13)	SPJ064LD
.75"-.87" (1.90-2.21)	1,390 (6,183)	8" (20.32)	10" (26.67)	SPJ075UD	14" (35.56)	10" (26.67)	SPJ075LD
.87"-.1.00" (2.21-2.54)	1,790 (7,962)	8" (20.32)	11" (29.21)	SPJ087UD	14" (35.56)	11" (29.21)	SPJ087LD
1.00"-1.18" (2.54-3.00)	1,790 (7,962)	9" (22.86)	13" (34.29)	SPJ100UD	15" (38.10)	13" (34.29)	SPJ100LD
1.06"-1.24" (2.69-3.15)	1,790 (7,962)	9" (22.86)	14" (36.83)	SPJ106UD	15" (38.10)	14" (36.83)	SPJ106LD

## Service Drop, Light Duty Support Grips

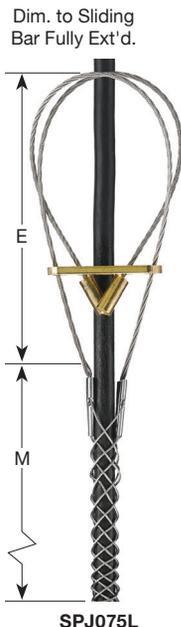
### Application:

For light duty support of all types of suspended service cables used in indoor or outdoor minimum abuse environments

- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Strand equalizers reinforce gripping strength and position, distributes load equally

### Ideal For Use In:

- Industrial applications
- Communication towers
- Utility work and construction
- Transportation power systems
- Residential



### Single Eye and Universal Eye, Split Mesh, Rod Closing

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Single Eye			Universal Eye		
		Inches (cm)		Tin-Coated Bronze	Inches (cm)		Tin-Coated Bronze
		E	M		E	M	
.23"-.31" (.58-79)	290 (1,290)	3" (7.62)	3" (9.52)	SPJ023U	9" (22.86)	3" (9.52)	SPJ023L
.29"-.37" (.74-94)	290 (1,290)	5" (12.70)	4" (11.43)	SPJ029U	10" (25.40)	4" (11.43)	SPJ029L
.35"-.44" (.89-1.12)	500 (2,224)	5" (13.97)	4" (12.06)	SPJ035U	10" (25.40)	4" (12.06)	SPJ035L
.41"-.50" (1.04-1.27)	500 (2,224)	5" (13.97)	5" (12.70)	SPJ041U	11" (27.94)	5" (12.70)	SPJ041L
.46"-.56" (1.17-1.42)	660 (2,936)	6" (15.24)	5" (13.33)	SPJ046U	12" (30.48)	5" (13.33)	SPJ046L
.52"-.62" (1.32-1.57)	790 (3,514)	7" (17.78)	6" (15.87)	SPJ052U	13" (33.02)	6" (15.87)	SPJ052L
.58"-.68" (1.47-1.73)	790 (3,514)	7" (17.78)	6" (16.51)	SPJ058U	13" (33.02)	6" (16.51)	SPJ058L
.64"-.75" (1.63-1.90)	790 (3,514)	7" (17.78)	6" (17.14)	SPJ064U	13" (33.02)	6" (17.14)	SPJ064L
.75"-.87" (1.90-2.21)	1,020 (4,537)	8" (20.32)	8" (20.32)	SPJ075U	14" (35.56)	8" (20.32)	SPJ075L
.87"-.1.00" (2.21-2.54)	1,020 (4,537)	8" (20.32)	8" (22.22)	SPJ087U	14" (35.56)	8" (22.22)	SPJ087L
1.00"-1.18" (2.54-3.00)	1,020 (4,537)	9" (22.86)	9" (24.13)	SPJ100U	15" (38.10)	9" (24.13)	SPJ100L
1.06"-1.25" (2.69-3.17)	1,020 (4,537)	9" (22.86)	9" (24.13)	SPJ106U	15" (38.10)	9" (24.13)	SPJ106L

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Bus Drop Support Grips

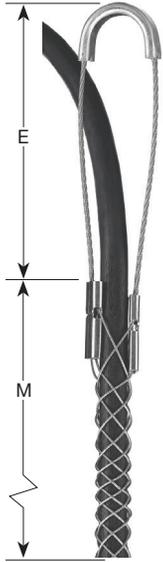
### Application:

Used for light duty support of the dead weight of flexible cable connections of electrical machinery to bus ducts, relieving strain, pull, vibration, and flexing, when used with safety springs, these grips reduce tension, prevent pullouts, electrical accidents, and downtime, often used in conjunction with strain relief grips

- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible

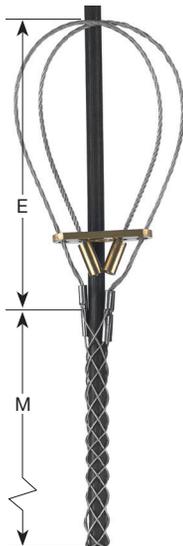
### Ideal For Use In:

- All factory equipment
- Cable drops for electrical connections

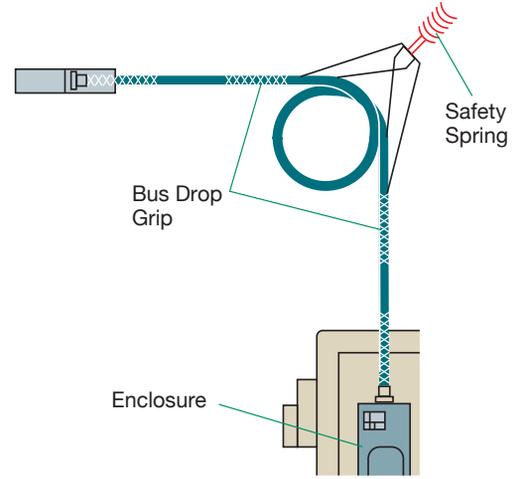


**BDS56U**

Dim. to Sliding Bar Fully Ext'd.



**BDS56L**



### Single Eye and Universal Eye, Split Mesh, Rod Closing Inches (cm)

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Single Eye			Universal Eye		
		Inches (cm)		Galvanized Steel	Inches (cm)		Galvanized Steel
		E	M		E	M	
.24"-.32" (.61-.81)	350 (1,557)	3" (7.62)	3" <sup>3/4</sup> (8.89)	<b>BDS24U</b>	9" (22.86)	3" <sup>3/4</sup> (8.89)	<b>BDS24L</b>
.32"-.43" (.81-1.09)	450 (2,002)	4" (10.16)	4" (10.16)	<b>BDS32U</b>	10" (25.40)	4" (10.16)	<b>BDS32L</b>
.43"-.56" (1.09-1.42)	550 (2,446)	6" (15.24)	4" <sup>3/4</sup> (12.06)	<b>BDS43U</b>	12" (30.48)	4" <sup>3/4</sup> (12.06)	<b>BDS43L</b>
.56"-.73" (1.42-1.85)	1,000 (4,448)	7" (17.78)	6" (15.24)	<b>BDS56U</b>	13" (33.02)	6" (15.24)	<b>BDS56L</b>
.73"-.85" (1.85-2.16)	1,400 (6,227)	7" (17.78)	6" <sup>3/4</sup> (17.14)	<b>BDS73U</b>	13" (33.02)	6" <sup>3/4</sup> (17.14)	<b>BDS73L</b>
.85"-.100" (2.16-2.54)	1,400 (6,227)	8" (20.32)	8" (20.32)	<b>BDS85U</b>	14" (35.56)	8" (20.32)	<b>BDS85L</b>
1.00"-1.25" (2.54-3.17)	1,500 (6,672)	9" (22.86)	9" <sup>3/4</sup> (24.13)	<b>BDS100U</b>	15" (38.10)	9" <sup>3/4</sup> (24.13)	<b>BDS100L</b>

### Bus Drop Safety Springs Inches (cm)

Diameter Inches (cm)	Approx. Breaking Strength Lbs. (N)	Length Inches (cm)	Maximum Deflection Inches/Lbs. (cm/N)	Catalog Number
3/8" (1.90)	500 (2,224)	8" <sup>3/4</sup> (20.95)	2" at 40 Lbs. (6.67 cm at 178 N)	<b>S40</b>
1" (2.54)	850 (3,781)	8" <sup>3/4</sup> (20.95)	3 1/8" at 80 Lbs. (7.94 cm at 356 N)	<b>S80</b>



### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Conduit Riser Support Grips

### Application:

Supports vertical or sloping cable in schedule 40 rigid PVC conduit or standard electrical rigid metal conduit, prevents strain on terminals by transferring weight to support rim of the conduit, **not suitable** for EMT

- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Suitable for standard electrical rigid metal conduit and schedule 40 rigid PVC conduit, **not suitable** for use with EMT
- Bryant Economy Conduit Riser Support Grips meet the requirements of NEC® 300.19

### Ideal For Use In:

- Building and pole risers
- Underground cable lines
- Areas where ring termination is practical

### Ring Type, Closed Mesh Inches (cm)

Cable Dia. Range Inches (cm)	.50"- .62" (1.27-1.57)	.63"- .74" (1.60-1.88)	.75"- .99" (1.90-2.51)	1.00"-1.24" (2.54-3.15)	1.25"-1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)
Length Inches (cm)	8" (20.32)	9" (22.86)	11" (27.94)	12" (30.48)	12" (31.75)	14" (35.56)
Conduit Trade Size Inches	Catalog Number — Material Tin-Coated Bronze Approx. Breaking Strength Lbs. (N)					
¾"	<b>CC050R34</b> 440 (1,957)	—	—	—	—	—
1"	<b>CC050R1</b> 480 (2,135)	<b>CC062R1</b> 790 (3,514)	—	—	—	—
1¼"	<b>CC050R114</b> 450 (2,002)	<b>CC062R114</b> 740 (3,292)	<b>CC075R114</b> 1,030 (4,581)	—	—	—
1½"	—	<b>CC062R112</b> 690 (3,069)	<b>CC075R112</b> 980 (4,359)	<b>CC100R112</b> 590 (2,624)	—	—
2"	<b>CC050R2</b> 370 (1,645)	<b>CC062R2</b> 640 (2,847)	<b>CC075R2</b> 920 (4,092)	<b>CC100R2</b> 1,520 (6,761)	<b>CC125R2</b> 1,610 (7,161)	—
2½"	—	—	—	—	—	<b>CC150R212</b> 1,610 (7,161)
3"	—	—	<b>CC075R3</b> 820 (3,647)	<b>CC100R3</b> 1,340 (5,960)	<b>CC125R3</b> 1,400 (6,227)	<b>CC150R3</b> 1,490 (6,627)
4"	—	—	<b>CC075R4</b> 720 (3,203)	<b>CC100R4</b> 1,160 (5,160)	<b>CC125R4</b> 1,205 (5,338)	—



CC125R3

Cable Dia. Range Inches (cm)	1.75"-1.99" (4.44-5.05)	2.00"-2.49" (5.08-6.32)	2.50"-2.99" (6.35-7.59)	3.00"-3.49" (7.62-8.86)	3.50"-3.99" (8.89-10.13)
Length Inches (cm)	15" (38.10)	16" (41.91)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Trade Size Inches	Catalog Number — Material Tin-Coated Bronze Approx. Breaking Strength Lbs. (N)				
2½"	<b>CC175R212</b> 2,150 (9,563)	—	—	—	—
3"	<b>CC175R3</b> 1,990 (8,851)	<b>CC200R3</b> 3,260 (14,500)	—	—	—
3½"	—	<b>CC200R312</b> 2,970 (13,211)	<b>CC250R312</b> 3,260 (14,500)	—	—
4"	<b>CC175R4</b> 1,667 (7,410)	<b>CC200R4</b> 2,670 (11,876)	<b>CC250R4</b> 2,890 (12,855)	<b>CC300R4</b> 4,080 (18,148)	—
5"	—	—	<b>CC250R5</b> 2,160 (9,608)	<b>CC300R5</b> 2,860 (12,721)	<b>CC350R5</b> 3,160 (14,056)
6"	—	—	—	<b>CC300R6</b> 2,240 (9,963)	<b>CC350R6</b> 2,240 (9,963)

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Wire Management Products

## Conduit Riser Support Grips

### Application:

Supports vertical or sloping cable in schedule 40 rigid PVC conduit or standard electrical rigid metal conduit, prevents strain on terminals by transferring weight to support rim of the conduit, **not suitable** for EMT

- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Suitable for standard electrical rigid metal conduit and schedule 40 rigid PVC conduit, **not suitable** for use with EMT
- Bryant Economy Conduit Riser Support Grips meet the requirements of NEC® 300.19

### Ideal For Use In:

- Building and pole risers
- Underground cable lines
- Areas where ring termination is practical

### Ring Type, Split Mesh, Lace Closing Inches (cm)

Cable Dia. Range Inches (cm)	.75"- .99" (1.90-2.51)	1.00"-1.24" (2.54-3.15)	1.25"-1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"-1.99" (4.44-5.05)
Length Inches (cm)	11" (27.94)	12" (30.48)	12" (31.75)	14" (35.56)	15" (38.10)
Conduit Trade Size Inches	Catalog Number — Material Tin-Coated Bronze Approx. Breaking Strength Lbs. (N)				
1½"	—	<b>CSD100L112</b> 2,040 (9,074)	—	—	—
2"	<b>CSD075L2</b> 1,420 (6,316)	<b>CSD100L2</b> 1,920 (8,540)	<b>CSD125L2</b> 2,040 (9,074)	—	—
2½"	—	—	<b>CSD125L212</b> 1,910 (8,496)	<b>CSD150L212</b> 2,040 (9,074)	<b>CSD175L212</b> 2,730 (12,143)
3"	—	—	<b>CSD125L3</b> 1,780 (7,917)	<b>CSD150L3</b> 1,880 (8,362)	<b>CSD175L3</b> 2,520 (11,209)
4"	—	—	—	<b>CSD150L4</b> 1,580 (7,028)	<b>CSD175L4</b> 2,110 (9,385)
Cable Dia. Range Inches (cm)	2.00"-2.49" (5.08-6.32)	2.50"-2.99" (6.35-7.59)	3.00"-3.49" (7.62-8.86)	3.50"-3.99" (8.89-10.13)	
Length Inches (cm)	16" (41.91)	18" (45.72)	20" (50.80)	21" (53.34)	
Conduit Trade Size Inches	Catalog Number — Material Tin-Coated Bronze Approx. Breaking Strength Lbs. (N)				
3"	<b>CSD200L3</b> 4,300 (19,126)	—	—	—	—
3½"	<b>CSD200L312</b> 3,910 (17,392)	<b>CSD250L312</b> 4,300 (19,126)	—	—	—
4"	<b>CSD200L4</b> 3,530 (15,701)	<b>CSD250L4</b> 3,820 (16,991)	<b>CSD300L4</b> 5,380 (23,930)	—	—
5"	—	<b>CSD250L5</b> 2,849 (12,672)	<b>CSD300L5</b> 3,760 (16,724)	<b>CSD350L5</b> 4,170 (18,548)	—
6"	—	<b>CSD250L6</b> 2,365 (10,519)	<b>CSD300L6</b> 2,955 (13,144)	<b>CSD350L6</b> 2,955 (13,144)	—



CSD125L3

Designed for use when cable ends are unavailable. The grip is wrapped around the cable and then drawn closed with a wire lace. It is important that the wire lacing be the same type and gauge as supplied with the grip from the factory.



### The following procedures should be used when installing the grip:

Bend the wire lace in the middle so both ends are even. Wrap grip around the cable. Starting at the first loop closest to the eye, thread each end of the wire lace through the first loop on each side of the split, pull both ends of the lace until they are even. Criss-cross laces and thread each end of the lace through the next loop, on opposite sides of the split. Continue doing the same for the full length of the split, pulling the lace after each loop so the space between both sides of the split is no greater than the spaces of the mesh. When end of split is reached, twist lacing tightly together. Wrap ends of lace around grip. Twist ends to secure. Only new laces should be used. A split grip is only as good as its lacing or closing of the split.

### CAUTION

**Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.**

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Wire Management Products

## Conduit Riser Support Grips

### Application:

Supports vertical or sloping cable in schedule 40 rigid PVC conduit or standard electrical rigid metal conduit, prevents strain on terminals by transferring weight to support rim of the conduit, **not suitable** for EMT

- Closed mesh fits over cable end while split mesh is used when cable end is inaccessible
- Suitable for standard electrical rigid metal conduit and schedule 40 rigid PVC conduit, **not suitable** for use with EMT
- Bryant Economy Conduit Riser Support Grips meet the requirements of NEC® 300.19

### Ideal For Use In:

- Building and pole risers
- Underground cable lines
- Areas where ring termination is practical

### Ring Type, Split Mesh, Rod Closing Inches (cm)

Cable Dia. Range Inches (cm)	.75"-.99" (1.90-2.51)	1.00"-1.24" (2.54-3.15)	1.25"-1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"-1.99" (4.44-5.05)	2.00"-2.49" (5.08-6.32)	2.50"-2.99" (6.35-7.59)
Length Inches (cm)	10" (26.67)	12" (30.48)	13" (34.29)	14" (35.56)	15" (39.37)	16" (40.64)	18" (46.99)
Conduit Trade Size Inches	Catalog Number — Material Tin-Coated Bronze Approx. Breaking Strength Lbs. (N)						
1¼"	<b>CSR075R114</b> 1,020 (4,537)	—	—	—	—	—	—
1½"	<b>CSR075R112</b> 970 (4,315)	<b>CSR100R112</b> 1,610 (7,161)	—	—	—	—	—
2"	—	<b>CSR100R2</b> 1,520 (6,761)	<b>CSR125R2</b> 1,610 (7,161)	—	—	—	—
2½"	—	<b>CSR100R212</b> 1,430 (6,361)	<b>CSR125R212</b> 1,510 (6,716)	<b>CSR150R212*</b> 2,150 (9,563)	—	—	—
3"	—	—	<b>CSR125R3</b> 1,400 (6,227)	<b>CSR150R3*</b> 1,990 (8,851)	<b>CSR175R3</b> 1,990 (8,851)	<b>CSR200R3</b> 3,260 (14,500)	—
3½"	—	—	—	—	—	<b>CSR200R312</b> 2,970 (13,211)	<b>CSR250R312</b> 3,260 (14,500)
4"	—	—	—	—	—	<b>CSR200R4</b> 2,670 (11,876)	<b>CSR250R4</b> 2,890 (17,855)



CSR125R3

Split rod closing grips are used for pulling slack or providing support when ends of cable are not available. The provided stainless steel rod makes threading fast and easy. The strands of mesh pass around the rod and match up with strands from the opposite direction. Since the rod does not touch the cable at any point it cannot cut the cable. Rod closing grips can be removed and reused as many times as desired.



### The following procedures should be used when installing the grip:

Wrap the grip around the cable and thread the rod through the pre-formed loops with a corkscrew motion, using the curved end of the rod to engage the loops. This requires a simultaneous steady twist and push motion. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod. To remove, simply pull out rod.

### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Wire Management Products

## Special Purpose Splicing Grips



FTD10024

### Application:

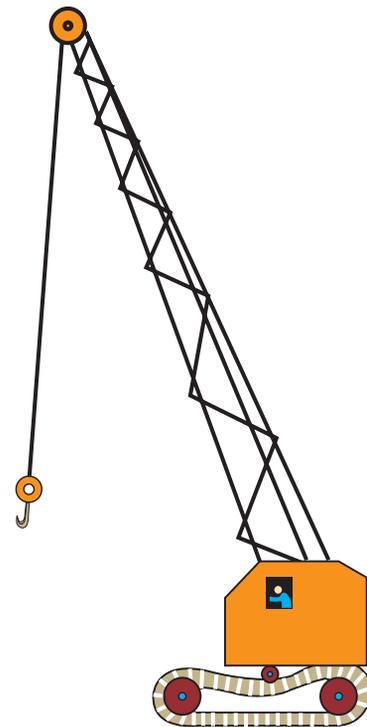
Temporary splice for cable and wire rope, can be used as cable reinforcement and to protect cables and hoses from abrasion, used to replace old wire rope with new wire rope

### Ideal For Use In:

- Cranes
- Oil derricks
- Drag lines
- Hoists
- Factory control cables

### Flexible Tube Inches (cm)

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Mesh Length Inches (cm)	Catalog Number
.37"- .49" (.94-1.24)	3,200 (14,234)	18" (45.72)	<b>FTD03718</b>
.50"- .61" (1.27-1.55)	3,200 (14,234)	18" (45.72)	<b>FTD05018</b>
.50"- .61" (1.27-1.55)	3,200 (14,234)	24" (60.96)	<b>FTD05024</b>
.62"- .74" (1.57-1.88)	4,000 (17,792)	18" (45.72)	<b>FTD06218</b>
.62"- .74" (1.57-1.88)	4,000 (17,792)	24" (60.96)	<b>FTD06224</b>
.62"- .74" (1.57-1.88)	4,000 (17,792)	36" (91.44)	<b>FTD06236</b>
.75"- .99" (1.90-2.51)	6,800 (30,246)	24" (60.96)	<b>FTD07524</b>
.75"- .99" (1.90-2.51)	6,800 (30,246)	36" (91.44)	<b>FTD07536</b>
.75"- .99" (1.90-2.51)	6,800 (30,246)	48" (121.92)	<b>FTD07548</b>
.75"- .99" (1.90-2.51)	6,800 (30,246)	72" (182.88)	<b>FTD07572</b>
1.00"-1.49" (2.54-3.78)	9,000 (40,032)	24" (60.96)	<b>FTD10024</b>
1.00"-1.49" (2.54-3.78)	9,100 (40,477)	36" (91.44)	<b>FTD10036</b>
1.00"-1.49" (2.54-3.78)	9,100 (40,477)	48" (121.92)	<b>FTD10048</b>
1.00"-1.49" (2.54-3.78)	9,100 (40,477)	72" (182.88)	<b>FTD10072</b>

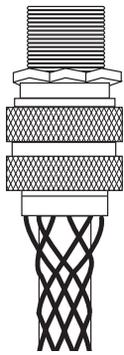


### CAUTION

Never use grip to approximate breaking strength. Refer to page N-26 for safety and working load factors. Banding is necessary to guard against accidental release of grip and provide maximum reliability.

# Wire Management Products

## Strain Relief Grips Quick Reference Selection Guide



### Deluxe Cord

Indoor or outdoor use where subject to moisture, splash, or washdown. Examples are crane hoist and pendant drop stations, hand tools, pumps, and processing equipment. See pages N-23 and N-24.



### Wide Range Strain Relief

Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, and bus drop cable systems. See page N-25.



### Liquidtight, Flexible Metal Conduit

Wiring of machine tools, electrical enclosures, motors, and systems subjected to vibration, flexure, motion, or strain. Also available in straight, 90° or 45° configurations. See page N-25.

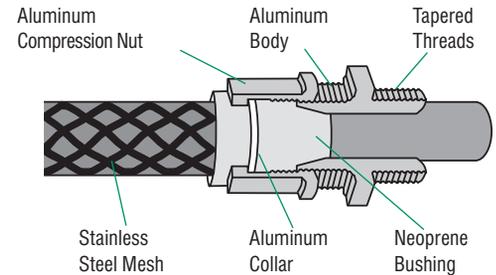
## Deluxe Cord Strain Relief Grips

### Application:

Indoor and outdoor environments where cable or arc-of-bend control, cord is exposed to moisture, splash or washdown, provides pullout from tension, vibration, motion and strain

### Ideal For Use In:

- Industrial applications
- Chemical machinery
- Control cabinets
- Pumps and compressors
- Machine tool shops
- Motor connections



### Deluxe Cord Grips Inches (cm)



DC6234

NPT Hub Size Inches	Grip Dia. Range Inches (cm)	Straight Male Thread	NPT Hub Size Inches	Grip Dia. Range Inches (cm)	Straight Male Thread	
3/8"	.250"- .312" (.63-.79)	DC2538	2"	1.312"-1.437" (3.33-3.65)	DC1312	
	.312"- .375" (.79-.95)	DC3138		1.437"-1.562" (3.65-3.97)	DC1432	
	.375"- .437" (.95-1.11)	DC3738		1.562"-1.687" (3.97-4.28)	DC1562	
1/2"	.187"- .250" (.47-.63)	DC1812		1.687"-1.812" (4.28-4.60)	DC1682	
	.250"- .375" (.63-.95)	DC2512		1.750"-1.875" (4.44-4.76)	DC1752	
	.375"- .500" (.95-1.27)	DC3712		1.812"-1.937" (4.60-4.92)	DC1812	
	.500"- .625" (1.27-1.59)	DC5012		1.937"-2.062" (4.92-5.24)	DC1932	
	.625"- .750" (1.59-1.90)	DC6212		2.062"-2.187" (5.24-5.55)	DC2062	
3/4"	.187"- .250" (.47-.63)	DC1834		2 1/2"	1.687"-1.812" (4.28-4.60)	DC168212
	.250"- .375" (.63-.95)	DC2534			1.812"-1.937" (4.60-4.92)	DC181212
	.375"- .500" (.95-1.27)	DC3734			1.937"-2.062" (4.92-5.24)	DC193212
	.500"- .625" (1.27-1.59)	DC5034			2.062"-2.187" (5.24-5.55)	DC206212
	.625"- .750" (1.59-1.90)	DC6234	2.187"-2.312" (5.55-5.87)		DC218212	
1"	.750"- .875" (1.90-2.22)	DC7534	3"	2.312"-2.437" (5.87-6.19)	DC231212	
	.500"- .625" (1.27-1.59)	DC501		1.937"-2.062" (4.92-5.24)	DC1933	
	.625"- .750" (1.59-1.90)	DC621		2.063"-2.187" (5.24-5.55)	DC2063	
	.750"- .875" (1.90-2.22)	DC751		2.187"-2.312" (5.55-5.87)	DC2183	
1 1/4"	.875"-1.000" (2.22-2.54)	DC871		2.312"-2.437" (5.87-6.19)	DC2313	
	.875"-1.000" (2.22-2.54)	DC87114		2.437"-2.625" (6.19-6.67)	DC2433	
	1.000"-1.125" (2.54-2.86)	DC100114		2.625"-2.812" (6.67-7.14)	DC2623	
	1.125"-1.250" (2.86-3.17)	DC112114		2.812"-3.000" (7.14-7.62)	DC2813	
1 1/2"	1.250"-1.375" (3.17-3.49)	DC125114		3"		
	.875"-1.000" (2.22-2.54)	DC87112				
	1.000"-1.125" (2.54-2.86)	DC100112				
	1.125"-1.250" (2.86-3.17)	DC112112				
	1.250"-1.375" (3.17-3.49)	DC125112				
	1.312"-1.437" (3.33-3.65)	DC131112				
	1.437"-1.562" (3.65-3.97)	DC143112				
1.562"-1.687" (3.97-4.28)	DC156112					
1.687"-1.812" (4.28-4.60)	DC168112					

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Wire Management Products

## Deluxe Cord Strain Relief Grips



DC62F34



DC62434



DC50934

### Application:

Used for indoor and outdoor environments where cable or cord is exposed to moisture, splash or washdown, prevents pullout from tension, vibration, motion and strain applications associated with such environmental conditions, and controls arc-of-bend by absorbing tension from terminals

### Ideal For Use In:

- Food processing equipment
- Chemical machinery
- Switch boxes
- Pumps and compressors
- Motors and machine tools
- Drop stations

### Deluxe Cord Grips Inches (cm)

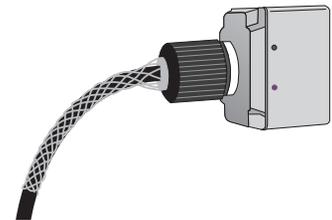
NPT Hub Size Inches	Grip Dia. Range Inches (cm)	Straight Female Thread	45° Male Thread	90° Male Thread
3/8"	.250"-.312" (.63-.79)	—	—	<b>DC25938</b>
	.312"-.375" (.79-.95)	—	—	<b>DC31938</b>
	.375"-.437" (.95-1.11)	—	—	<b>DC37938</b>
1/2"	.187"-.250" (.47-.63)	—	—	<b>DC18912</b>
	.250"-.375" (.63-.95)	<b>DC25F12</b>	<b>DC25412</b>	<b>DC25912</b>
	.375"-.500" (.95-1.27)	<b>DC37F12</b>	<b>DC37412</b>	<b>DC37912</b>
	.500"-.625" (1.27-1.59)	<b>DC50F12</b>	<b>DC50412</b>	<b>DC50912</b>
3/4"	.250"-.375" (.63-.95)	<b>DC25F34</b>	—	—
	.375"-.500" (.95-1.27)	<b>DC37F34</b>	—	<b>DC37934</b>
	.500"-.625" (1.27-1.59)	<b>DC50F34</b>	<b>DC50434</b>	<b>DC50934</b>
	.625"-.750" (1.59-1.90)	<b>DC62F34</b>	<b>DC62434</b>	<b>DC62934</b>
1"	.500"-.625" (1.27-1.59)	—	<b>DC5041</b>	<b>DC5091</b>
	.625"-.750" (1.59-1.90)	—	<b>DC6241</b>	<b>DC6291</b>
	.750"-.875" (1.90-2.22)	—	<b>DC7541</b>	<b>DC7591</b>
	.875"-.1.000" (2.22-2.54)	—	<b>DC8741</b>	<b>DC8791</b>
1 1/4"	.875"-.1.000" (2.22-2.54)	—	—	<b>DC879114</b>
	1.000"-.1.125" (2.54-2.86)	—	<b>DC1004114</b>	<b>DC1009114</b>
	1.125"-.1.250" (2.86-3.17)	—	<b>DC1124114</b>	<b>DC1129114</b>
	1.250"-.1.375" (3.17-3.49)	—	<b>DC1254114</b>	<b>DC1259114</b>
1 1/2"	.875"-.1.000" (2.22-2.54)	—	—	—
	1.000"-.1.125" (2.54-2.86)	—	<b>DC1004112</b>	<b>DC1009112</b>
	1.125"-.1.250" (2.86-3.17)	—	<b>DC1124112</b>	<b>DC1129112</b>
	1.250"-.1.375" (3.17-3.49)	—	<b>DC1254112</b>	<b>DC1259112</b>

## Plug and Connector Strain Relief Grips

### Application:

Designed for use with Bryant Triple Gripper® plugs and connectors, reduces damage to connectors, plugs and cables caused by arc-of-bend

- Remove and replace rear dust shield



PC345W43  
(Plug not Included)

### Product Selection Chart Inches (cm)

Cord Diameter Range Inches (cm)	For Use with Bryant Triple Gripper® Plugs and Connectors	Catalog Number
.30"-.37" (.76-.94)	15 and 20 Amp Straight Blade and 15 Amp Locking 3-Wire Devices	<b>PC13W32</b>
.38"-.50" (.96-1.27)		<b>PC13W43</b>
.50"-.61" (1.27-1.55)		<b>PC13W54</b>
.30"-.41" (.76-1.04)	20 and 30 Amp Locking 3-Wire Devices	<b>PC23W43</b>
.40"-.68" (1.02-1.73)		<b>PC23W54</b>
.67"-.78" (1.70-1.98)		<b>PC23W73</b>
.46"-.68" (1.17-1.73)	20 and 30 Amp Locking 4- and 5-Wire Devices	<b>PC345W43</b>
.68"-.83" (1.73-2.11)		<b>PC345W54</b>
.83"-.95" (2.11-2.41)		<b>PC345W73</b>

### To Use the Chart

1. Identify the Bryant plug or connector needed by type (straight blade or locking), number of wires, and amperage.
2. Find the corresponding cord diameter size to be used.
3. Match this with the grip catalog number shown to the left.

Example: A locking 20 amp, 3-wire plug used with a .60 in. diameter cable would use a **PC23W54**.

# Wire Management Products

## Dust-Tight Strain Relief Grips

### Application:

For indoor use only to connect flexible cord or bus drop cables to electrical enclosures, used for preventing cable pullout damage and for controlling arc-of-bend by absorbing tension from terminals

### Ideal For Use In:

- Bus drop systems
- Motor connections
- Panel boards
- Internal wiring of machines and cabinets

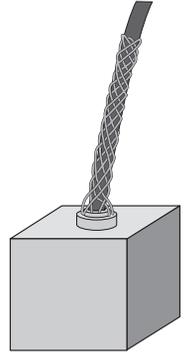


**BDSR43**

### Wide Range Grips Inches (cm)

NPS/NPT* Hub Size	Cable Diameter Range Inches (cm)	Mesh Length Inches (cm)	Knockout Hole Recommended Min. To Max. Inches (cm)	Catalog Number
½ NPS	.24"-.32" (.61-.81)	3" (7.62)	.86"-.91" (2.18-2.31)	<b>BDSR24</b>
¾ NPS	.32"-.43" (.81-1.09)	3" (7.62)	.86"-.91" (2.18-2.31)	<b>BDSR32</b>
1 NPS	.43"-.54" (1.09-1.37)	4" (10.16)	.86"-.91" (2.18-2.31)	<b>BDSR43</b>
1½ NPS	.54"-.73" (1.37-1.85)	6" (15.24)	1.09"-1.14" (2.77-2.90)	<b>BDSR54</b>
2 NPS	.73"-.97" (1.85-2.46)	7" (17.78)	1.36"-1.41" (3.45-3.58)	<b>BDSR73</b>
2½ NPS	.97"-.1.25" (2.46-3.17)	9" (22.86)	1.72"-1.77" (4.37-4.49)	<b>BDSR97</b>
3 NPS	1.25"-1.50" (3.17-3.81)	11" (27.94)	1.97"-2.02" (5.00-5.13)	<b>BDSR125</b>
4 NPS	1.50"-1.70" (3.81-4.32)	13" (33.02)	2.45"-2.50" (6.22-6.35)	<b>BDSR150</b>
6 NPS	1.70"-2.00" (4.32-5.08)	13" (33.02)	2.95"-3.00" (7.49-7.62)	<b>BDSR170</b>
8 NPS	2.00"-2.45" (5.08-6.22)	13" (33.02)	2.95"-3.00" (7.49-7.62)	<b>BDSR200</b>

Note: \*NPS = National Pipe Straight, NPT = National Pipe Taper.



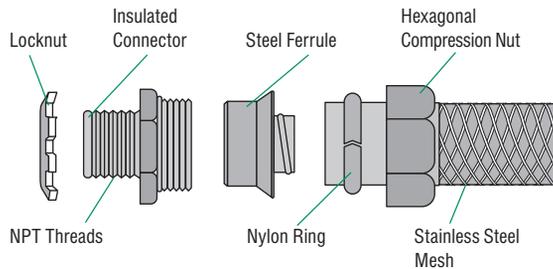
## Liquidtight Strain Relief Grips

### Application:

Any application for type B liquidtight conduit, flexible conduit grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 and 2, Class III Div. 1 and 2 of the NEC® sections 501.10(b), 502.10(a), 502.10(b), 503.10(a), and 503.10(b)

### Ideal For Use In:

- On-machine wiring
- HVAC applications
- Food processing
- Chemical plants
- Mines
- Machine tool shops
- Motor connections



**FC75**

### Male Fittings Inches (cm)

Conduit Trade Size	Mesh Length Inches (cm)	NPT Hub Size Inches	Straight Male Fitting	45° Male Fitting	90° Male Fitting
¾"	3" (7.62)	¾"	<b>FC38</b>	<b>FC3845</b>	<b>FC3890</b>
1"	4" (10.16)	1"	<b>FC50</b>	<b>FC5045</b>	<b>FC5090</b>
1½"	4" (10.16)	1½"	<b>FC75</b>	<b>FC7545</b>	<b>FC7590</b>
2"	5" (12.70)	2"	<b>FC100</b>	<b>FC10045</b>	<b>FC10090</b>
2½"	6" (15.24)	2½"	<b>FC125</b>	<b>FC12545</b>	<b>FC12590</b>
3"	6" (15.24)	3"	<b>FC150</b>	<b>FC15045</b>	<b>FC15090</b>
4"	8" (20.32)	4"	<b>FC200</b>	<b>FC20045</b>	<b>FC20090</b>
6"	9" (22.86)	6"	<b>FC250</b>	—	<b>FC25090</b>
8"	11" (27.94)	8"	<b>FC300</b>	—	—
10"	14" (35.56)	10"	<b>FC400</b>	—	—

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Wire Management Products

## Technical Data

### Safety and Working Load Factors for Wire Mesh Grips

There are many variables associated with the use of wire mesh cable grips. Working load is an estimation of several factors including tension, cable diameter, number of cables gripped, gripping surface and more. Safety factors associated in the product's use must be considered together with the effects of abrasion, corrosion, prior use and abuse and other variables specific to the application.

The appropriate breaking strength of a Bryant Economy Cable Grip represents an average calculation based on data established from actual testing performed in our engineering laboratories. Under normal usage conditions, our recommended factor of safety is five for pulling grips and ten for support grips.

Any warranty as to quality, performance of fitness-for-use of the grips is always premised on the condition that the published strengths apply only to new, unused

grips, and that such products are properly stored, handled, used, maintained and inspected by the user at a frequency appropriate for the use and condition of the grip.

#### WARNING

**Under normal conditions, Bryant recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.**

### Example

Grip Style	Approx. Breaking Strength (Lbs.)	Safety Factor	Max. Recommended Load (Lbs.)	Catalog Number
Pulling	27,200	5	5,440	<b>PHS200</b>
Support	1,610	10	161	<b>SPS125U</b>

*Note: The maximum recommended working load is the greatest tension to be exerted on a grip for any application, with a margin of safety to protect against unforeseen and unusual circumstances.*

### Wire Mesh Grip Materials

Material	Features	Product Group
Galvanized steel wire	High strength	Pulling grips
	Not subject to continuous outside environment	Splicing grips and bus drop grips
Tin-coated bronze wire	Corrosion-resistant for normal outside areas Non-magnetic Moderate strength	Support grips
Stainless steel wire (302/304)	High strength	Support grips
	Corrosion-resistant	Strain relief grips

### Applicable Code Requirements:

Bryant Economy Cable Grips meet the following requirements:

NEC® 300.19	Support of conductors in vertical raceways
NEC® 350	Liquidtight flexible metal conduit termination
NEC® 400.14	Strain relief at joints and terminals
NEC® 400.17	Flexible cord and cable protection
NEC® 501.10 (B)	Class I, Division 2, Tensile stress avoidance at termination fittings
NEC® 502.10 (A) and (B)	Class II, Division 1 and 2, Tensile stress avoidance at termination fittings
NEC® 503.10 (A) and (B)	Class III, Division 1, Tensile stress avoidance at termination fittings

### Selection Table for Multiple Cables of Different Diameters Inches (cm)

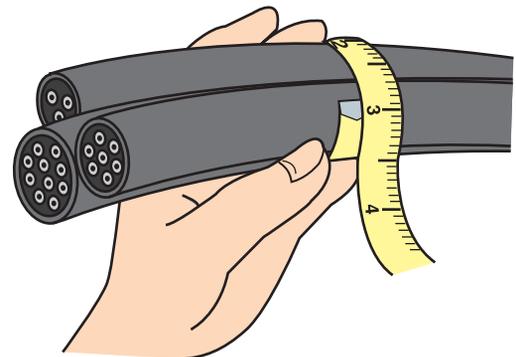
#### How to choose the correct grip size:

1. Find the grip circumference range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).
2. Divide the bundle circumference by 3.14 to determine the diameter.
3. Choose a grip offering a range of cable diameters the same as the cable diameter.

#### For cables of equal diameters

Under "number of cables in one grip", find the diameter of your single cable in vertical column, see page N-27. Read the grip diameter range to the right. If your diameter is the maximum of the range shown, go to the next larger size for split grips, stay with the same size for closed grips.

**Example:** 3 cables, each with .89 (2.26) diameter, for a closed grip select the 1.50-1.74 (3.81-4.42) range, for a split grip select the 1.75-1.99 (4.44-5.05) range.



#### CAUTION

**When a grip is used on multiple cables, the tail end of the grip should be banded after positioning on the cables.**

# Wire Management Products

## Multiple Cable, Grip Selection Chart

### Selection Chart for Determining Grip Size When More Than One Cable is Held in a Single Grip Inches (cm)

- ❶ Under "Number of Cables in One Grip", find the diameter range of your cables in vertical column. Read grip size and grip diameter range to the left.
- ❷ If your diameter is the maximum of the range shown, go to the next larger size for split grips or stay with the same size for closed grips.
- ❸ Example: 3 cables, each with .89 in. diameter, a closed grip would use a 150 grip size while a split grip would use a 175 grip size.

	Grip Size	Grip Dia. Range Inches (cm)	Number of Cables in One Grip						
			2	3	4	5	6 and 7	8	9
<b>Pulling and Support</b>	50	.50"- .61" (1.27-1.55)	.30"- .38" (.76-.97)	.25"- .31" (.63-.79)	.22"- .27" (.56-.69)	.19"- .24" (.48-.61)	.17"- .22" (.43-.56)	.15"- .19" (.38-.48)	.14"- .18" (.36-.46)
	62	.62"- .74" (1.57-1.88)	.38"- .44" (.97-1.12)	.31"- .36" (.79-.91)	.27"- .31" (.69-.79)	.24"- .29" (.61-.74)	.22"- .26" (.56-.66)	.19"- .23" (.48-.56)	.18"- .21" (.46-.53)
	75	.75"- .99" (1.90-2.51)	.44"- .59" (1.12-1.50)	.36"- .49" (.91-1.24)	.31"- .42" (.79-1.07)	.29"- .38" (.74-.97)	.26"- .34" (.66-.86)	.23"- .31" (.58-.79)	.21"- .28" (.53-.71)
	100	1.00"-1.24" (2.54-3.15)	.59"- .75" (1.50-1.90)	.49"- .63" (1.24-1.60)	.42"- .54" (1.07-1.37)	.38"- .48" (.97-1.22)	.34"- .43" (.86-1.09)	.31"- .39" (.79-.99)	.28"- .35" (.71-.89)
	125	1.25"-1.49" (3.17-3.78)	.75"- .90" (1.90-2.29)	.63"- .76" (1.60-1.93)	.54"- .65" (1.37-1.65)	.48"- .58" (1.22-1.47)	.43"- .52" (1.09-1.32)	.39"- .46" (.99-1.17)	.35"- .42" (.89-1.07)
	150	1.49"-1.74" (3.81-4.42)	.90"-1.07" (2.29-2.72)	.76"- .89" (1.93-2.26)	.65"- .77" (1.65-1.96)	.58"- .67" (1.47-1.70)	.52"- .60" (1.32-1.52)	.46"- .54" (1.17-1.37)	.42"- .49" (1.07-1.24)
	175	1.75"-1.99" (4.44-5.05)	1.07"-1.22" (2.72-3.10)	.89"-1.02" (2.26-2.59)	.77"- .88" (1.96-2.24)	.67"- .77" (1.70-1.96)	.60"- .69" (1.52-1.75)	.54"- .62" (1.37-1.57)	.49"- .56" (1.24-1.42)
	200	2.00"-2.49" (5.08-6.32)	1.22"-1.53" (3.10-3.89)	1.02"-1.28" (2.59-3.25)	.88"-1.10" (2.24-2.79)	.77"- .96" (1.96-2.44)	.69"- .86" (1.75-2.18)	.62"- .77" (1.57-1.96)	.56"- .71" (1.42-1.80)
	250	2.50"-2.99" (6.35-7.59)	1.53"-1.83" (3.89-4.65)	1.28"-1.53" (3.25-3.89)	1.10"-1.32" (2.79-3.35)	.96"-1.16" (2.44-2.95)	.86"-1.03" (2.18-2.62)	.77"- .93" (1.96-2.36)	.71"- .85" (1.80-2.16)
	300	3.00"-3.49" (7.62-8.86)	1.83"-2.14" (4.65-5.44)	1.53"-1.79" (3.89-4.55)	1.32"-1.54" (3.35-3.91)	1.16"-1.35" (2.95-3.43)	1.03"-1.20" (2.62-3.05)	.93"-1.08" (2.36-2.74)	.85"- .99" (2.16-2.51)
	350	3.50"-3.99" (8.89-10.13)	2.14"-2.44" (5.44-6.20)	1.79"-2.05" (4.55-5.21)	1.54"-1.76" (3.91-4.47)	1.35"-1.54" (3.43-3.91)	1.20"-1.37" (3.05-3.48)	1.08"-1.24" (2.74-3.15)	.99"-1.13" (2.51-2.87)
	400	4.00"-4.49" (10.16-11.40)	2.44"-2.75" (6.20-6.98)	2.05"-2.30" (5.21-5.84)	1.76"-1.98" (4.47-5.03)	1.54"-1.74" (3.91-4.42)	1.37"-1.55" (3.48-3.94)	1.24"-1.39" (3.15-3.53)	1.13"-1.27" (2.87-3.23)
450	4.50"-4.99" (11.43-12.67)	2.75"-3.06" (6.98-7.77)	2.30"-2.56" (5.84-6.50)	1.98"-2.20" (5.03-5.59)	1.74"-1.93" (4.42-4.90)	1.55"-1.72" (3.94-4.37)	1.39"-1.55" (3.53-3.94)	1.27"-1.41" (3.23-3.58)	
<b>Conduit Riser</b>	50	.50"- .62" (1.27-1.57)	.29"- .36" (.74-.91)	.24"- .30" (.61-.76)	.21"- .25" (.53-.63)	.18"- .22" (.46-.56)	.16"- .20" (.41-.51)	.15"- .18" (.38-.46)	.14"- .17" (.36-.43)
	62	.63"- .74" (1.60-1.88)	.37"- .43" (.94-1.09)	.31"- .36" (.79-.91)	.26"- .30" (.66-.76)	.23"- .27" (.58-.69)	.21"- .24" (.53-.61)	.19"- .22" (.48-.56)	.18"- .20" (.46-.51)
	75	.75"- .99" (1.90-2.51)	.44"- .58" (1.12-1.47)	.37"- .48" (.94-1.22)	.31"- .41" (.79-1.04)	.28"- .36" (.71-.91)	.25"- .32" (.63-.81)	.23"- .29" (.58-.74)	.21"- .27" (.53-.69)
	100	1.00"-1.24" (2.54-3.15)	.59"- .72" (1.50-1.83)	.49"- .60" (1.24-1.52)	.42"- .51" (1.07-1.30)	.37"- .45" (.94-1.14)	.33"- .40" (.84-1.02)	.30"- .36" (.76-.91)	.28"- .34" (.71-.86)
	125	1.25"-1.49" (3.17-3.78)	.73"- .87" (1.85-2.21)	.61"- .72" (1.55-1.83)	.52"- .61" (1.32-1.55)	.46"- .54" (1.17-1.37)	.41"- .48" (1.04-1.22)	.37"- .43" (.94-1.09)	.35"- .40" (.89-1.02)
	150	1.50"-1.74" (3.81-4.42)	.88"-1.01" (2.24-2.57)	.73"- .85" (1.85-2.16)	.62"- .71" (1.57-1.80)	.55"- .63" (1.40-1.60)	.49"- .56" (1.24-1.42)	.44"- .51" (1.12-1.30)	.41"- .47" (1.04-1.19)
	175	1.75"-1.99" (4.44-5.05)	1.02"-1.16" (2.59-2.95)	.86"- .96" (2.18-2.44)	.72"- .81" (1.83-2.06)	.64"- .72" (1.63-1.83)	.57"- .64" (1.45-1.63)	.52"- .58" (1.32-1.49)	.48"- .54" (1.22-1.37)
	200	2.00"-2.49" (5.08-6.32)	1.17"-1.44" (2.97-3.66)	.97"-1.20" (2.46-3.05)	.82"-1.02" (2.08-2.59)	.73"- .90" (1.85-2.29)	.65"- .80" (1.65-2.03)	.59"- .72" (1.50-1.83)	.55"- .67" (1.40-1.70)
	250	2.50"-2.99" (6.35-7.59)	1.45"-1.73" (3.68-4.39)	1.21"-1.45" (3.07-3.68)	1.03"-1.22" (2.62-3.10)	.91"-1.08" (2.31-2.74)	.81"- .96" (2.06-2.44)	.73"- .87" (1.85-2.21)	.68"- .81" (1.73-2.06)
	300	3.00"-3.49" (7.62-8.86)	1.74"-2.02" (4.42-5.13)	1.46"-1.69" (3.71-4.29)	1.23"-1.43" (3.12-3.63)	1.09"-1.26" (2.77-3.20)	.97"-1.11" (2.46-2.82)	.83"-1.01" (2.11-2.57)	.82"- .94" (2.08-2.39)
350	3.50"-3.99" (8.89-10.13)	2.75"-3.06" (5.16-5.87)	1.70"-1.93" (4.32-4.90)	1.44"-1.63" (3.66-4.14)	1.27"-1.44" (3.23-3.66)	1.12"-1.27" (2.84-3.23)	1.02"-1.15" (2.59-2.92)	.95"-1.08" (2.41-2.74)	

# Wire Management Products

## Technical Data

Bryant Pulling Grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts and conduit. Bryant Pulling Grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Bryant Pulling Grip for every pulling job.

### CAUTION

It is very important to comply with all of the following precautions. Failure to do so may result in property damage, personal injury or death.

1. Pulling grips are to be installed by a qualified individual in accordance with all applicable national and local safety, electrical and rigging codes.
2. Ensure that the correct grip is selected for your specific needs.
3. Do not use a pulling grip for any application other than pulling cable.
4. Thoroughly examine the grip for damage. Do not use a damaged grip.
5. Ensure that the recommended work load of the grip is suitable for the application. Never use grips at their approximated rated breaking strength. A safety factor of 5 is recommended for pulling grips.
6. Do not alter grips in any way. For example, do not modify pulling eyes, shoulders, fittings or lugs.
7. Do not attach any type of pulling hardware to any point on the grip other than the pulling eye. The pulling eye is the only acceptable means of attachment to external hardware.
8. Always apply 2 bands at 1" and 2" respectively, from the tail end of the mesh to guard against accidental release of the grip. Accidental release can occur if an object contracts and pushes against the tail end of the mesh, thereby expanding and releasing its hold.

## Select The Correct Pulling Grip

Each Bryant Grip is designed to work on a specific range of cable diameters.

**Step 1** Refer to the chart below to determine the style of grip best suited for your application.

**Step 2** Determine your cable outside diameter.

**Step 3** Find the grip size that encompasses your cable diameter.

**Step 4** Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page N-26 for safety and working load factors.

## Pulling Grip Selection Chart

Grip Style	Application	Page Number
Multiple strength, flexible eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	N-4
Rotating eye grip	Underground power cables and communication lines. Service lines into factories.	N-5
Flexible eye grip	Underground power cables and communication lines. Service lines into factories.	N-5
Light duty, flexible eye	Light pulling, underground electrical construction. Industrial plant wiring and rewiring jobs.	N-6
Junior, flexible eye	Connect bundled insulated building wire to a pulling tape. Pull wire through conduit.	N-6
Slack pulling, closed mesh	Remove underground cable. For pulling slack in final placement of new cable when end of cable is available.	N-7
Slack pulling, split mesh	Remove underground cable. For pulling slack in final placement of new cable rawhide lace closing when end of cable is not available.	N-7
Pulling Grip Accessories	Tools, bands and swivels.	N-8
Splicing	Temporary splice for cable or wire rope.	N-22

# Wire Management Products

## Technical Data

### Overhead Pulling Multiple Strength Grips

Multiple Strength Pulling Grips are designed for pulling aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables. They are made of high strength galvanized steel strand and feature a multi-weave mesh construction of single, double and triple weave for firm holding power.

### Application

Bryant Multiple Strength Grips are ideal for overhead transmission and distribution line stringing where moderate loading is anticipated. They are economical tools for attaching conductors to pulling lines and double socking for conductor-to-conductor connections.

### Flexible Eye Feature

Multiple Strength Grips are also available with a flexible, patented wire rope eye. This compact eye will mate with a swivel, and pass through blocks and sheaves without binding.

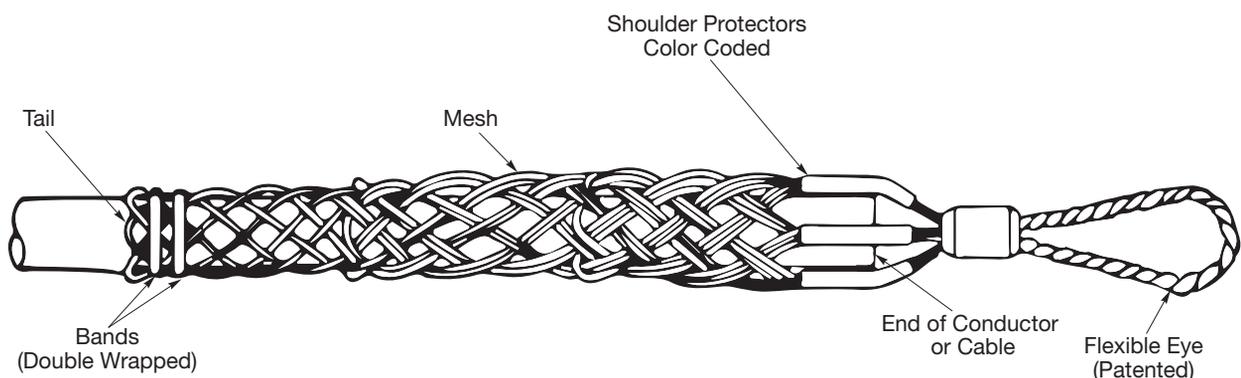
### Benefits

- Economical, high strength pulling tool
- Multi-weave construction provides greater strength and holding power
- Endless Weave Grip end lies flat on the cable and will not snag

*Note: 1. Do not run grips or swivels over bullwheels while under tension.*

*2. Two Punch-Lok® bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release. See page N-8.*

### Components



# Wire Management Products

## Technical Data

### Underground Pulling Rotating Eye and Flexible Eye Grips

#### Rotating Eye Application

Rotating Eye Pulling Grips are specially designed for use in the installation of underground power cables, communication lines and service lines into factories, shopping centers, construction projects and general underground electrical construction.

#### Rotating Eye Feature

Rotating Eye Grips come equipped with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined, and will thread through blocks and sheaves without binding.

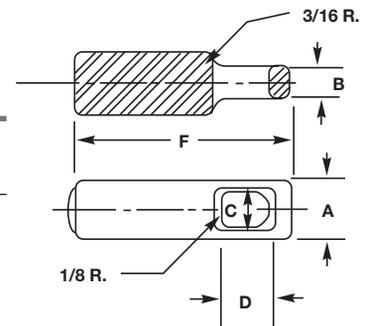
**The rotating eye is not a swivel and will not turn while under tension**, it can turn to relieve pulling torque when the tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page N-8.

#### Benefits

- An economical tool for pulling cable
- Safe, rugged and dependable
- Equipped with a rotating eye for spin out of pulling torque after load release
- Easily installed and removed

#### Rotating Eye Dimensions Inches (cm)

Rotating Eye Dimensions Inches (cm)	A	B	C	D	F
7/8" (2.22)	7/8" (2.22)	9/32" (.71)	1/2" (1.27)	7/8" (2.22)	2 5/8" (6.67)
1" (2.54)	1" (2.54)	1/2" (1.27)	9/16" (1.43)	1 3/16" (2.06)	3 1/2" (8.89)
1 3/8" (3.49)	1 3/8" (3.49)	1/2" (1.27)	1 1/16" (1.75)	1" (2.54)	4 1/2" (11.43)
1 5/8" (4.13)	1 5/8" (4.13)	5/8" (1.59)	7/8" (2.22)	1 3/16" (3.02)	5 5/16" (13.49)
1 7/8" (4.76)	1 7/8" (4.76)	2 1/32" (1.67)	1" (2.54)	1 3/8" (3.49)	6 1/8" (15.56)



#### Flexible Eye Application

Bryant Flexible Eye Pulling Grips are made of high strength galvanized steel strand. They feature double weave mesh for positive holding power in medium to heavy pulling jobs. The grip eye will easily attach to a swivel.

#### Flexible Eye Feature

Flexible Eye Pulling Grips are used for the installation of underground power cables, communication lines and service lines into factories, construction projects and for general underground electrical construction. Available in two mesh lengths, short for medium pulls and standard for general purpose pulling.

#### Benefits

- Will pull a single cable or cable bundles
- Patented flexible eye design provides flexibility to follow line of pull
- A dependable, reusable pulling tool
- Easily installed and removed
- Mates easily with a swivel, see page N-8

# Section O

## Lampholders, Starters and Adapters

Table of Contents	Page
<b>Incandescent Lampholders</b>	
Porcelain and Plastic . . . . .	O-2
<b>Fluorescent Lampholders</b>	
Medium Bi-Pin and Slimline . . . . .	O-2
Recessed Double Contact and Snap-In Quickwire . . . . .	O-3
<b>Lampholder Accessories</b>	
Incandescent Lampholders and Adapters . . . . .	O-5
Lamp Switches and Snap-in Receptacles . . . . .	O-5
Fluorescent Starters . . . . .	O-6
Technical Information . . . . .	O-6



# Lampholders, Starters and Adapters



## Incandescent Lampholders



### Incandescent Lampholders:

- 2 or 4 screw termination allows for quick feed through
- 6 inch pigtail accommodates twist on wire connectors

### Fluorescent Lampholders:

- Thermoplastic construction available for HO (High Output), slimline, or Bi-pin types

## Porcelain Lampholders



Catalog Number	RL8804	RL8806	RL8812	RL8816	RL8822
Description	Keyless, white, 4 terminal screws	Keyless, white, 6 inch pigtails	Pull chain, white, 2 terminal screws	Pull chain, white, 6 inch pigtails	Pull chain with receptacle, white, 2 terminal screws
Rating	660W 250V	660W 250V	660W 250V	660W 250V	660W 125V, 15A 125V, NEMA 5-15R

## Plastic Lampholders



Catalog Number	RL8504	RL8506	RL8512	RL8516
Description	Keyless, white, 4 terminal screws	Keyless, white, 6 inch pigtails	Pull chain, white, 2 terminal screws	Pull chain, white, 6 inch pigtails
Rating	660W 600V	660W 600V	660W 250V	660W 250V

## Incandescent Brass Lampholders



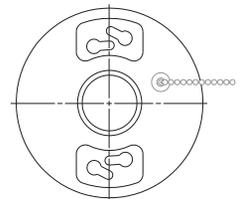
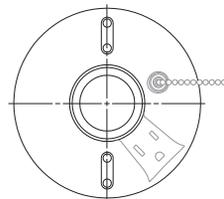
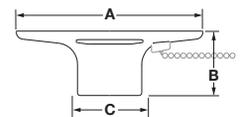
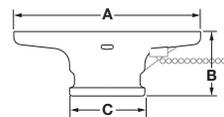
Catalog Number	RL101*	RL102*	RL105*	RL106*	RL100**
Description	Turn knob, single	Turn knob, 3-way	Push through	Pull chain	Keyless, brass
Rating	250W 250V	250W 250V	660W 250V	660W 250V	660W 250V

Note: \*UL and cUL. \*\*UL and CSA.

## Product Dimensions Inches (mm)

Porcelain	RL8804	RL8806	RL8812	RL8816	RL8822
A	4.35" (110.5)	4.35" (110.5)	4.55" (115.6)	4.55" (115.6)	4.55" (115.6)
B	1.50" (38.1)	1.50" (38.1)	1.55" (39.4)	1.55" (39.4)	1.55" (39.4)
C	1.84" (46.7)	1.84" (46.7)	1.84" (46.7)	1.84" (46.7)	1.84" (46.7)

Plastic	RL8504	RL8506	RL8512	RL8516
A	4.55" (115.6)	4.55" (115.6)	4.55" (115.6)	4.55" (115.6)
B	1.55" (39.4)	1.55" (39.4)	1.55" (39.4)	1.55" (39.4)
C	1.57" (39.9)	1.57" (39.9)	1.57" (39.9)	1.57" (39.9)



Porcelain

Plastic

# Lampholders, Starters and Adapters

## Fluorescent Lampholders



### Compact Fluorescent Lampholders



Catalog Number	RL479HSM	RL413HSI	RL413HSM	RL426G24	RL42G11HSM	RL42G11H9	RL42G11C
Description	G23 base	GX23 base	GX23 base	G24Q-3, GX24Q-4	2G11 base, 4 pin	2G11 base, 4 pin	Clip for 2G11 lampholders base
Lamp Type	5W, 7W, 9W	13W	13W	26-32W	18-55W	18-55W	
Rating	75W 600V	75W 600V	75W 600V	75W 600V	75W 600V	75W 600V	
Mounting	Horizontal, screw-down	Horizontal, snap-in	Horizontal, screw-down	Horizontal, screw-down	Horizontal, screw-down	Vertical 90°, snap-in	Adjustable, snap-in

### High Output Fluorescent Lampholders



Catalog Number	RL305*	RL306*	RL307	RL308	RL356	RL357
Description	Plunger	Fixed	Plunger	Fixed	Plunger	Fixed
Lamp Type	Horizontal - Recessed double contact	Vertical - Power groove & jacketed lamps	Vertical - Power groove & jacketed lamps			
Rating	660W 600V	660W 600V				
Mounting	Pedestal, slide-on	Pedestal, slide-on	Slide-on, snap-in	Slide-on, snap-in	Slide-on, snap-in	Slide-on, snap-in

### Medium Bi-Pin Fluorescent Lampholders - T8 and T12



Catalog Number	RL320	RL325	RL325B
Description	Disconnect, 4-wire	Disconnect, 4-wire	Shunted, 2-wire
Lamp Type	Bi-pin/tall profile	Bi-pin/low profile	Bi-pin/low profile
Rating	660W 600V	660W 600V	660W 600V
Mounting	Slide-on and snap-in with captive nut	Slide-on and snap-in with captive nut	Slide-on and snap-in

### Slimline Type Fluorescent Lampholder

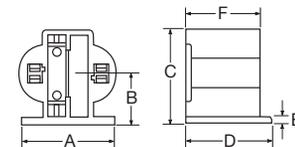


Catalog Number	RL310*	RL311*
Description	Plunger	Fixed
Lamp Type	Single pin	Single pin
Rating	660W 600V	660W 600V
Mounting	Slide-on and snap-in	Slide-on and snap-in

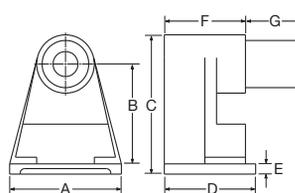
Note: \*UL and cUL.

### Product Dimensions Inches (mm)

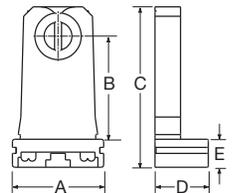
	RL479HSM	RL413HSI	RL413HSM	RL426G24	RL42G11HSM	RL42G11H9
A	1.28" (32.5)	0.77" (19.5)	1.28" (32.5)	1.31" (33.3)	1.83" (46.5)	1.32" (33.5)
B	0.69" (17.5)	0.69" (17.5)	0.69" (17.5)	1.13" (28.7)	0.83" (21.0)	1.14" (29.0)
C	1.28" (32.5)	1.28" (32.5)	1.28" (32.5)	1.54" (39.1)	-	1.92" (48.7)
D	1.28" (32.5)	1.35" (34.3)	1.16" (29.5)	-	0.94" (24.0)	-
E	0.09" (2.3)	-	0.09" (2.3)	0.16" (4.0)	-	0.16" (4.0)



	RL305	RL306	RL310	RL311
A	1.45" (36.8)	1.45" (36.8)	1.54" (39.1)	1.31" (33.3)
B	1.20" (30.5)	1.20" (30.5)	1.50" (38.1)	1.13" (28.7)
C	1.90" (48.3)	1.90" (48.3)	1.90" (48.3)	1.54" (39.1)
D	1.26" (32.0)	1.26" (32.0)	-	-
E	0.14" (3.6)	0.14" (3.6)	0.14" (3.6)	0.16" (4.1)
F	1.12" (28.4)	1.12" (28.4)	0.75" (19.1)	1.20" (30.5)
G	0.75" (19.1)	-	1.12" (28.4)	-



	RL320	RL325/B
A	1.23" (31.2)	1.23" (31.2)
B	1.75" (44.5)	1.28" (32.5)
C	2.14" (54.4)	1.65" (41.9)
D	-	0.70" (17.8)
E	0.38" (9.7)	0.37" (9.4)



# Lampholders, Starters and Adapters



## Incandescent Lampholders

### HID Incandescent Lampholders, Porcelain Keyless



Catalog Number	RL4221*	RL5221	RL3742	3743R
Description	Mogul base	Mogul base	Medium base prefocus, porcelain, white	Medium base, thermoplastic, black
Lamp Type	E39 socket	EX39 socket	Bayonet socket	Bayonet HID socket
Rating	1500W 600V Max, 4KV or 5KV PULSE	1500W 600V Max, 5KV PULSE	1200W 250V	1000W 250V
Mounting	Screw mount, 12 inch leads	Screw mount, 12 inch leads	Screw mount	Screw mount

Note: \*UL Listed, CSA Certified.

### Straight Body, Porcelain Keyless



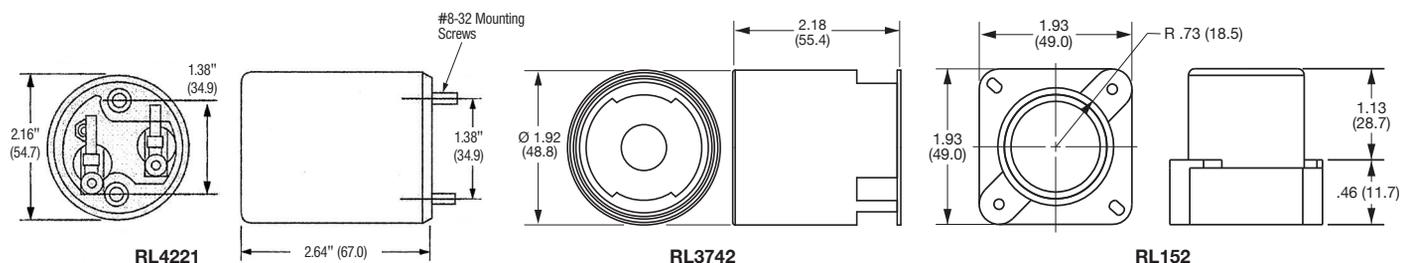
Catalog Number	RL162	RL156	RL157	RL160	RL158	RL159
Description	Medium base	Medium base	Medium base	Medium base	Medium base, low profile	Medium base, shallow base
Lamp Type	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket
Rating	660W 250V	660W 250V	660W 250V	660W 250V	660W 250V	660W 250V
Mounting	Screw mount, screw terminals	Screw mount, 12 inch leads	NPSF1/8 hickey with terminals	NPSF1/8 hickey with 12 inch leads	Front panel mount, snap-in	Front panel mount, snap-in

### Surface and Sign Mount, Medium Base



Catalog Number	RL152	RL153	RL161	RL163	RL164
Description	Medium base, porcelain, pony cleat	Medium Base, plastic, black, pony cleat	Medium base, porcelain	Medium base, porcelain	Medium base, porcelain
Lamp Type	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket
Rating	660W 600V	660W 250V	660W 250V	660W,250V	660W 250V
Mounting	1 piece, surface mount	1 piece, surface mount	2 piece, surface mount	2 piece, sign mount with leads	2 piece, sign mount with terminals

### Product Dimensions Inches (mm)



# Lampholders, Starters and Adapters



## Lampholder Accessories

### Incandescent Lampholders, Medium Base



Catalog Number	RL124*	RL124H	RL202
Description	Pigtail medium base socket with 6 inch leads, rubber with #18 gauge wire	Phenolic medium base socket with hook, insulation piercing termination	Medium lampholder to lampholder adapter, pull chain with two 2-prong outlets without ground
Rating	660W 250V	660W 250V	660W 125V 15A 125V

Note: \*cCSAus Certified only.

### Incandescent Adapters, Medium Base



Catalog Number	RL150	RL154	RL200	RL201
Description	Medium to medium base extension, screw-in, E26 to E26 socket	Mogul to medium base adapter, screw-in, E39 to E26 socket	Outlet adapter, 2-prong plug to medium lampholder	Medium lampholder adapter, medium lampholder to outlet without ground
Rating	250W 250V	660W 250V	15A 660W 125V, 15A 125V, NEMA 1-15R	15A 125V, NEMA 1-15R

### Lamp Switches



Catalog Number	RL120	RL121	RL122	RL125
Description	Pull chain switch, 2 circuit, L1/L2/L1+L2/OFF	Pull chain switch, SPST ON/OFF	Pull chain switch, L1/L2/L3/OFF	Rotary switch, SPST ON/OFF
Rating	6A 125V AC, 3A 250V AC, 3A 125V "L"	6A 125V AC, 3A 250V AC, 3A 125V "L"	6A 125V AC, 3A 250V AC	6A 125V AC, 3A 250V AC, 3A 125V "L"

Note: 6 inch wire leads are #18 AWG AWM/TEW 105°C 600V.

### Snap-in Receptacles



Catalog Number	RR374	RR374W
Description	Single receptacle, black	Single receptacle, white
Rating	15A 125V, 3-wire NEMA 5-15R	15A 125V, 3-wire NEMA 5-15R

- Accommodate panel thickness of .031 to .062 inch (0.7 to 1.5 mm)
- Panel cutout .95 x .95 inch (24.1 x 24.1 mm)
- #14 AWG 6 inch AWM/TEW FT1 105°C 600V on black and white leads
- #14 AWG 6 inch AWM/TEW FT1 600V on green lead

# Lampholders, Starters and Adapters

## Fluorescent Starters and Technical Information



### Fluorescent Starters, Standard Type



Catalog Number	FS2A	FS4A	FS5A	FS25A
Number of Pins	2	2	2	2
Lamp Watts	14, 15 and 20	13, 30 and 40	4, 6 and 8	25



### Technical Information

RL5221 HID Incandescent Lampholder

RL426G24 Compact Fluorescent Lampholder

Specification

Specification

Rating 1500W 600V Max, 5KV Pulse

Rating 26-32W lamp type, 75W 600V

Mechanical

Mechanical

Material  
Glazed porcelain body with ceramic arc shield  
Screw shell: Brass with nickel plate

Material  
High Strength Polycarbonate

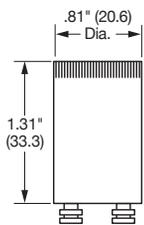
Terminal Accommodation

Terminal Accommodation

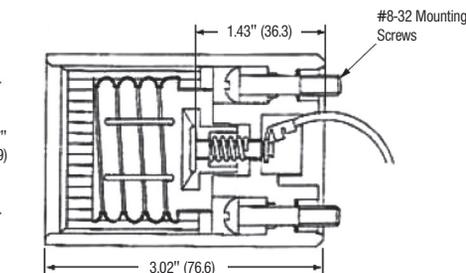
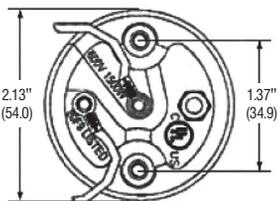
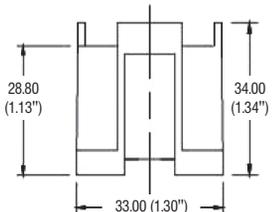
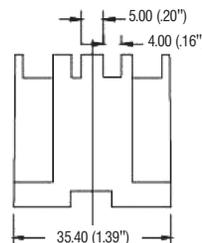
Wire leads: #14 AWG SF-2 (SEW-2) 200°C, 600V glass braid, 12 inch long, stripped 1/8 inch wire. Mogul Base EX39 lampholder used with ANSI type "o" metal halide lamps, open-rated protected lamps, for use in open or enclosed luminaires. "EX" style exclusionary base designed specifically for operation with protected sockets.

Suitable as G24Q-3 or GX24Q4 type base, horizontal mount, screw down. Push-in wire terminals for #18 AWG solid or twist and tin stripped 7/16 inch wire. Maximum 6.5 inch lbs conductor insertion force. Wiring port accepts 2 wires for harness wiring.

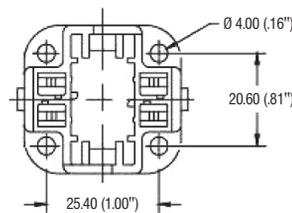
### Product Dimensions Inches (mm)



Fluorescent Starters



RL5221



RL426G24

# Section P

## Delivery Systems

Table of Contents	Page
<b>Countertop Pop-Up Receptacles</b>	
Product Features . . . . .	P-2
15 & 20 Amp Tamper-Resistant Countertop Receptacles . . . . .	P-3
<b>Floor Boxes</b>	
Floor Boxes for Structural Wood Floors . . . . .	P-4
Floor Boxes for Structural Concrete Floors . . . . .	P-5
Product Dimensions . . . . .	P-5
<b>Under Cabinet/Counter Power and Low Voltage Device Distribution</b>	
Slim Fit and GFCI Fit Boxes . . . . .	P-6
Vertical or Horizontal Mount and Product Dimensions . . . . .	P-6
<b>Metal Raceway</b>	
HBL500, HBL700 and HBL750 Series . . . . .	P-7
HBL2000 Series . . . . .	P-9
<b>Metal PlugTrak®</b>	
15 and 20 Amp 125V . . . . .	P-10
Tamper-Resistant and USB Ports . . . . .	P-10
<b>Accessories</b>	
Thermoplastic Communication Frames . . . . .	P-11
<b>Technical Information</b>	
Wire Fill Capacity . . . . .	P-12
Specifications . . . . .	P-12
<b>Aluminum Service Poles</b>	
Aluminum Series Offering . . . . .	P-13
<b>FloorTrak® Floor Cable Covers</b>	
FloorTrak® FT2, FT3, FT4, FT10 Series and Accessories . . . . .	P-14
Product Dimensions and Specifications . . . . .	P-14



# Delivery Systems

## Countertop Pop-Up Receptacles

### Countertop Receptacles

Hubbell Pop-Up Receptacles for countertops provide a power source ideal for kitchen and bath counters and islands. Hubbell is the first to market a countertop receptacle that is UL Listed. It allows compliance with NEC® 406.5(E) [countertops], 406.5(F) [work surfaces], and 406.5(H) [seating areas]. Pop-Up Receptacles are tested and water resistant to a half gallon spill. The receptacles feature Hubbell's patent pending silicone gaskets and patented cam action tamper-resistant technology. The compact design minimizes space required on the countertop as well as underneath in the cabinet area.



### Because Spills Happen



### Hubbell Countertop Receptacles are Spill Test Compliant

Hubbell Countertop Receptacles are the first pop-up receptacles UL listed for countertop applications and permanent installations.

#### UL 498 Section 146

Built and listed to be water resistant to a half gallon of liquid spilled on the device.



#### Housing Design

- Features two water and tamper-resistant receptacles
- Surface or flush mount options
- Self sealing silicone gaskets at the receptacle face
- Compact design



#### Installation

- Easy installation - simply drop it in and tighten
- Permanent installation ready (suitable for MC cable or non-metallic sheath cable)



#### Safety

- Self sealing silicone gaskets at the receptacle face
- Easy push down to pop-up function is rated for a minimum of 10,000 cycles (OPEN/CLOSE)



#### Covers

- Seven different finishes available

### Mounting Installation

Surface  
Flange with chamfer



Flush  
Flange without chamfer



NEC® is a registered trademark of the National Fire Protection Association (NFPA).



### 15 Amp Countertop Receptacles

Description	Finish	Color/Material	Surface Mount	Flush Mount
15A 125V Tamper-Resistant Pop-Up Kitchen Counter Receptacle, Rated for 20A circuits	Brushed	Aluminum Brass Nickel	<b>RCT200ALU</b> <b>RCT200BR</b> <b>RCT200NI</b>	<b>RCT201ALU</b> <b>RCT201BR</b> <b>RCT201NI</b>
	Polished	Chrome	<b>RCT200CH</b>	<b>RCT201CH</b>
	Powder Coated	Bronze Matte Black Matte White Matte	<b>RCT200BZE</b> <b>RCT200BK</b> <b>RCT200W</b>	<b>RCT201BZE</b> <b>RCT201BK</b> <b>RCT201W</b>



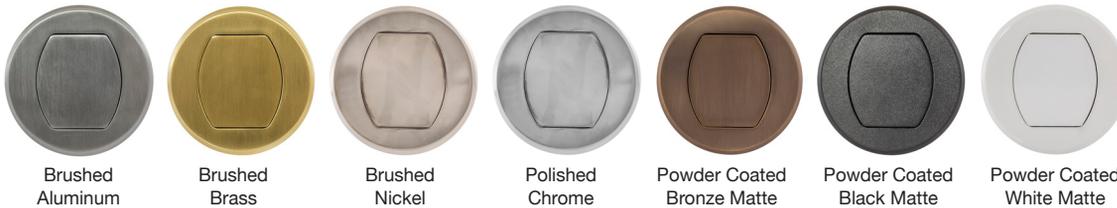
RCT200BK



RCT221ALU

### 20 Amp Countertop Receptacles

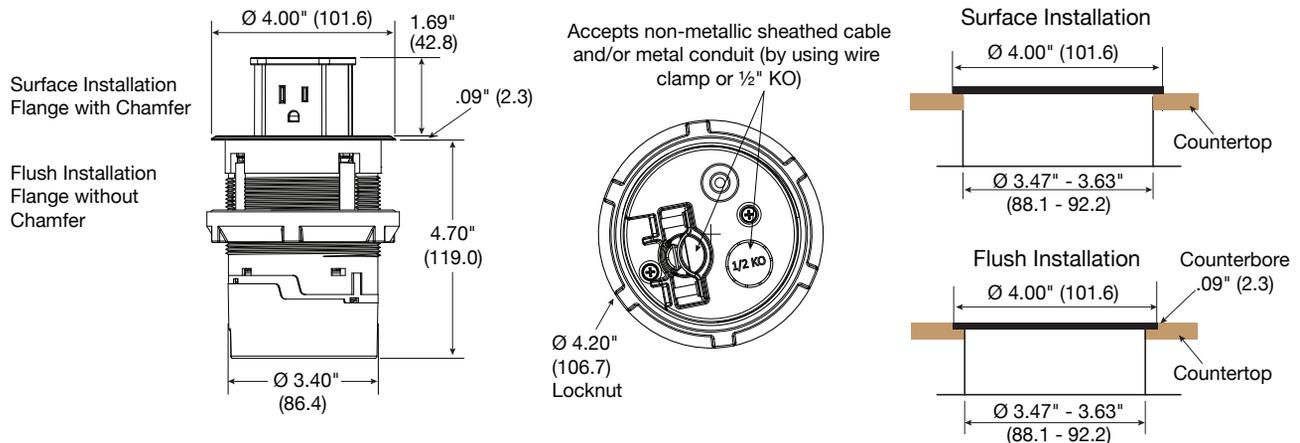
Description	Finish	Color/Material	Surface Mount	Flush Mount
20A 125V Tamper-Resistant Pop-Up Kitchen Counter Receptacle.	Brushed	Aluminum Brass Nickel	<b>RCT220ALU</b> <b>RCT220BR</b> <b>RCT220NI</b>	<b>RCT221ALU</b> <b>RCT221BR</b> <b>RCT221NI</b>
	Polished	Chrome	<b>RCT220CH</b>	<b>RCT221CH</b>
	Powder Coated	Bronze Matte Black Matte White Matte	<b>RCT220BZE</b> <b>RCT220BK</b> <b>RCT220W</b>	<b>RCT221BZE</b> <b>RCT221BK</b> <b>RCT221W</b>



### Specifications

Performance		Materials	
Configuration	15/20 amp 125 volt, tamper-resistant receptacle	Cover and Flange	Die cast aluminum
Circuit Rating	20 amp non-feed through	Main Body	Engineered thermoplastic PBT
Listings	cULus Listed to UL498, Section 145 Mechanical Load Test, 146 Spill Test	Wiring Chamber	Die cast aluminum
Dielectric Voltage	Withstands 2,000V minimum	Water Seals	Elastomers and silicon
Terminal Accommodation	#14-#12 AWG copper stranded or solid conductor only		
Terminal Identification	Terminals identified in accordance with UL 498 and CSA		
Flammability	UL 94V-2		
Operating Temperature	Maximum continuous 75°C, minimum -40°C (w/o impact)		

### Product Dimensions Inches (mm)



Note: Recommended to be fed by a GFCI circuit, up to 20 Amp Service.

## Floor Boxes for Structural Wood Floors



Wood floor boxes allow for the placement of electrical power or a combination of power and voice/data devices. Boxes easily mount into the floor and are height adjustable (up to 3/4 inch) for optimal alignment and fit.

- Recessed receptacle minimizes plug protrusion, allows furniture to be located over the plug
- Pre-assembled flange and cover
- Removable neoprene gaskets
- Optional low voltage divider
- Height accessible adjustments after the box is mounted

## Floor Boxes for Wood Floors



Rating	Material	Finish	Decorator Duplex Receptacle, Floor Box Kit	Flange and Hinged Door Cover Assembly	Replacement Door Only	Adjustable Floor Box, Steel	Drop in Floor Box	Single Receptacle, Floor Box Rated	Duplex Receptacle, Display Rated	
NEMA 5-15, 15A 125V 	Solid Brass	Clear Lacquer	<b>RF515BR</b>	<b>RF506BR</b>	<b>RF507BR</b>	—	<b>RF151R</b>	<b>RF151TR</b>	<b>RF6500BR</b>	
	Aluminum	Stainless Paint	<b>RF515SS</b>	<b>RF506SS</b>	<b>RF507SS</b>	—	—	—	—	
	Aluminum	Almond Paint	<b>RF515AL</b>	<b>RF506AL</b>	<b>RF507AL</b>	—	—	—	—	
	Aluminum	Black Paint	<b>RF515BK</b>	<b>RF506BK</b>	<b>RF507BK</b>	—	—	—	—	
	Aluminum	Chestnut Brown	<b>RF515BN</b>	<b>RF506BN</b>	<b>RF507BN</b>	—	—	—	—	
	Solid Brass	Brass Plate	<b>RF515BP</b>	<b>RF506BP</b>	<b>RF507BP</b>	—	—	—	—	
	Aluminum	Chrome Plate	<b>RF515CH</b>	<b>RF506CH</b>	<b>RF507CH</b>	—	—	—	—	
	Aluminum	Copper Plate	<b>RF515CU</b>	<b>RF506CU</b>	<b>RF507CU</b>	—	—	—	—	
	Aluminum	Nickel Plate	<b>RF515NI</b>	<b>RF506NI</b>	<b>RF507NI</b>	—	—	—	—	
	Steel	—	—	—	—	<b>RF500</b>	—	—	—	
	NEMA 5-20, 20A 125V 	Solid Brass	Clear Lacquer	—	—	—	—	<b>RF201R</b>	—	—

Note: See page P-3 for dimensional art.

## JLOAD® Multimedia Outlet (for use with RF500 and RF400 series)



Rating	Color	JLOAD® Multimedia Outlet, Tamper-Resistant, Provides Power in a Single-Gang Box		JLOAD® Multimedia Box, Steel for Wall Mount Only
		with Cat. 5e and Coaxial	with Two Open Ports	
NEMA 5-15, 15A 125V 	Black	<b>RJ650BKTR</b>	<b>RJ65BKTR</b>	<b>RJ600</b>
	Gray	<b>RJ650GYTR</b>	<b>RJ65GYTR</b>	
	Ivory	<b>RJ650ITR</b>	<b>RJ65ITR</b>	
	Light Almond	<b>RJ650LATR</b>	<b>RJ65LATR</b>	
	White	<b>RJ650WTR</b>	<b>RJ65WTR</b>	
NEMA 5-20, 20A 125V 	Black	<b>RJ620BKTR</b>	<b>RJ62BKTR</b>	<b>RJ600</b>
	Gray	<b>RJ620GYTR</b>	<b>RJ62GYTR</b>	
	Ivory	<b>RJ620ITR</b>	<b>RJ62ITR</b>	
	Light Almond	<b>RJ620LATR</b>	<b>RJ62LATR</b>	
	White	<b>RJ620WTR</b>	<b>RJ62WTR</b>	

Note: See page R-6 for tamper-resistant description.

## Floor Boxes for Structural Concrete Floors



Round non-metallic floor box offers an economical solution for electrical power or a combination of power and voice/data applications. Designed for slab-on-grade installation. Quick and easy installation is assured using a push in place leveling system.

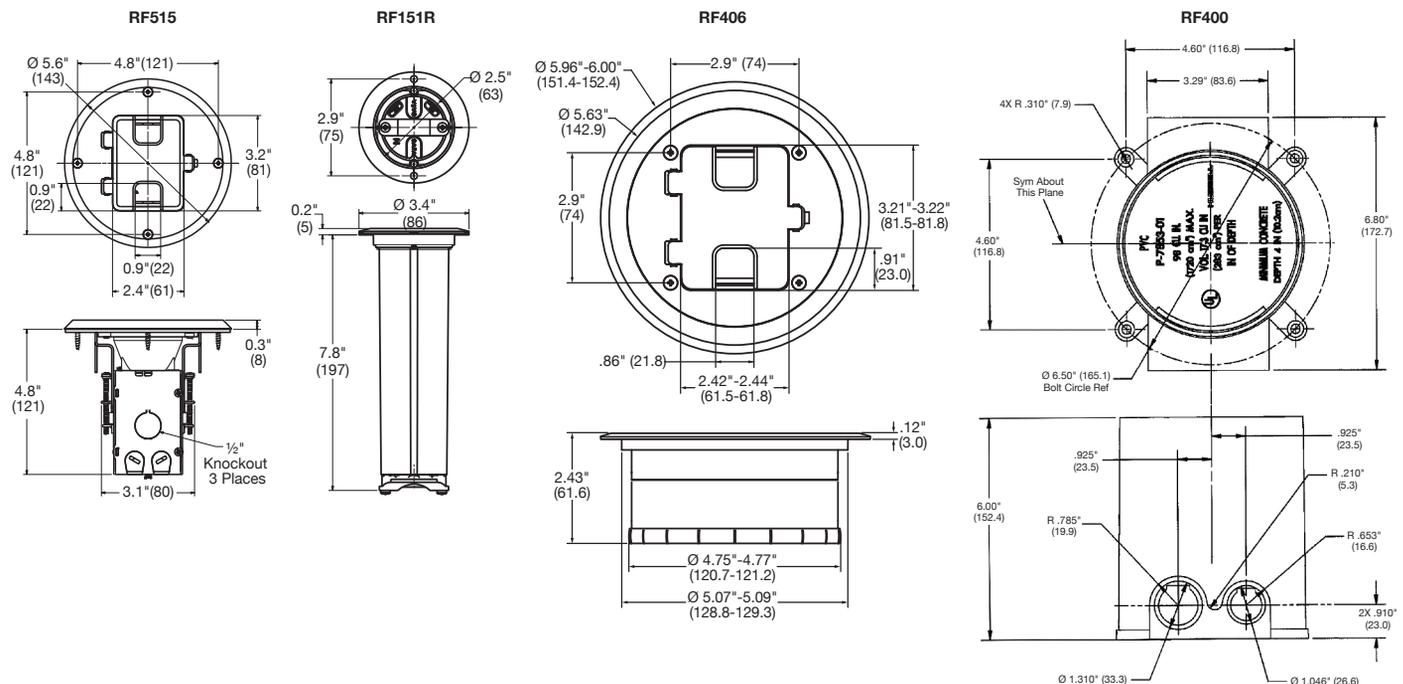
- Recessed receptacle minimizes plug protrusion, allowing furniture to be located over the plug
- Pre-assembled flange, cover and leveling ring for quick installation
- Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed
- Parallel PVC hubs for 1 inch and 3/4 inch conduit

### Floor Boxes For Concrete Floors



Rating	Material	Color/Finish	Flange and Hinged Door Cover Assembly	Tile Ring and Door Cover Assembly	Floor Box with Concrete Protective Cover	Replacement Door Only	Low Voltage Divider
NEMA 5-15, 15A 125V 	Brushed Aluminum	—	<b>RF406ALU</b>	—	—	—	—
	Brushed Brass Plate Solid Brass	Clear Lacquer	<b>RF406BP</b>	<b>RF409BR</b>	—	—	—
	Thermoplastic	Almond	—	—	—	<b>RF407BR</b>	—
	Thermoplastic	Black	<b>RF406BK</b>	—	—	—	—
	Thermoplastic	Chestnut Brown	<b>RF406BN</b>	—	—	<b>RF407BK</b>	—
	Thermoplastic	Gray	<b>RF406GY</b>	—	—	—	—
	PVC	Gray	—	—	<b>RF400</b>	—	<b>RF408</b>

### Product Dimensions Inches (mm)



## Under Cabinet/Counter Power and Low Voltage Device Distribution



Under Cabinet/Counter Boxes provide a convenient, out-of-sight way to distribute power and voice/data. These boxes comply with the NEC® for kitchen receptacles, with placement not more than 20 inches above the counter surface. They can also be placed under counter islands, not lower than 15 inches from the surface.

- Use the new JLOAD® Multimedia Outlet, specifically designed to provide power, Category 5e and coaxial. Perfect for under cabinet TV, DVD and security systems. Enables multiple service in a small area.
- Instead of compromising the decorative look of a granite backsplash or designer tiling, hide receptacles beneath cabinets and counters
- Available with nylon or metal cover
- Custom configurable, accepts any decorator style device
- Mounting hardware included

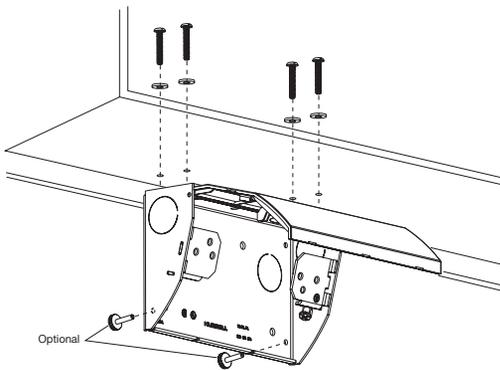
### Under Cabinet/Counter Power Distribution



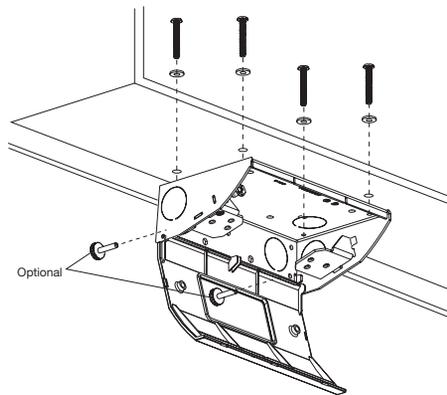
Material	Color	Slim fit box, offers the slimmest, sleekest, most stylish option for low profile, out-of-sight mounting, devices sold separately	GFCI fit box, designed for GFCI or JLOAD® accommodation where internal wiring space is needed, devices sold separately
Stainless Steel	—	<b>RU100SS</b>	<b>RU200SS</b>
Metal	White	<b>RU100W</b>	<b>RU200W</b>
Nylon	White	<b>RU170W*</b>	<b>RU270W*</b>

Note: \*Steel box with nylon cover.

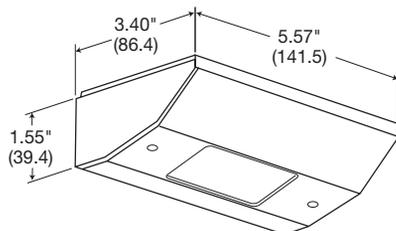
### Vertical Mount



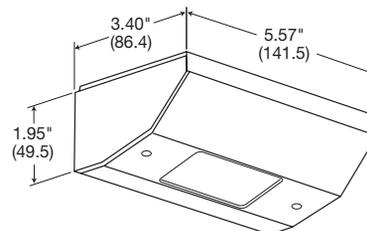
### Horizontal Mount



### Product Dimensions Inches (mm)



Slim Fit Box



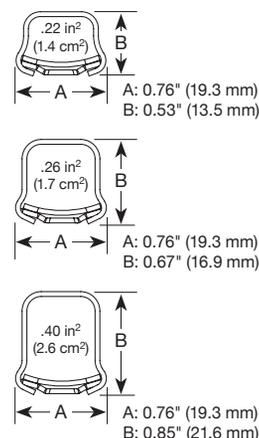
Gfci Fit Box

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

## HBL500, HBL700 and HBL750 Series Metal Raceway



	HBL500	HBL700	HBL750
Color	Base and Cover, 10 Ft.		
Ivory	<b>HBL50010IV</b>	<b>HBL70010IV</b>	<b>HBL75010IV</b>
White	<b>HBL50010W</b>	<b>HBL70010W</b>	<b>HBL75010W</b>
Color	Base and Cover, 5 Ft.		
Ivory	<b>HBL5005IV</b>	-	<b>HBL7505IV</b>
White	-	-	-



Note: See page P-9 for plates and communication frames.

## HBL500, HBL700 and HBL750 Series Fittings

Raceway Fittings	Color	Internal Elbow	External Elbow	90° Flat Elbow	45° Flat Elbow	Raceway Fittings	Color	Flat Elbow 1½" Bend Radius
HBL500	Ivory White	<b>HBL517IV</b> <b>HBL517W</b>	<b>HBL518IV</b> <b>HBL518W</b>	<b>HBL511IV</b> <b>HBL511W</b>	<b>HBL512IV</b> -	HBL500, HBL700 & HBL750	Ivory White	<b>HBL5711BRIVA</b> -
HBL700 & HBL750	Ivory White	<b>HBL717IVA</b> <b>HBL717WA</b>	<b>HBL718IVA</b> <b>HBL718WA</b>	<b>HBL711IVA</b> <b>HBL711WA</b>	<b>HBL712IVA</b> -			

Raceway Fittings	Color	Internal Twisted Elbows For Double Turns at Right Angles		Internal Elbow 1½" Bend Radius	External Elbow 1½" Bend Radius	Tee Fitting	Tee Fitting
		Right Elbow	Left Elbow				1½" Bend Radius
HBL500, HBL700 & HBL750	Ivory White	<b>HBL5711RHIVA</b> <b>HBL5711RHWA</b>	<b>HBL5711LHIVA</b> <b>HBL5711LHWA</b>	<b>HBL5717BRIVA</b> -	<b>HBL5718BRIVA</b> -	<b>HBL5715IVA</b> <b>HBL5715WA</b>	<b>HBL5715BRIVA</b> -

Raceway Fittings	Color	Elbow Box Connector Right Angles to Boxes with ½" KO	Elbow Conduit Connector Right Angles to ½" Conduit	Combination ½" Connector No Offsetting Needed to 3¼" or 4" Box	Adjustable Offset Connector with Two ½" KOs	Entrance Connector ¾" KO and ¾" Chase Nipple	Corner Box, for Connecting HBL500 or HBL750 Raceway from Ceiling or Corner
HBL500, HBL700 & HBL750	Ivory White	<b>HBL5783IVA</b> -	<b>HBL5784IVA</b> -	<b>HBL5785AIVA</b> <b>HBL5785AWA</b>	<b>HBL5786IVA</b> <b>HBL5786WA</b>	<b>HBL5786AIVA</b> <b>HBL5786AWA</b>	<b>HBL5719IVA</b> <b>HBL5719WA</b>

Raceway Fittings	Color	Transition Fitting* Wiremold® to Bryant	Mounting Strap	Connection Cover	Bushing, Zinc Plated Steel	Raceway Fittings	Color	Flexible Section 18" Long	Support Clip	Coupling, Galvanized Steel
HBL500	Ivory White	<b>HBL500TFIV</b> -	<b>HBL504IV</b> <b>HBL504W</b>	<b>HBL506IV</b> <b>HBL506W</b>	<b>HBL502B</b>	HBL500, HBL700 & HBL750	Ivory White	<b>HBL5700FIVA</b> <b>HBL5700FWA</b>	<b>HBL5703IV</b> <b>HBL5703W</b>	<b>HBL5701C</b>
HBL700	Ivory White	<b>HBL700TFIV</b> -	<b>HBL7004IV</b> <b>HBL7004W</b>	<b>HBL7006IV</b> <b>HBL7006W</b>	<b>HBL7002B</b>					
HBL750	Ivory White	<b>HBL750TFIV</b> -	<b>HBL7504IV</b> <b>HBL7504W</b>	<b>HBL7506IV</b> <b>HBL7506W</b>	<b>HBL7502B</b>					

Note: \*For transitioning from either Wiremold® V500 to Bryant HBL500 Raceway or Wiremold® V700 to Bryant HBL700 or HBL750 Raceway.

Wiremold® is a registered trademark of The Wiremold Company.

## HBL500, HBL700 and HBL750 Series Metal Raceway

### HBL500, HBL700 and HBL750 Series Device Boxes<sup>(1)</sup>

	Standard Device Box, 1 3/4" Deep						
	Color	1-Gang	2-Gang	3-Gang	4-Gang	5-Gang	6-Gang
	Ivory	HBL57481IVA	HBL57482IVA	HBL57483IVA	HBL57484IVA	HBL57485IVA	HBL57486IVA
	White	HBL5748WA	HBL57482WA	HBL57483WA	-	-	-
	Shallow Device Box, 1 3/8" Deep			Deep Device Box, 2 1/4" Deep			
	Color	1-Gang	2-Gang	3-Gang	1-Gang	2-Gang	3-Gang
	Ivory	HBL57471IVA	HBL57472IVA	HBL57473IVA	HBL5744SIVA	HBL5744S2IVA	HBL5744S3IVA
	White	HBL5747WA	HBL57472WA	-	HBL5744SWA	HBL5744S2WA	-
	Extra Deep Device Box, 2 3/4" Deep			Extension Box Open Base, 1 3/8" Deep			Extension Box, 1 3/4" Deep
	Color	1-Gang	2-Gang	3-Gang	1-Gang	2-Gang	3-Gang
	Ivory	HBL5744IVA	HBL57442IVA	HBL57443IVA	HBL5751IVA	HBL57512IVA	HBL57513IVA
	White	HBL5744WA	HBL57442WA	-	HBL5751WA	-	HBL5751AIVA
							HBL5751AWA

### HBL500, HBL700 and HBL750 Series Round Extension and Fixture Boxes<sup>(1)</sup>

	Round Extension Box, Open Base			Round Fixture Box, Solid Base			Blank Cover <sup>(3)</sup>
	Color	4 3/4" Dia.	5 1/2" Dia.	6 3/8" Dia.	4 3/4" Dia.	5 1/2" Dia.	6 3/8" Dia.
	Ivory	HBL5737IVA	HBL5737AIVA	HBL5739AIVA	HBL5738IVA	HBL5738AIVA	HBL5739IVA
	White	HBL5737WA	HBL5737AWA	-	HBL5738WA	HBL5738AWA	HBL5739WA
	Fanbox, Fans Up to 50 lbs.						Blank Cover, for Use with HBL5733IV
	Color						
	Ivory	HBL5738AFIVA					HBL5733IVA
	White	HBL5738AFWA					HBL5733IV
							-

### HBL500, HBL700 and HBL750 Series Specialty Boxes<sup>(1)</sup>

	Device Box, Low-Profile		Device Box, 1/2" side KOs			Blank Extension Box, Open Base			Utility Box, 1/2" KO	
	Color	1 1/8" Deep	1 3/4" Deep							
	Ivory	HBL5748SIVA	HBL5745IVA							
	White	HBL5748SWA	HBL5745WA							
	Alarm Device Box, 1 3/8" Deep		Alarm Device Box, Extra Deep 2 3/4"			Distribution Box, Mounting Screw Centers of 2 3/4", 3 1/2", 4 1/8"				
	Color									
	Ivory	HBL5752IVA	HBL5753IVA							
	Red	HBL5752RA	HBL5753RA							

### HBL500, HBL700 and HBL750 Series Fittings

Raceway Fittings	Box Connector		Conduit Connector		Grounding Clamp, for 1/2" Conduit	Special Nipple <sup>(2)</sup> for 1/2" Trade Size KOs	Armored Cable Connector	Ground Clamp	EMT 1/2" Connector <sup>(4)</sup>
	1/2" Male	3/4" Male	1/2" Female	3/4" Female					
	HBL5781	HBL5781A	HBL5782C	HBL5782A					
HBL500, HBL700 & HBL750				HBL5709GC	HBL5780	HBL5790B	HBL5709	HBL5791	

### HBL500, HBL700 and HBL750 Series Tools<sup>(2)</sup>

Raceway Tools	Cutter		Replacement Blade		Bender	Touch-Up Pen, Ivory and White		
	HBL500	HBL605CUT	HBL605K					
	HBL700	HBL700CUT	HBL700K				HBLIWEP	
	HBL750	HBL607CUT	HBL607K				HBLWWEP	

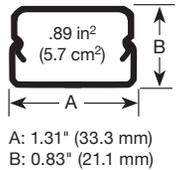
Note: <sup>(1)</sup> Allmond devices and plates match Ivory metal raceway.

<sup>(2)</sup> Not UL Listed or CSA Certified.

<sup>(3)</sup> For use with HBL5735IVA, HBL5737IVA, HBL5737AIVA, HBL5739AIVA, HBL5738IVA, HBL5738AIVA and HBL5739IVA.

<sup>(4)</sup> Use catalog number HBL5791 for connecting 1/2" EMT to all HBL700 Series round and rectangular boxes having a 1/2" trade size KO.

## HBL2000 Series Metal Raceway



Color	Base and Cover*, 5 Ft.	Cover*, 5 Ft.	Base, 5 Ft.
Ivory	<b>HBL2000BCIV</b>	<b>HBL2000CIV</b>	<b>HBL2000B5IV</b>
Gray	<b>HBL2000BCGY</b>	<b>HBL2000CGY</b>	<b>HBL2000B5GY</b>

Note: \*Cover is .025" thick for up to 300V AC applications.

## HBL2000 Series Metal Raceway Fittings<sup>(1)</sup>

Color	90° Flat Elbow	90° Flat Elbow, 1 1/2" Bend Radius	Tee Fitting	Tee Fitting, 1 1/2" Bend Radius	External Elbow Coupling	External Elbow, 1 1/2" Bend Radius	Internal Elbow, 1 1/2" Bend Radius
Ivory	<b>HBL2011IV</b>	<b>HBL2011BRIV</b>	<b>HBL2015IV</b>	<b>HBL2015BRIV</b>	<b>HBL2018CIV</b>	<b>HBL2018BRIV</b>	<b>HBL2017BRIV</b>
Gray	<b>HBL2011GY</b>	<b>HBL2011BRGY</b>	<b>HBL2015GY</b>	<b>HBL2015BRGY</b>	<b>HBL2018CGY</b>	<b>HBL2018BRGY</b>	<b>HBL2017BRGY</b>

Color	Blank End Fitting	Entrance End Fitting, 1/2" KOs	Entrance End Fitting, Large Capacity, 1/2" and 3/4" KOs	Cover Clip, to Hide Seams in Cover	Flush Plate Adaptor	Transition Fitting, Wiremold® to Bryant
Ivory	<b>HBL2010BIV</b>	<b>HBL2010A2IV</b>	<b>HBL2010A3IV</b>	<b>HBL2006IV</b>	<b>HBL2051HIV</b>	<b>HBL2000TFIV</b>
Gray	<b>HBL2010BGY</b>	<b>HBL2010A2GY</b>	<b>HBL2010A3GY</b>	<b>HBL2006GY</b>	<b>HBL2051HGY</b>	<b>HBL2000TFGY</b>

Color	Side Reducing Connector to HBL500	End Reducing Connector to HBL500	Coupling, Galvanized Steel	Internal Corner Coupling, Galvanized Steel	Wire Clip, Galvanized Steel	Support Clip, Galvanized Steel, Temporary Use Only	Ground Clamp, Galvanized Steel
Ivory	<b>HBL2089IV</b>	<b>HBL2089IV</b>	<b>HBL2001C</b>	<b>HBL2017TC</b>	<b>HBL2000WCA</b>	<b>HBL2003SC</b>	<b>HBL2009GC</b>
Gray	—	—					

## HBL2000 Series Device Boxes<sup>(1)</sup>

Color	Device Box 1-Gang, 1 3/4" Deep	Device Box 2-Gang, 1 3/4" Deep
Ivory	<b>HBL2048IV</b>	<b>HBL20482IV</b>
Gray	<b>HBL2048GY</b>	<b>HBL20482GY</b>

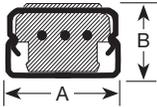
Note: <sup>(1)</sup> Almost devices and plates match ivory metal raceway.  
<sup>(2)</sup> Not UL Listed or CSA Certified.

## HBL2000 Series Tools<sup>(2)</sup>

Raceway Tools	Raceway Cutter	Cutter Replacement Blade Set	Touch-Up Paint Pen, Ivory and Gray
HBL2000	<b>HBL620C</b>	<b>HBL620BCK</b>	<b>HBLIWEP</b> <b>HBLGWEP</b>

Wiremold® is a registered trademark of The Wiremold Company.

## Metal PlugTrak® 15 and 20 Amp 125V



A: 1.31" (33.3 mm)  
B: 0.92" (23.4 mm)



### Metal PlugTrak®

Circuits	Size	Amps	No. of Single Receptacles	No. of USB Ports	Receptacle Spacing (in.)	Catalog Number	
						Ivory	Gray
Single	3 ft.	15A	6	—	6	<b>HBL20GB306IV</b>	<b>HBL20GB306GY</b>
TR/Single	3 ft.	15A	6		6	<b>HBL20GB306IVTR</b>	<b>HBL20GB306GYTR</b>
IG/Single	3 ft.	15A	6	—	6	<b>HBL20IG306IV</b>	<b>HBL20IG306GY</b>
USB/Single	3 ft.	15A	2		2	<b>HBL20GB312UIV</b>	—
Single	3 ft.	20A	6	—	6	<b>HBL24GB306IV</b>	<b>HBL24GB306GY</b>
TR/Single	3 ft.	20A	6		6	<b>HBL24GB306IVTR</b>	<b>HBL24GB306GYTR</b>
Single	5 ft.	15A	10	—	6	<b>HBL20GB506IV</b>	<b>HBL20GB506GY</b>
IG/Single	5 ft.	15A	10	—	6	<b>HBL20IG506IV</b>	<b>HBL20IG506GY</b>
Single	5 ft.	15A	5	—	12	<b>HBL20GB512IV</b>	<b>HBL20GB512GY</b>
TR/Single	5 ft.	15A	5		12	<b>HBL20GB512IVTR</b>	<b>HBL20GB512GYTR</b>
Two	5 ft.	15A	5	—	12	<b>HBL20GBA512IV</b>	<b>HBL20GBA512GY</b>
IG/Single	5 ft.	15A	5	—	12	<b>HBL20IG512IV</b>	<b>HBL20IG512GY</b>
Single	5 ft.	20A	10	—	6	<b>HBL24GB506IV</b>	<b>HBL24GB506GY</b>
Single	5 ft.	20A	5	—	12	<b>HBL24GB512IV</b>	<b>HBL24GB512GY</b>
TR/Single	5 ft.	20A	5		12	<b>HBL24GB512IVTR</b>	<b>HBL24GB512GYTR</b>
Two	5 ft.	20A	5	—	12	<b>HBL24GBA512IV</b>	<b>HBL24GBA512GY</b>
Single	6 ft.	15A	12	—	6	<b>HBL20GB606IV</b>	<b>HBL20GB606GY</b>
Single	6 ft.	15A	8	—	9	<b>HBL20GB609IV</b>	<b>HBL20GB609GY</b>
Single	6 ft.	15A	6	—	12	<b>HBL20GB612IV</b>	<b>HBL20GB612GY</b>
Single	6 ft.	15A	4	—	18	<b>HBL20GB618IV</b>	<b>HBL20GB618GY</b>
IG/Single	6 ft.	15A	12	—	6	<b>HBL20IG606IV</b>	<b>HBL20IG606GY</b>
USB/Single	6 ft.	15A	4		4	<b>HBL20GB612UIV</b>	—
Two	6 ft.	15A	8	—	9	<b>HBL20GBA609IV</b>	<b>HBL20GBA609GY</b>
Two	6 ft.	15A	6	—	12	<b>HBL20GBA612IV</b>	<b>HBL20GBA612GY</b>
Two	6 ft.	15A	4	—	18	<b>HBL20GBA618IV</b>	<b>HBL20GBA618GY</b>
Single	6 ft.	20A	12	—	6	<b>HBL24GB606IV</b>	<b>HBL24GB606GY</b>
Single	6 ft.	20A	6	—	12	<b>HBL24GB612IV</b>	<b>HBL24GB612GY</b>
Single	6 ft.	20A	4	—	18	<b>HBL24GB618IV</b>	<b>HBL24GB618GY</b>
Two	6 ft.	20A	6	—	12	<b>HBL24GBA612IV</b>	<b>HBL24GBA612GY</b>
Two	6 ft.	20A	4	—	18	<b>HBL24GBA618IV</b>	<b>HBL24GBA618GY</b>

### Metal PlugTrak® Boxes and Fittings



Description	Catalog Number
1-Gang device box	<b>HBL2048IV*</b>
2-Gang device box	<b>HBL20482IV*</b>
External elbow	<b>HBL2018CIV*</b>
Flat elbow	<b>HBL2011IV*</b>
Tee	<b>HBL2015IV*</b>

Description	Catalog Number
Cover clip	<b>HBL2006IV*</b>
Blank end fitting	<b>HBL2010BIV*</b>
Entrance end fitting	<b>HBL2010A2IV*</b>
Large entrance end fitting	<b>HBL2010A3IV*</b>

Description	Catalog Number
Supporting clip	<b>HBL2003SC**</b>
Coupling	<b>HBL2001C**</b>
Internal corner coupling	<b>HBL2017TC**</b>

Note: \*\*Galvanized Steel.

Note: \*Color shown is Ivory, for gray boxes and fittings, replace suffix IV with GY.

Almond devices and plates match ivory metal raceway.

Bryant Metal PlugTrak is supplied with two HBL2010B(IV) or (GY) Blank End Fittings and one HBL2001C.

Outlets match raceway color. "IG" isolated ground receptacles have an inked orange triangle.

See page R-6 for tamper-resistant description.

Metal PlugTrak® is a registered trademark of Hubbell incorporated.

# Delivery Systems

## Thermoplastic Communication Frames

### Nylon Wallplates Inches (mm)



Color	Gang	Switch	Duplex	Decorator	Blank	Box Mount	Strap Mount	Single Receptacle, 1.40" (35.6) Dia. Hole
Ivory	1	<b>P1I</b>	<b>P8I</b>	<b>P26I</b>		<b>P13I</b>	<b>P14I</b>	<b>P7I</b>
	2	<b>P2I</b>	<b>P82I</b>	<b>P262I</b>		<b>P23I</b>	<b>P24I</b>	—
	3	<b>P3I</b>	<b>P83I</b>	<b>P263I</b>		<b>P33I</b>	<b>P34I</b>	—
Gray	1	<b>P1GY</b>	<b>P8GY</b>	<b>P26GY</b>		<b>P13GY</b>	<b>P14GY</b>	<b>P7G</b>
	2	<b>P2GY</b>	<b>P82GY</b>	<b>P262GY</b>		<b>P23GY</b>	<b>P24GY</b>	—
	3	<b>P3GY</b>	—	<b>P263GY</b>		—	—	—

### Nylon Combination Wallplates



Color	Gang	1-Toggle, 1-Duplex	1-Toggle, 1-Decorator	Gang	2-Toggle, 1-Duplex	2-Toggle, 1-Decorator
Ivory	2	<b>P18I</b>	<b>P126I</b>	3	<b>P28I</b>	<b>P226I</b>
Gray	2	<b>P18GY</b>	<b>P126GY</b>	3	<b>P28GY</b>	<b>P226GY</b>

### Thermoplastic Communication Frames Inches (mm)



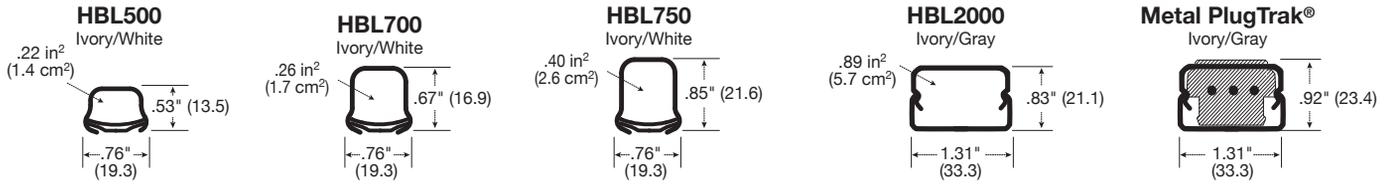
Color	Gang	2-Port Decorator Frame	3-Port Decorator Frame	4-Port Decorator Frame	6-Port Decorator Frame	Decorator, .41" (10.3) Dia. Hole	Decorator, Blank
Ivory	1	<b>NS612I</b>	<b>NS613I</b>	<b>NS614I</b>	<b>NS616I</b>	<b>NS621I</b>	<b>NS620I</b>
Gray	1	<b>NS612GY</b>	<b>NS613GY</b>	<b>NS614GY</b>	<b>NS616GY</b>	—	<b>NS620GY</b>

Note: Bryant's Audio/Video Connectors allow custom creation of multimedia outlets and workstations while maintaining a decorative look. See Network Wiring Section R for more information.

# Delivery Systems

## Technical Information

### Metal Raceway Profiles Quick Reference Guide Inches (mm)



### Metal Raceway Series Wire Fill Capacities

	Power (THHN/T90 Nylon)			Voice		Data (Copper Cables)					Data (Multimode Fiber Optic Cables)			
	#14 AWG	#12 AWG	#10 AWG	4-Pair	25-Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord	
Wire O.D. (inches)	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	0.12 x 0.24	
Wire Area (square in.)	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288	
Channel Area Square inches (cm <sup>2</sup> )	40% Wire Fill Capacity													
HBL500	0.22 (1.4)	7	5	3	2	0	1	2	1	1	1	2	8	2
HBL700	0.26 (1.7)	10	7	4	3	0	2	3	2	1	1	3	8	3
HBL750	0.40 (2.6)	12	9	5	6	1	3	5	3	2	2	6	15	6
HBL2000	0.89 (5.7)	7	7	0	13	3	8	10	7	4	5	13	33	12

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

### Metal PlugTrak® Specifications

Receptacle configuration	NEMA 5-15R
Wire size	#12 AWG stranded copper
Receptacle face	Thermoplastic
Receptacle rating	15A 125V
Material	Steel

### Codes/Standards

TIA/EIA	569B Commercial Building Standard for Telecommunications Pathways and Spaces
UL Standard	UL 5 Surface Metal Raceway and Fittings
UL File Number	E253976 / E253830 / E253833
CSA Standard Surface Metal	C22.2 No. 62 Surface Raceway Systems

Metal PlugTrak® is a registered trademark of Hubbell incorporated.

# Delivery Systems

## Aluminum Service Poles

### Aluminum Series Offering

Bryant offers a line of gray, ivory and clear anodized aluminum service poles. These attractive and durable poles effectively distribute power and telecommunications wiring from above the ceiling to workstations below. They are offered in lengths of 10' 2", 12' 2", and 15' 2" with a variety of electrical wiring devices. Poles with three service capability have a divider to separate power and low voltage wiring.

A blank pole with knockouts is also offered which does not have devices or wiring. In addition to a standard pole, which has two 20 amp duplex receptacles, an isolated ground or surge suppression version is also available. All poles, except the blank versions, are factory wired with Bryant Decorator Receptacles. Two decorator knockouts are also provided on the same side as the power receptacles for communication outlets.



### Ordering Information Feet (m)

Aluminum service poles, gray or ivory painted and clear anodized aluminum, decorator duplex receptacles and two decorator knockouts for communications, includes ceiling trim mounting plate and scuff boot.

Description	Height	Catalog Number		Clear Anodized Aluminum
		Gray	Ivory	
Three service, two 20A 125V decorator duplex receptacles, one circuit	10' 2" (3.10)	<b>BRYPP10A</b>	<b>BRYPP10AI</b>	<b>BRYPP10AAL</b>
	12' 2" (3.71)	<b>BRYPP12A</b>	<b>BRYPP12AI</b>	<b>BRYPP12AAL</b>
	15' 2" (4.62)	<b>BRYPP15A</b>	<b>BRYPP15AI</b>	<b>BRYPP15AAL</b>
Three service, one orange isolated ground 20A 125V decorator duplex receptacle, one 20A 125V decorator duplex receptacle, two circuits	10' 2" (3.10)	<b>BRYPP10IGA</b>	<b>BRYPP10IGAI</b>	—
Three service, two orange isolated ground 20A 125V decorator duplex receptacles, one isolated ground surge suppression 20A 125V duplex receptacle, one circuit	10' 2" (3.10)	<b>BRYPP10SA</b>	<b>BRYPP10SAI</b>	—
Three service, blank pole, divider, four decorator device knockouts	10' 2" (3.10)	<b>BRYPP0A</b>	<b>BRYPP0AI</b>	<b>BRYPP0AAL</b>
	12' 2" (3.71)	<b>BRYPP012A</b>	<b>BRYPP012AI</b>	<b>BRYPP012AAL</b>
	15' 2" (4.62)	<b>BRYPP015A</b>	<b>BRYPP015AI</b>	<b>BRYPP015AAL</b>
Adjustable T-bar assembly for mounting poles in the middle of ceiling tile		<b>BRYATB</b>	<b>BRYATB</b>	<b>BRYATB</b>
Replacement service pole trim kit (office white)		<b>BRYPPTRIM1</b>	<b>BRYPPTRIM1</b>	<b>BRYPPTRIM1</b>

Note: See Network Wiring Section Q for additional information on datacom products.

### Specifications Inches (mm)

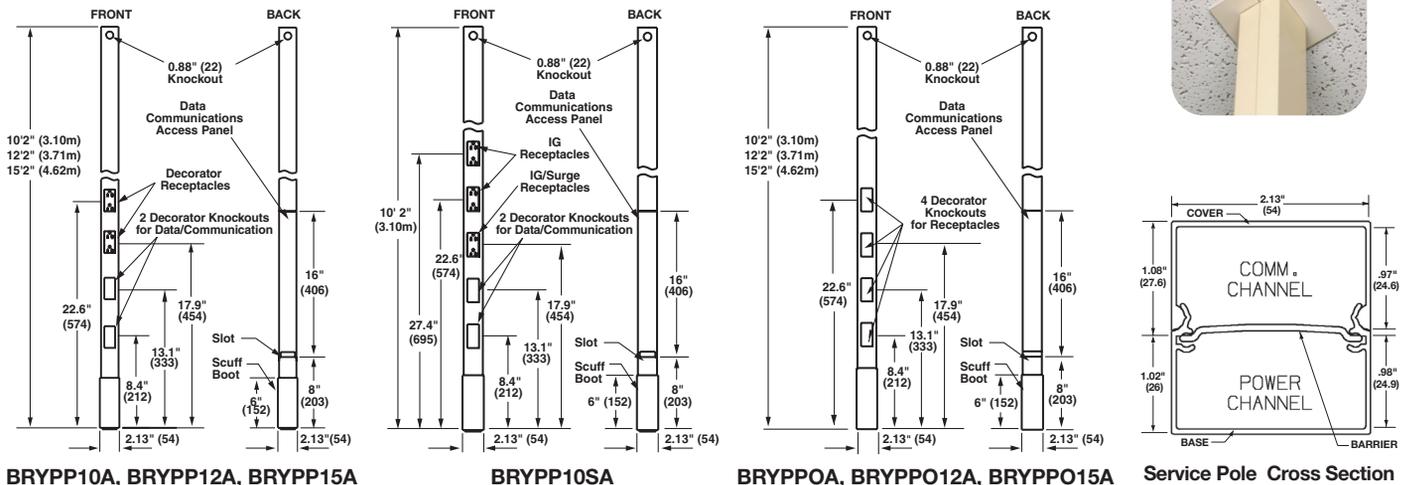
Material: Extruded aluminum, 0.05" (1.27mm) thick  
 Finish: Gray, ivory or clear anodized aluminum  
 Conductors: #12 AWG stranded copper

Receptacles: (see drawings below)  
 Listing: UL Listed

Wiring Capacity (@40% fill)	Voice Data Channel*			Power Channel**
	Cat. 5e	Cat. 6	Cat. 6A	
BRYPP10A, BRYPP12A, BRYPP15A: BRYPP10IGA	26	11	9	41
BRYPP10SA, BRYPP10SAI	8	6	3	41
BRYPP0A, BRYPP012A, BRYPP015A (with barrier)	26	11	9	41

Note: \*Pole wiring capacity (telephone fill): Cat. 5 UTP (1.96 sq. ft.).  
 \*\*#12 THHN stranded.

### Product Dimensions Inches (mm)



# Delivery Systems

## FloorTrak® Floor Cable Covers



FloorTrak® is a flexible, non-metallic cover for cables that run over the floor when portable cords and cables cannot be concealed or routed away from traffic patterns. FloorTrak protects, organizes and reduces trip hazards.

- Four different sizes mean it will handle cables of up to 1.25 inches (31.8mm) in diameter
- FT2, FT3 and FT4 are available in five PVC colors to blend with various decors
- FT10 is available in black and yellow colors only
- The F10 Heavy Duty FloorTrak is ideal for applications such as industrial work areas, food processing plants and abusive areas where cable management is necessary



### FloorTrak® 2 Feet (m)

Color	Length	Catalog Number
Black	10.0' (3.05)	<b>BRYFT2BK10</b>
Brown	10.0' (3.05)	<b>BRYFT2BR10</b>
Beige	10.0' (3.05)	<b>BRYFT2BG10</b>
Gray	10.0' (3.05)	<b>BRYFT2GY10</b>
Yellow	10.0' (3.05)	<b>BRYFT2Y10</b>



### FloorTrak® 3 Feet (m)

Color	Length	Catalog Number
Black	5.0' (1.52)	<b>BRYFT3BK5</b>
Black	25.0' (7.62)	<b>BRYFT3BK25</b>
Brown	5.0' (1.52)	<b>BRYFT3BR5</b>
Brown	25.0' (7.62)	<b>BRYFT3BR25</b>
Beige	5.0' (1.52)	<b>BRYFT3BG5</b>
Beige	25.0' (7.62)	<b>BRYFT3BG25</b>
Gray	5.0' (1.52)	<b>BRYFT3GY5</b>
Gray	25.0' (7.62)	<b>BRYFT3GY25</b>
Yellow	5.0' (1.52)	<b>BRYFT3Y5</b>
Yellow	25.0' (7.62)	<b>BRYFT3Y25</b>



### FloorTrak® 4 Feet (m)

Color	Length	Catalog Number
Black	5.0' (1.52)	<b>BRYFT4BK5</b>
Black	25.0' (7.62)	<b>BRYFT4BK25</b>
Gray	25.0' (7.62)	<b>BRYFT4GY25</b>
Yellow	5.0' (1.52)	<b>BRYFT4Y5</b>
Yellow	25.0' (7.62)	<b>BRYFT4Y25</b>



### FloorTrak® 10 (Heavy Duty) Feet (m)

Color	Length	Catalog Number
Black	3.0' (.914)	<b>BRYFT10BK3</b>
Black	5.0' (1.52)	<b>BRYFT10BK5</b>
Yellow	3.0' (.914)	<b>BRYFT10Y3</b>
Yellow	5.0' (1.52)	<b>BRYFT10Y5</b>

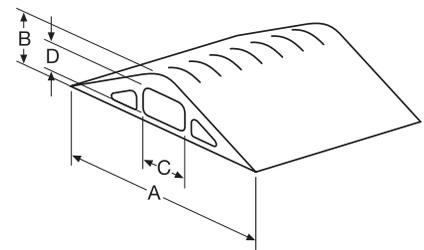


### Accessories

Description	Catalog Number
1.0" wide, 75 ft. roll double-sided adhesive tape	<b>BRYFTT1</b>
2.0" wide, 75 ft. roll double-sided adhesive tape	<b>BRYFTT2</b>

### Product Dimensions Inches (mm)

FloorTrak®	FT2	FT3	FT4	FT10 (Heavy Duty)
Width (A)	2.75" (69.9)	3.00" (76.2)	3.25" (82.6)	5.60" (142.2)
Height (B)	0.53" (13.5)	0.75" (19.1)	1.10" (27.9)	1.70" (43.2)
Center Hole (Cx D)	0.60" x 0.31" (15.2 x 7.9)	0.75" x 0.50" (19.1 x 12.7)	1.21" x 0.75" (30.7 x 19.1)	1.81" x 1.25" (45.98 x 31.75)



### Specifications

Material	Flexible/Rigid PVC
Operating temperature	0°F to +120°F (-18°C to +49°C)

# Section Q

## Wallplates and Covers

Table of Contents	Page
<b>Thermoplastic, Metal Wallplates and Extra-Duty While-In-Use Covers</b>	
Product Features . . . . .	Q-2
<b>Snap-On Wallplates</b>	
Decorator and Toggle . . . . .	Q-4
<b>Standard, Mid-Size and Jumbo Wallplates</b>	
Decorator . . . . .	Q-5
Toggle . . . . .	Q-6
Duplex Receptacles . . . . .	Q-7
Single Receptacles . . . . .	Q-8
Blank . . . . .	Q-9
Combination . . . . .	Q-10
Telephone and Coaxial Outlet . . . . .	Q-13
Jumbo Stainless Steel . . . . .	Q-14
Pre-Marked "EMERGENCY" and "ISOLATED GROUND" . . . . .	Q-15
Stainless Steel Barrel Key Switch Wallplates . . . . .	Q-16
Specialty Wallplates and Accessories . . . . .	Q-17
<b>Weatherproof Covers</b>	
Zinc Die Cast, 1 and 2-Gang, Vertical or Horizontal Mount . . . . .	Q-18
Zinc Die Cast Aluminum and Non-Metallic, 1-Gang, Vertical Mount . . . . .	Q-19
Non-Metallic, 1 and 2-Gang, Vertical Mount for Flanged Devices . . . . .	Q-20
Non-Metallic, 1 and 2-Gang, While-In-Use Covers . . . . .	Q-21
Extra Duty Metallic, 1 and 2-Gang, While-In-Use Covers . . . . .	Q-22
<b>Pool Pump and Generator Kits</b>	
Pool Pump Receptacle Kit . . . . .	Q-23
Generator Power Connection Kit . . . . .	Q-23
<b>Technical Information</b>	
Selection Chart . . . . .	Q-24
Material Specifications . . . . .	Q-25
Wallplate Dimensions . . . . .	Q-26
Custom Metal Wallplates . . . . .	Q-27



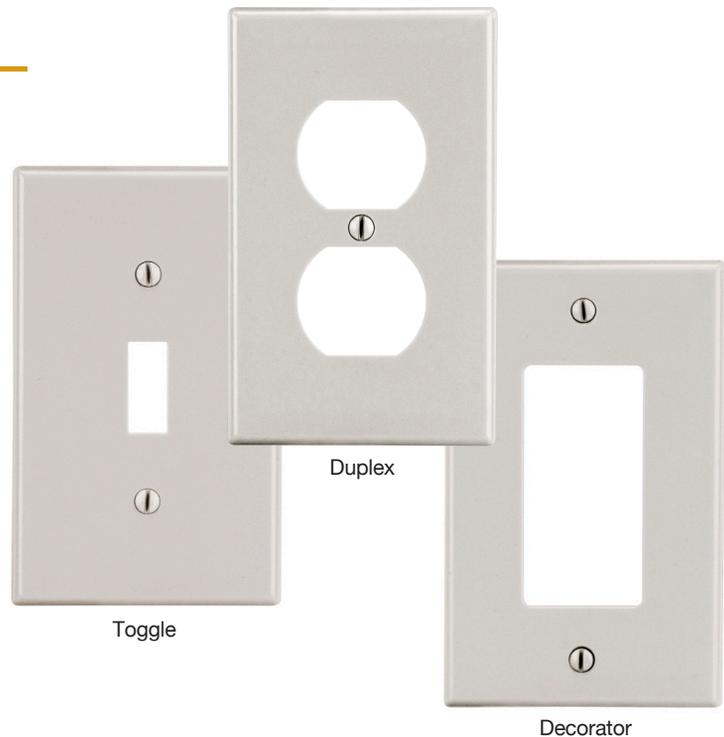
# Wallplates and Covers

## Non-metallic Wallplates

### Features and Benefits

Bryant's line of polycarbonate wallplates features larger standard sized wallplates to provide extra coverage to hide rough box opening, improved aesthetics, greater strength, impact resistance, along with easy to clean finish in all different types of environments.

- Standard size is  $\frac{1}{8}$  inch larger to give you extra coverage to hide rough box openings. Also available in mid-size, jumbo and pre-marked
- Smooth satin finish, blends into the wall
- More rigid, sharper lines
- Captive screw feature holds mounting screw in place for quick and easy installation, single gang
- High-impact polycarbonate thermoplastic is virtually unbreakable
- Smooth, easy to clean finish is highly resistant to solvents and cleaning solutions, providing long life in the harshest environments
- cULus listed



Bryant's standard sized wallplates are  $\frac{1}{8}$  inch larger to provide you that extra coverage to hide rough box openings. The depth is  $\frac{1}{4}$  inch so that it will comfortably fit over the device even on imperfect installations or on retrofit work. See page Q-26 for details and dimensions.

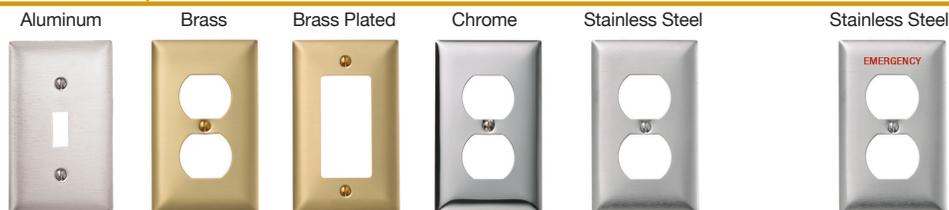
### Non-metallic Wallplates



### Non-metallic Pre-Marked Wallplates



### Metal Wallplates



# Wallplates and Covers

## Metal Wallplates and Extra-Duty Metallic While-In-Use Covers

### Stainless Steel Wallplates

Provide solutions for a variety of industrial and commercial applications.

#### 302/304 Type Stainless Steel

Non-magnetic: 18.0% Chromium  
8.0% Nickel

- Ideal for highly corrosive environments such as hospitals, food processing, static free requirements and more
- Environments subjected to heavy abuse

#### 430 Type Stainless Steel

Magnetic: 17.0% Chromium  
Less than 0.5% Nickel

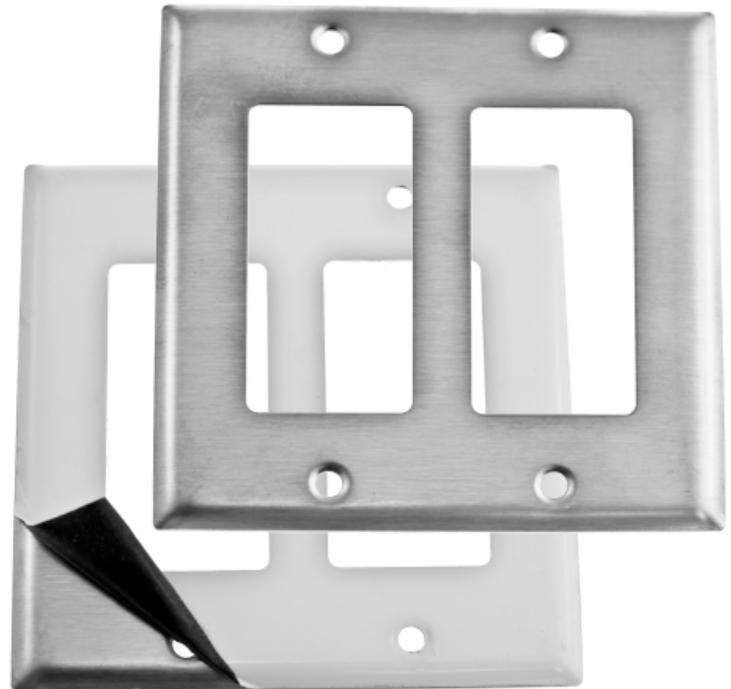
- Aesthetically identical to the 302/304 type stainless steel wallplates and are best suited for environments where corrosion resistance is less critical
- Standard commercial use

#### Smooth Solid Brass

- Provides a plush appearance with the durability of metal
- Finish is lacquer coated to inhibit oxidation

#### Anodized Aluminum

- Non-magnetic and corrosion resistance for a wide range of applications
- Finish is lacquer coated to inhibit oxidation



Decorator

(Protective plastic film helps to prevent scratches and damage)



### Extra-Duty Metallic While-in-Use Covers

These covers are designed for use whenever protection is required while an outlet is in use. Covers meet or exceed the extra-duty rating per UL 514D, and are NEMA 3R rated.

- Die-cast aluminum construction
- Powder coated “chip resistant” paint corrosion protection
- Unique plug management provision for securing device and cord

### 2020 National Electrical Code (NEC®) Requirement

406.9 Receptacles in Damp or Wet Locations.

#### 406.9 Receptacles in Damp or Wet Locations.

##### (B) Wet Locations

##### (1) Receptacles of 15 and 20 Amperes in a Wet Location.

Receptacles of 15 and 20 amperes, 125 and 250 volts installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be identified as “extra-duty.” Other listed products, enclosures, or assemblies providing weatherproof protection that do not utilize an outlet box hood need not be marked “extra-duty.”

All 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles shall be listed and so identified as weather-resistant type.

(2) Other Receptacles. All other receptacles installed in a wet location shall comply with 406.9(B)(2)(a) or (B)(2)(b).

(a) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.

(b) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.

NEC® is a registered trademark of the The National Electrical Code.

# Wallplates and Covers



## Snap-On Wallplates



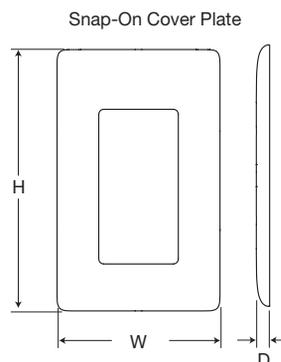
- Clean, elegant look
- No visible screws
- Snap-on cover plate completely covers sub-plate eliminating dirt build-up around the edges
- Snap-on cover plate hides any paint or scratches on sub-plate caused during installation
- Appearance is consistent with other Bryant wallplates
- Meets UL and CSA standards
- Smooth finish

## Snap-On Wallplates

Description		Color	Decorator Catalog Number	Toggle Catalog Number
1-Gang, 1-Decorator 	1-Gang, 1-Toggle 	Ivory Light Almond White	<b>NPS26I</b> <b>NPS26LA</b> <b>NPS26W</b>	<b>NPS1I</b> <b>NPS1LA</b> <b>NPS1W</b>
2-Gang, 2-Decorator 	2-Gang, 2-Toggle 	Ivory Light Almond White	<b>NPS262I</b> <b>NPS262LA</b> <b>NPS262W</b>	<b>NPS2I</b> <b>NPS2LA</b> <b>NPS2W</b>
3-Gang, 3-Decorator 	3-Gang, 3-Toggle 	Ivory Light Almond White	<b>NPS263I</b> <b>NPS263LA</b> <b>NPS263W</b>	<b>NPS3I</b> <b>NPS3LA</b> <b>NPS3W</b>
4-Gang, 4-Decorator 		Ivory Light Almond White	<b>NPS264I</b> <b>NPS264LA</b> <b>NPS264W</b>	- - -
1-Gang, 1-Duplex 		Ivory Light Almond White	<b>NPS8I</b> <b>NPS8LA</b> <b>NPS8W</b>	- - -

## Product Dimensions Inches (mm)

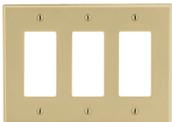
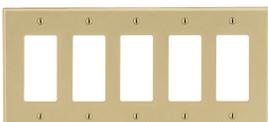
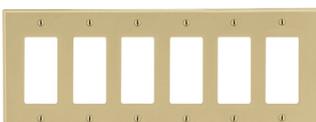
Gang	Height (H)	Width (W)	Depth (D)
1	4.75" (120.6)	3.00" (76.2)	.25" (6.35)
2	4.75" (120.6)	4.81" (122.2)	.25" (6.35)
3	4.75" (120.6)	6.62" (168.2)	.25" (6.35)
4	4.75" (120.6)	8.44" (214.3)	.25" (6.35)



# Wallplates and Covers

## Decorator Wallplates

### GFCI, USB, Surge Receptacles and Style Line® Device Wallplates

Description	Color	Thermoplastic			Material	Metal Catalog Number	
		Standard	Mid-Size	Jumbo			
	Black	<b>P26BK</b>	<b>PJ26BK</b>	-	Aluminum	①	
	Blue	-	<b>PJ26BL</b>	-	Brass	<b>SB26</b>	
	Brown	<b>P26</b>	<b>PJ26</b>	-	Brass Plated	<b>SBP26</b>	
	Gray	<b>P26GY</b>	<b>PJ26GY</b>	-	Chrome	<b>SCH26</b>	
	Ivory	<b>P26I</b>	<b>PJ26I</b>	<b>NPJJ26I</b>	S/S 302/304	<b>SS26</b>	
	Light Almond	<b>P26LA</b>	<b>PJ26LA</b>	<b>NPJJ26LA</b>	S/S 430	<b>SS26L</b>	
	Red	<b>P26R</b>	<b>PJ26R</b>	-			
	White	<b>P26W</b>	<b>PJ26W</b>	<b>NPJJ26W</b>			
	Black	<b>P262BK</b>	<b>PJ262BK</b>	-	Aluminum	①	
	Brown	<b>P262</b>	<b>PJ262</b>	-	Brass	<b>SB262</b>	
	Gray	<b>P262GY</b>	<b>PJ262GY</b>	-	Brass Plated	<b>SBP262</b>	
	Ivory	<b>P262I</b>	<b>PJ262I</b>	-	Chrome	<b>SCH262</b>	
	Light Almond	<b>P262LA</b>	<b>PJ262LA</b>	-	S/S 302/304	<b>SS262</b>	
	Red	<b>P262R</b>	<b>PJ262R</b>	-	S/S 430	<b>SS262L</b>	
	White	<b>P262W</b>	<b>PJ262W</b>	-			
		Black	<b>P263BK</b>	<b>PJ263BK</b>	-	Aluminum	①
Brown		<b>P263</b>	<b>PJ263</b>	-	Brass	①	
Gray		<b>P263GY</b>	<b>PJ263GY</b>	-	Brass Plated	<b>SBP263</b>	
Ivory		<b>P263I</b>	<b>PJ263I</b>	-	Chrome	①	
Light Almond		<b>P263LA</b>	<b>PJ263LA</b>	-	S/S 302/304	<b>SS263</b>	
Red		<b>P263R</b>	-	-			
White		<b>P263W</b>	<b>PJ263W</b>	-			
		Black	<b>P264BK</b>	-	-	Aluminum	①
	Brown	<b>P264</b>	-	-	Brass	①	
	Gray	<b>P264GY</b>	-	-	Brass Plated	①	
	Ivory	<b>P264I</b>	<b>PJ264I</b>	-	Chrome	①	
	Light Almond	<b>P264LA</b>	<b>PJ264LA</b>	-	S/S 302/304	<b>SS264</b>	
	White	<b>P264W</b>	<b>PJ264W</b>	-			
		Gray	<b>P265GY</b>	-	-	Aluminum	①
		Ivory	<b>P265I</b>	-	-	Brass	①
Light Almond		<b>P265LA</b>	-	-	Brass Plated	①	
White		<b>P265W</b>	-	-	Chrome	①	
					S/S 302/304	<b>SS265</b>	
	Black	<b>P266BK</b>	-	-	Aluminum	①	
	Brown	<b>P266</b>	-	-	Brass	①	
	Gray	<b>P266GY</b>	-	-	Brass Plated	①	
	Ivory	<b>P266I</b>	-	-	Chrome	①	
	Light Almond	<b>P266LA</b>	-	-	S/S 302/304	<b>SS266</b>	
	White	<b>P266W</b>	-	-			

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

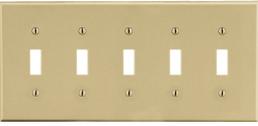
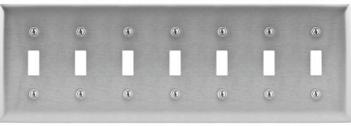
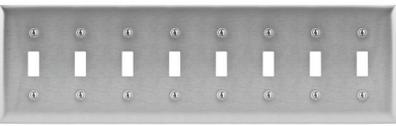
① Available as a custom wallplate, see pages Q-29 & Q-30. Consult custom wallplates section for additional openings and combinations.

# Wallplates and Covers



## Toggle Switch Wallplates

### Toggle Switch Wallplates

Description	Color	Thermoplastic			Material	Metal Catalog Number
		Standard	Mid-Size	Jumbo		
1-Gang, 1-Toggle 	Black Brown Gray Ivory Light Almond Red White	<b>P1BK</b> <b>P1</b> <b>P1GY</b> <b>P1I</b> <b>P1LA</b> <b>P1R</b> <b>P1W</b>	<b>PJ1BK</b> <b>PJ1</b> <b>PJ1GY</b> <b>PJ1I</b> <b>PJ1LA</b> <b>PJ1R</b> <b>PJ1W</b>	- - - <b>NPJJ1I</b> <b>NPJJ1LA</b> - <b>NPJJ1W</b>	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	<b>SA1</b> <b>SB1</b> <b>SBP1</b> <b>SCH1</b> <b>SS1</b> <b>SS1L</b>
2-Gang, 2-Toggle 	Black Brown Gray Ivory Light Almond Red White	<b>P2BK</b> <b>P2</b> <b>P2GY</b> <b>P2I</b> <b>P2LA</b> <b>P2R</b> <b>P2W</b>	- <b>PJ2</b> <b>PJ2GY</b> <b>PJ2I</b> <b>PJ2LA</b> - <b>PJ2W</b>	- - - <b>NPJJ2I</b> <b>NPJJ2LA</b> - <b>NPJJ2W</b>	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	<b>SA2</b> <b>SB2</b> <b>SBP2</b> <b>SCH2</b> <b>SS2</b> <b>SS2L</b>
3-Gang, 3-Toggle 	Black Brown Gray Ivory Light Almond Red White	<b>P3BK</b> <b>P3</b> <b>P3GY</b> <b>P3I</b> <b>P3LA</b> - <b>P3W</b>	- - <b>PJ3GY</b> <b>PJ3I</b> <b>PJ3LA</b> <b>PJ3R</b> <b>PJ3W</b>	- - - - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① <b>SB3</b> - <b>SCH3</b> <b>SS3</b> <b>SS3L</b>
4-Gang, 4-Toggle 	Black Brown Gray Ivory Light Almond White	<b>P4BK</b> <b>P4</b> <b>P4GY</b> <b>P4I</b> <b>P4LA</b> <b>P4W</b>	- - - <b>PJ4I</b> <b>PJ4LA</b> <b>PJ4W</b>	- - - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① <b>SB4</b> - ① <b>SS4</b> -
5-Gang, 5-Toggle 	Gray Ivory Light Almond White	<b>P5GY</b> <b>P5I</b> <b>P5LA</b> <b>P5W</b>	- - - -	- - - -	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① <b>SB5</b> ① ① <b>SS5</b> -
6-Gang, 6-Toggle 	Gray Ivory Light Almond White	<b>P6GY</b> <b>P6I</b> <b>P6LA</b> <b>P6W</b>	- - - -	- - - -	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① <b>SB6</b> ① ① <b>SS6</b> -
7-Gang, 7-Toggle 					Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① <b>SS607</b>
8-Gang, 8-Toggle 					Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① <b>SS608</b>
2-Gang, 1-Toggle 					Aluminum Brass Brass Plated Chrome S/S 302/304	- - - - <b>SS740</b>

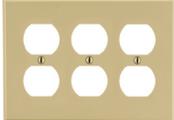
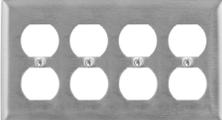
Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

① Available as a custom wallplate, see pages Q-29 & Q-30. Consult custom wallplates section for additional openings and combinations.

# Wallplates and Covers

## Duplex and Single Receptacle Wallplates

### Duplex Receptacle Wallplates

Description	Color	Thermoplastic			Material	Metal Catalog Number
		Standard	Mid-Size	Jumbo		
1-Gang, 1-Duplex 	Black	<b>P8BK</b>	<b>PJ8BK</b>	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	<b>SA8</b>
	Blue	–	<b>PJ8BL</b>	–		<b>SB8</b>
	Brown	<b>P8</b>	<b>PJ8</b>	–		<b>SBP8</b>
	Gray	<b>P8GY</b>	<b>PJ8GY</b>	–		<b>SCH8</b>
	Ivory	<b>P8I</b>	<b>PJ8I</b>	<b>NPJJ8I</b>		<b>SS8</b>
	Light Almond	<b>P8LA</b>	<b>PJ8LA</b>	<b>NPJJ8LA</b>		<b>SS8L</b>
	Orange	<b>P8OR</b>	–	–		
	Red	<b>P8R</b>	<b>PJ8R</b>	–		
	White	<b>P8W</b>	<b>PJ8W</b>	<b>NPJJ8W</b>		
2-Gang, 2-Duplex 	Black	<b>P82BK</b>	<b>PJ82BK</b>	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	<b>SA82</b>
	Brown	<b>P82</b>	–	–		<b>SB82</b>
	Gray	<b>P82GY</b>	<b>PJ82GY</b>	–		<b>SBP82</b>
	Ivory	<b>P82I</b>	<b>PJ82I</b>	–		<b>SCH82</b>
	Light Almond	<b>P82LA</b>	<b>PJ82LA</b>	–		<b>SS82</b>
	Orange	<b>P82OR</b>	–	–		<b>SS82L</b>
	Red	<b>P82R</b>	<b>PJ82R</b>	–		
	White	<b>P82W</b>	<b>PJ82W</b>	–		
3-Gang, 3-Duplex 	Ivory	<b>P83I</b>	–	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	①
	White	<b>P83W</b>	–	–		<b>SS83</b>
4-Gang, 4-Duplex 					Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	①
						①
						①
						①
						<b>SS84</b>
2-Gang, 1-Duplex 					Brass Brass Plated Chrome S/S 302/304 S/S 430	–
						–
						–
						<b>SS748</b>
						–

### Single 15/20A Straight Blade or 15A Locking Receptacle Wallplates

Description	Color	Thermoplastic			Material	Metal Catalog Number
		Standard	Mid-Size	Jumbo		
1-Gang, 1-Single 1.40 in. (35.6) Dia. Hole 	Black	<b>P7BK</b>	–	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	<b>SA7</b>
	Brown	<b>P7</b>	–	–		<b>SB7</b>
	Gray	<b>P7GY</b>	–	–		<b>SBP7</b>
	Ivory	<b>P7I</b>	<b>PJ7I</b>	–		<b>SCH7</b>
	Light Almond	<b>P7LA</b>	<b>PJ7LA</b>	–		<b>SS7</b>
	Red	<b>P7R</b>	–	–		<b>SS7L</b>
	White	<b>P7W</b>	<b>PJ7W</b>	–		
2-Gang, 1-Single 1.40 in. (35.6) Dia. Hole 					Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	–
						–
						–
						<b>SS747</b>
						–
2-Gang, 2-Single 1.40 in. (35.6) Dia. Hole 					Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	①
						①
						①
						①
						<b>SS72</b>

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

① Available as a custom wallplate, see pages Q-29 & Q-30. Consult custom wallplates section for additional openings and combinations.

# Wallplates and Covers

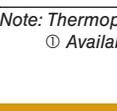


## Single Receptacle Wallplates

### Single 20/30A Locking Receptacle Wallplates

Description	Color	Thermoplastic		Material	Metal Catalog Number
		Standard	Mid-Size		
 1-Gang, 1-Single, 1.60 in. (40.6) Dia. Hole	Black	<b>P720BK</b>	-	Aluminum	-
	Brown	<b>P720</b>	-	Brass	<b>SB720</b>
	Gray	<b>P720GY</b>	-	Brass Plated	①
	Ivory	<b>P720I</b>	-	Chrome	①
	Red	<b>P720R</b>	-	S/S 302/304	<b>SS720</b>
 1-Gang, 1-Single, 1.74 in. (44.2) Dia. Hole				Aluminum	-
				Brass	-
				Brass Plated	-
				Chrome	-
				S/S 302/304	<b>SS725</b>
 2-Gang, 1-Single, 1.60 in. (40.6) Dia. Hole				Aluminum	-
				Brass	-
				Brass Plated	-
				Chrome	-
				S/S 302/304	<b>SS749</b>
 3-Gang, 2-Single, 1.60 in. (40.6) Dia. Hole				Aluminum	①
				Brass	①
				Brass Plated	①
				Chrome	①
				S/S 302/304	<b>SS320</b>

### Single Receptacle Wallplates

Description	Color	Thermoplastic		Material	Metal Catalog Number
		Standard	Mid-Size		
 1-Gang, 1-Single, 1.97 in. (50.0) Dia. Hole				Aluminum	-
				Brass	-
				Chrome	-
				S/S 302/304	<b>SS737</b>
 1-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole	Black	<b>P724BK</b>	<b>PJ724BK</b>	Aluminum	-
	Ivory	<b>P724I</b>	<b>PJ724I</b>	Brass	①
	White	<b>P724W</b>	<b>PJ724W</b>	Brass Plated	①
				Chrome	<b>SCH723</b>
				S/S 302/304	<b>SS723</b>
 2-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole				Aluminum	-
				Brass	-
				Chrome	-
				S/S 302/304	<b>SS702</b>
 2-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole	Black	<b>P703BK</b>	<b>PJ703BK</b>	Aluminum	-
	Ivory	<b>P703I</b>	<b>PJ703I</b>	Brass	-
	White	<b>P703W</b>	<b>PJ703W</b>	Brass Plated	-
				Chrome	-
 2-Gang, 1-Single, 2.48 in. (63.0) Dia. Hole				S/S 302/304	<b>SS703</b>
				S/S 430	<b>SS703L</b>
				Aluminum	-
				Brass	-
 2-Gang, 1-Single, 2.66 in. (67.6) Dia. Hole				Chrome	-
				S/S 302/304	<b>SS701</b>
				Aluminum	-
				Brass	-
 2-Gang, 1-Single, 2.66 in. (67.6) Dia. Hole				Chrome	-
				S/S 302/304	<b>SS716</b>
				Aluminum	-
				Brass	-

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

① Available as a custom wallplate, see pages Q-29 & Q-30. Consult custom wallplates section for additional openings and combinations.

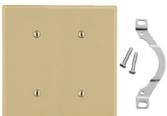
# Wallplates and Covers

## Blank Wallplates

### Blank Wallplates, Box Mount

Description	Color	Thermoplastic			Material	Metal Catalog Number
		Standard	Mid-Size	Jumbo		
1-Gang, 1-Blank, Box Mount 	Black	<b>P13BK</b>	<b>PJ13BK</b>	-	Aluminum	<b>SA13A</b>
	Brown	<b>P13</b>	<b>PJ13</b>	-	Brass	<b>SB13</b>
	Gray	<b>P13GY</b>	<b>PJ13GY</b>	-	Brass Plated	-
	Ivory	<b>P13I</b>	<b>PJ13I</b>	<b>NPJJ13I</b>	Chrome	<b>SCH13</b>
	Light Almond	<b>P13LA</b>	<b>PJ13LA</b>	<b>NPJJ13LA</b>	S/S 302/304	<b>SS13</b>
	White	<b>P13W</b>	<b>PJ13W</b>	<b>NPJJ13W</b>	S/S 430	<b>SS13L</b>
2-Gang, 2-Blank, Box Mount 	Black	<b>P23BK</b>	-	-	Aluminum	<b>SA23</b>
	Brown	<b>P23</b>	<b>PJ23</b>	-	Brass	<b>SB23</b>
	Gray	<b>P23GY</b>	-	-	Brass Plated	①
	Ivory	<b>P23I</b>	<b>PJ23I</b>	-	Chrome	<b>SCH23</b>
	Light Almond	<b>P23LA</b>	<b>PJ23LA</b>	-	S/S 302/304	<b>SS23</b>
	White	<b>P23W</b>	<b>PJ23W</b>	-		
3-Gang, 3-Blank, Box Mount 	Ivory	<b>P33I</b>	-	-	Aluminum	①
	White	<b>P33W</b>	-	-	Brass	①
					Brass Plated	①
4-Gang, 4-Blank, Box Mount 					Chrome	①
					S/S 302/304	<b>SS33</b>

### Blank Wallplates, Strap Mount

Description	Color	Thermoplastic			Material	Metal Catalog Number
		Standard	Mid-Size	Jumbo		
1-Gang, 1-Blank, Strap Mount 	Black	<b>P14BK</b>	-	-	Aluminum	①
	Brown	<b>P14</b>	-	-	Brass	<b>SB14</b>
	Gray	<b>P14GY</b>	-	-	Brass Plated	①
	Ivory	<b>P14I</b>	-	-	Chrome	①
	Light Almond	<b>P14LA</b>	-	-	S/S 302/304	<b>SS14</b>
	Red	<b>P14R</b>	-	-		
	White	<b>P14W</b>	-	-		
2-Gang, 2-Blank, Strap Mount 	Black	<b>P24BK</b>	-	-	Aluminum	①
	Brown	<b>P24</b>	-	-	Brass	①
	Gray	<b>P24GY</b>	-	-	Brass Plated	①
	Ivory	<b>P24I</b>	-	-	Chrome	①
	Light Almond	<b>P24LA</b>	-	-	S/S 302/304	<b>SS24</b>
	Red	<b>P24R</b>	-	-		
	White	<b>P24W</b>	-	-		
3-Gang, 3-Blank, Strap Mount 					Aluminum	①
					Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	<b>SS34</b>

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

① Available as a custom wallplate, see pages Q-29 & Q-30. Consult custom wallplates section for additional openings and combinations.

# Wallplates and Covers



## Combination Wallplates

### Combination Wallplates, 2-Gang

Description	Color	Thermoplastic		Material	Metal Catalog Number
		Standard	Mid-Size		
2-Gang, 1-Toggle, 1-Duplex 	Brown Gray Ivory Light Almond Red White	<b>P18</b> <b>P18GY</b> <b>P18I</b> <b>P18LA</b> <b>P18R</b> <b>P18W</b>	– <b>PJ18GY</b> <b>PJ18I</b> <b>PJ18LA</b> – <b>PJ18W</b>	Aluminum Brass Brass Plated Chrome S/S 302/304	① <b>SB18</b> – <b>SCH18</b> <b>SS18</b>
2-Gang, 1-Duplex, 1-Decorator 	Black Brown Gray Ivory Light Almond Red White	<b>P826BK</b> <b>P826</b> <b>P826GY</b> <b>P826I</b> <b>P826LA</b> <b>P826R</b> <b>P826W</b>	<b>PJ826BK</b> <b>PJ826</b> <b>PJ826GY</b> <b>PJ826I</b> <b>PJ826LA</b> – <b>PJ826W</b>	Aluminum Brass Brass Plated Chrome S/S 302/304	① <b>SB826</b> ① ① <b>SS826</b>
2-Gang, 1-Toggle, 1-Decorator 	Black Brown Gray Ivory Light Almond Red White	<b>P126BK</b> <b>P126</b> <b>P126GY</b> <b>P126I</b> <b>P126LA</b> <b>P126R</b> <b>P126W</b>	– <b>PJ126</b> <b>PJ126GY</b> <b>PJ126I</b> <b>PJ126LA</b> – <b>PJ126W</b>	Aluminum Brass Brass Plated Chrome S/S 302/304	① <b>SB126</b> – ① <b>SS126</b>
2-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole, 1-Duplex 	Ivory White	<b>P78I</b> <b>P78W</b>	– –	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① <b>SS78</b>
2-Gang, 1-Single Receptacle 1.60 in. (40.6) Hole, 1-Duplex 				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① <b>SS8720</b>
2-Gang, 1-Toggle, 1-Blank Box Mount 	Brown Gray Ivory Light Almond White	– <b>P113GY</b> <b>P113I</b> <b>P113LA</b> <b>P113W</b>	<b>PJ113</b> – <b>PJ113I</b> – <b>PJ113W</b>	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① <b>SS113</b>
2-Gang, 1-Toggle, 1-Blank Strap Mount 				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① <b>SS114</b>
2-Gang, 1-Blank, 1-Decorator Box Mount 	Black Gray Ivory Light Almond White	<b>P1326BK</b> <b>P1326GY</b> <b>P1326I</b> <b>P1326LA</b> <b>P1326W</b>	– – <b>PJ1326I</b> <b>PJ1326LA</b> <b>PJ1326W</b>	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① <b>SS1426*</b>

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

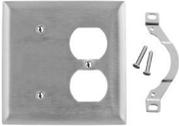
① Available as a custom wallplate, see pages Q-29 & Q-30. Consult custom wallplates section for additional openings and combinations.

\*Strap Mount.

# Wallplates and Covers

## Combination Wallplates

### Combination Wallplates, 2-Gang

Description	Color	Thermoplastic		Material	Metal Catalog Number
		Standard	Mid-Size		
2-Gang, 1-Blank, 1-Duplex Box Mount 	Gray	<b>P138GY</b>	—	Aluminum	①
	Ivory	<b>P138I</b>	—	Brass	①
	Light Almond	<b>P138LA</b>	—	Brass Plated	①
	White	<b>P138W</b>	—	Chrome	①
					S/S 302/304
2-Gang, 1-Blank, 1-Duplex Strap Mount 				Aluminum	①
				Brass	①
				Brass Plated	①
				Chrome	①
				S/S 302/304	<b>SS148</b>

### Combination Wallplates, 3-Gang

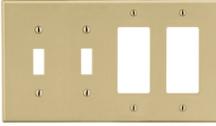
Description	Color	Thermoplastic		Material	Metal Catalog Number
		Standard	Mid-Size		
3-Gang, 2-Toggle, 1-Duplex 	Brown	<b>P28</b>	—	Aluminum	①
	Gray	<b>P28GY</b>	—	Brass	①
	Ivory	<b>P28I</b>	<b>PJ28I</b>	Brass Plated	①
	Light Almond	<b>P28LA</b>	<b>PJ28LA</b>	Chrome	①
	White	<b>P28W</b>	<b>PJ28W</b>	S/S 302/304	①
3-Gang, 2-Toggle, 1-Decorator 	Black	<b>P226BK</b>	—	Aluminum	①
	Brown	<b>P226</b>	—	Brass	①
	Gray	<b>P226GY</b>	—	Brass Plated	①
	Ivory	<b>P226I</b>	<b>PJ226I</b>	Chrome	①
	Light Almond	<b>P226LA</b>	<b>PJ226LA</b>	S/S 302/304	<b>SS226</b>
	White	<b>P226W</b>	<b>PJ226W</b>		
3-Gang, 1-Toggle, 2-Decorator 	Ivory	<b>P1262I</b>	—	Aluminum	①
	Light Almond	<b>P1262LA</b>	—	Brass	①
	White	<b>P1262W</b>	—	Brass Plated	①
				Chrome	①
				S/S 302/304	①

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

① Available as a custom wallplate, see pages Q-29 & Q-30. Consult custom wallplates section for additional openings and combinations.

## Combination Wallplates

### Combination Wallplates, 4-Gang

Description	Color	Thermoplastic		Material	Metal Catalog Number
		Standard	Mid-Size		
4-Gang, 3-Toggle, 1-Decorator 	Black	<b>P326BK</b>	–	Aluminum	①
	Brown	<b>P326</b>	–	Brass	①
	Gray	<b>P326GY</b>	–	Brass Plated	①
	Ivory	<b>P326I</b>	–	Chrome	①
	Light Almond	<b>P326LA</b>	–	S/S 302/304	<b>SS326</b>
	White	<b>P326W</b>	–		
4-Gang, 2-Toggle, 2-Decorator 	Ivory	<b>P2262I</b>	–	Aluminum	①
	Light Almond	<b>P2262LA</b>	–	Brass	①
	White	<b>P2262W</b>	–	Brass Plated	①
				Chrome	①
			S/S 302/304	①	

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

① Available as a custom wallplate, see pages Q-29 & Q-30. Consult custom wallplates section for additional openings and combinations.

## Material Specifications

### Nylon, Stainless Steel and Brass Plate

#### Listings

Conforms to applicable NEMA® and ANSI® Standards  
 Meets UL Standard 514D and CSA C22.2 #42.1  
 UL Listed (Brass, stainless steel and nylon)  
 CSA Certified

### Nylon Plate Inches (mm)

#### Specifications

Thickness 0.06 in. (1.5)  
 Mounting screws Steel (painted slotted screw head)  
 Feature Captive mounting screw hole, positive bow for flush mounting  
 Operating temperature -40°C to 85°C  
 Appearance Smooth

### Aluminum Plate Inches (mm)

#### Specifications

Thickness 0.05 in. (1.3)  
 Mounting screws Aluminum slotted head  
 Appearance Brushed finish, clear anodized

### 302/304 Stainless Steel

### (18% Chromium, 8% Nickel) Plate Inches (mm)

#### Specifications

Thickness .035 in. (0.9) nominal  
 Mounting screws 302/304 stainless steel (18% chromium, 8% nickel), slotted screw head  
 Appearance Brushed finish

### Brass (70% Copper, 30% Zinc) Plate Inches (mm)

#### Specifications

Thickness 0.04 in. (1.0)  
 Mounting screws Brass (70% copper, 30% zinc), slotted screw head  
 Operating temperature -40°C to 85°C  
 Appearance Brushed finish

### 430 Stainless Steel (17% Chromium,

### Less than 0.50% Nickel) Plate Inches (mm)

#### Specifications

Thickness .035 in. (0.9) nominal  
 Mounting screws 302/304 stainless steel (18% chromium, 8% nickel), slotted screw head  
 Appearance Brushed finish

### Brass-Plated Steel Plate Inches (mm)

#### Specifications

Thickness 0.03 in. (0.8) nominal  
 Mounting screws Brass slotted head  
 Appearance Polished finish, coated to inhibit oxidation

### Chrome-Plated Steel Plate Inches (mm)

#### Specifications

Thickness 0.03 in. (0.8) Nominal  
 Mounting screws Zinc-plated steel slotted head  
 Appearance Polished finish, coated to inhibit oxidation

NEMA® is a registered trademark of the National Electrical Manufacturers Association.  
 ANSI® is a registered trademark of the American National Standards Institute.

# Wallplates and Covers

## Combination Wallplates

### Telephone and Coaxial Wallplates

Description	Color	Thermoplastic		Material	Metal Catalog Number
		Standard	Mid-Size		
1-Gang, 1-Tel Thermoplastic .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Box Mount 	Ivory	<b>P11I</b>	<b>PJ11I</b>	Aluminum	①
	Light Almond	<b>P11LA</b>	<b>PJ11LA</b>	Brass	①
	White	<b>P11W</b>	<b>PJ11W</b>	Brass Plated	①
				Chrome	①
				S/S 302/304	<b>SS11*</b>
1-Gang, 1-Tel Thermoplastic .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Strap Mount 				Aluminum	①
				Brass	-
				Brass Plated	-
				Chrome	-
				S/S 302/304	<b>SS12*</b>
1-Gang, 1-Tel .625 in. (15.9) Hole, Box Mount 	Ivory	<b>P737I</b>	-	Aluminum	-
	White	<b>P737W</b>	-	Brass	-
				Brass Plated	-
				Chrome	-
				S/S 302/304	-
1-Gang, 1-Tel .380 in. (9.7) Hole, Box Mount 				Aluminum	①
				Brass	①
				Brass Plated	①
				Chrome	①
				S/S 302/304	<b>SS739</b>
1-Gang, 1-Tel .380 in. (9.7) Hole, Strap Mount 				Aluminum	①
				Brass	①
				Brass Plated	①
				Chrome	①
				S/S 302/304,	<b>SS738</b>

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

① Available as a custom wallplate, see pages Q-29 & Q-30. Consult custom wallplates section for additional openings and combinations.

\*.50" (12.7) I.D. nylon bushing provided.

### Louver Wallplate, 1-Gang, Box Mount

Description	Color	Thermoplastic		Material	Metal Catalog Number
		Standard	Mid-Size		
1-Gang, Vertical Mounted Louver 				Aluminum	①
				Brass	-
				Brass Plated	-
				Chrome	①
				S/S 302/304	<b>SS771</b>
				S/S 430	-

Note: \*See page Q-28 for mid-size wallplate dimensions.

① Available as a custom wallplate, see pages Q-29 & Q-30. Consult custom wallplates section for additional openings and combinations.

# Wallplates and Covers



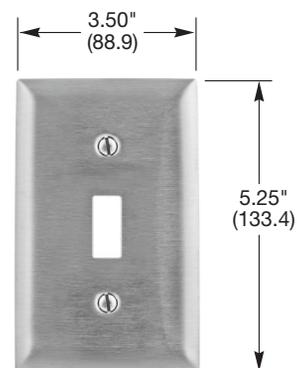
## Jumbo Stainless Steel Wallplates

### Jumbo, Smooth, Stainless Steel Type 302/304 Wallplates

Configuration	Catalog Number	Configuration	Catalog Number
1-Gang, 1-Toggle 	<b>SSJ1</b>	2-Gang, 2-Toggle 	<b>SSJ2</b>
1-Gang, 1-Duplex 	<b>SSJ8</b>	2-Gang, 2-Duplex 	<b>SSJ82</b>
1-Gang, 1-Decorator 	<b>SSJ26</b>	2-Gang, 2-Decorator 	<b>SSJ262</b>
1-Gang, 1-Single Receptacle for 1.36–1.39 in. (34.5–35.3) dia. face 	<b>SSJ7</b>	2-Gang, 1-Toggle, 1-Duplex 	<b>SSJ18</b>
1-Gang, 1-Single Receptacle for 2.09–2.13 in. (53.1–54.1) dia. face 	<b>SSJ723</b>	2-Gang, 1-Toggle, 1-Decorator 	<b>SSJ126</b>
1-Gang, 1-Blank, box mount 	<b>SSJ13</b>	2-Gang, 2-Blank, box mount 	<b>SSJ23</b>
1-Gang, 1-Telephone opening, 0.640 in. (16.3) box mount 	<b>SSJ11*</b>		

Note: \*.50 in. (12.7) I.D. nylon bushing provided.  
Specifications are subject to change without notice.

Oversize dimensions (see page Q-28 for more details).  
1-Gang, 5.25 in. x 3.50 in. (133.4 x 88.9).  
2-Gang, 5.25 in. x 5.31 in. (133.4 x 134.9).



**Jumbo Wallplate**

# Wallplates and Covers

## Pre-Marked Wallplates

### Pre-Marked “EMERGENCY” Wallplates

Description	Color	Thermoplastic		Material	Metal Catalog Number
		Standard	Mid-Size		
1-Gang, 1-Duplex, paint filled white lettering 	Red	-	<b>PJ8RMEV</b>	Aluminum Brass Brass Plated Chrome S/S 302/304	- - - - <b>SS8MEV</b>
1-Gang, 1-Toggle, paint filled white lettering 	Red	-	<b>PJ1RME</b>	Aluminum Brass Brass Plated Chrome S/S 302/304	- - - - <b>SS1ME</b>
2-Gang, 2 Duplex, paint filled red lettering 				Aluminum Brass Brass Plated Chrome S/S 302/304	- - - - <b>SS82MEV</b>

Note: See page Q-28 for wallplate dimensions.  
All lettering .25 in. (6.3) high.

### Pre-Marked “ISOLATED GROUND” Wallplates

Description	Color	Thermoplastic		Material	Metal Catalog Number
		Standard	Mid-Size		
1-Gang, 1-Duplex, paint filled black 	Orange	<b>P8OIG</b>	-	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	- - - - - -
1-Gang, 1-Decorator, paint filled black 	Orange	<b>P26OIG</b>	-	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	- - - - - -
1-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole for 1.36–1.39 in. (34.5–35.3) Dia. face, paint filled black 	Orange	<b>P7OIG</b>	-	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	- - - - - -
1-Gang, 1-Single Receptacle 1.60 in. (40.6) Hole for 20 and 30A locking receptacles with 1.55–1.58 in. (39.4–40.1) Dia. face, paint filled black 	Orange	<b>P720OIG</b>	-	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	- - - - - -

# Wallplates and Covers



## Stainless Steel Barrel Key Switch Wallplates



### Stainless Steel Barrel Key Switch Wallplates

Description	1-Gang, with on/off markings	1-Gang, with position markings	2-Gang, with on/off markings	2-Gang, with position markings
Stainless steel, 302/304, smooth.	<b>SS12RKL</b>	<b>SS12RKL</b>	<b>SS22RKL</b>	<b>SS22RKL</b>
				

Note: See page D-3 for barrel key switch selection.

### Single Count Screws and Accessories

Description	Catalog Number
Stainless steel screw, standard slot, .38 in. (9.7) long.	<b>HBL7341SS</b>
Security spanner head screws, 6-32 thread, 100 count.	<b>HBL7342RKL</b>
Screwdriver with spanner head security bit.	<b>HBL7372RKL</b>



**HBL7341SS**



**HBL7342RKL**



**HBL7372RKL**

# Wallplates and Covers

## Specialty Wallplates and Accessories

### Oil and Gas Burner Emergency Wallplates Inches (mm)

Description	Color/Material	Oil Burner Cover	Gas Burner Cover	Emergency Cover
1-Gang, 1-Toggle, 1/4 in. (6.4) silk screened white letters	Red Enameled Steel	<b>S22710EM</b>	<b>S2271GEM</b>	—
Utility/handy box cover, 1-Toggle, 1/4 in. (6.4) silk screened white letters	Red Enameled Steel	<b>SY865OEM</b>	<b>SY865GEM</b>	<b>SY865EM</b>
4 in. (101.6) square box cover, 1-Toggle, 1/4 in. (6.4) silk screened white letters	Red Enameled Steel	<b>SY800OEM</b>	<b>SY800GEM</b>	—
4 in. (101.6) square box cover, 2-Toggle, 1/4 in. (6.4) silk screened white letters	Red Enameled Steel	—	<b>SY803GEM</b>	—

### Wallplate Screws, 6-32 Thread, 100 Count

Description	Color/Material	Decorator 3/8 in. Long	Standard 1/2 in. Long	Standard 5/8 in. Long	Standard 1.0 in. Long
Wallplate screws, oval head milled slot, 6-32 thread, 100 per box (order 1 to receive a box of 100)	Black	<b>RA38BKPK100</b>	<b>RA12BKPK100</b>	—	—
	Brown	<b>RA38PK100</b>	<b>RA12PK100</b>	—	—
	Gray	<b>RA38GYPK100</b>	<b>RA12GYPK100</b>	—	—
	Ivory	<b>RA38IPK100</b>	<b>RA12IPK100</b>	—	<b>RA88IPK100</b>
	Light Almond	<b>RA38LAPK100</b>	<b>RA12LAPK100</b>	—	—
	White	<b>RA38WPK100</b>	<b>RA12WPK100</b>	—	<b>RA88WPK100</b>
	Stainless Steel	<b>RA38SSPK100</b>	—	<b>RA58SSPK100</b>	<b>RA88SSPK100</b>

### Accessories Inches (mm)

Color	To Fill a Toggle Opening	To Fill a Decorator Opening	0.406 in. (10.30) Dia. Hole, To Fill a Decorator Opening	Material	Mounting Strap, with Screws	Brass Plated Screw, Standard Slot, 0.38 in. (9.7) long
Brown	<b>RA756</b>	—	—	Steel	<b>RA40</b>	—
Black	—	<b>NS620BK</b>	—	Brass	—	<b>HBL7341</b>
Gray	—	<b>NS620GY</b>	—			
Ivory	<b>RA756I</b>	<b>NS620I</b>	<b>NS621I</b>			
Light Almond	—	<b>NS620LA</b>	<b>NS621LA</b>			
White	<b>RA756W</b>	<b>NS620W</b>	<b>NS621W</b>			

### Tamperproof Wallplate Screws and Screwdriver\* Inches (mm)

Description	Length in. (mm)	Spanner Head Type 6-32 Thread	Spanner Head Screwdriver	Replacement Barrel Key
Spanner head stainless steel type 302/304, 6-32 thread, screws sold in carton quantities of 100	1/4 in. (3.2)	<b>SSTP14</b>	<b>SSTPD</b>	<b>6006RKL</b>
	3/8 in. (9.5)	<b>SSTP38</b>		
	1/2 in. (12.7)	<b>SSTP12</b>		
	5/8 in. (15.9)	<b>SSTP58</b>		
	1 in. (25.4)	<b>SSTP1</b>		
	2 in. (50.8)	<b>SSTP2</b>		

Note: \* Not UL Listed or CSA Certified.

## Weatherproof Covers



**7420B**



**23007**



**7770**



**7774CR**

### 1-Gang Die Cast Aluminum Covers, Vertical Mount Inches (mm)

Description	Catalog Number
1.62 in. (41.1) dia. opening, 20 and 30 amp, locking receptacle	<b>7420B</b>
2.15 in. (54.6) dia. opening, 30 and 50 amp, 3-wire power receptacle	<b>7427B</b>
2.31 in. (58.7) dia. opening for "MBWP" inlet	<b>7429B</b>
20 amp power interrupting, locking receptacle	<b>23007</b>
30 amp power interrupting, locking receptacle, lift cover	<b>20405</b>
50 amp standard locking receptacle	<b>7770</b>

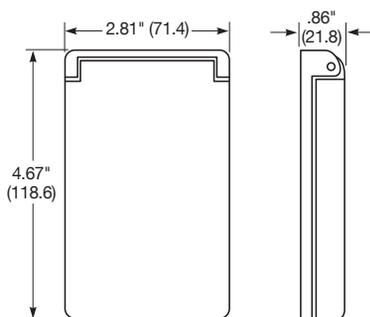
### 1-Gang Non-Metallic Cover, Vertical Mount for Flanged Devices

Description	Catalog Number
Yellow fiberglass weatherproof plate with lift lid for 50 amp locking receptacles, fits F.S. and F.D. boxes	<b>7774CR</b>

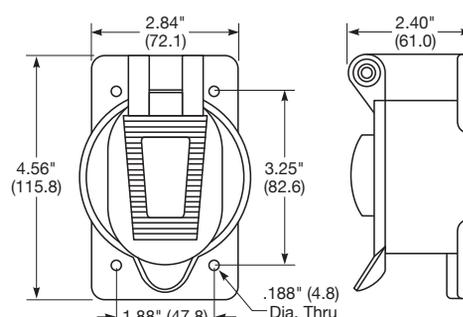
### Catalog Number for Receptacles in Groups Inches (mm)

Boss Diameter 1.36 in. to 1.39 in. (34.5 to 35.3)		Boss Diameter 1.55 in. to 1.58 in. (39.4 to 40.1)				Boss Diameter 1.68 in. to 1.72 in. (42.7 to 43.7)	Boss Diameter 2.09 in. to 2.13 in. (53.1 to 54.1)	Boss Diameter 2.28 in. to 2.44 in. (57.9 to 62.0)
5261	8310	70520FR	71220FR	71820FR	3330	9530FR	3771	CS6369L
5251	7250	70620FR	71030FR	71920FR	3430	9630FR	7379	CS6370L
5661	5284	70720FR	71130FR	72020FR	3520	9303	3769	CS8169L
5361	5258	70820FR	71230FR	71830FR	7410	9306	6369CR	CS8269L
5351	5684	70920FR	71330FR	71930FR	40045FR	9550FR	6370CR	CS8369L
5461	5384	70530FR	71420FR	72030FR	FSL1FR	9650FR		CS8469L
4710	5484	70630FR	71520FR	72120FR	FSL2FR			CS6369A
4760	5261IG	70730FR	71620FR	72220FR	FSL3FR			CS6370A
7582	5361IG	70830FR	71430FR	72320FR	FSL4FR			CS8169A
7310	7535	70930FR	71530FR	72130FR				CS8269A
8210	70615FR	71020FR	71630FR	72230FR				CS8369A
		71120FR	71730FR	72330FR				CS8469A

### Product Dimensions Inches (mm)



**7420B**



**7774CR**

# Wallplates and Covers

## Weatherproof Covers

### 1-Gang Non-Metallic Covers, Vertical Mount for Flanged Devices

Description	Catalog Number
Weatherproof lift cover for use with 15 amp locking flanged equipment devices (inlets and receptacles)	<b>WPC1</b>
Weatherproof lift cover for use with 20 and 30 amp locking flanged equipment devices (inlets and receptacles)	<b>WPC2</b>
Weatherproof lift cover for use with 50 amp locking non-metallic flanged inlets	<b>7780*</b>



Note: \*cULus Listed only, not CSA Certified.

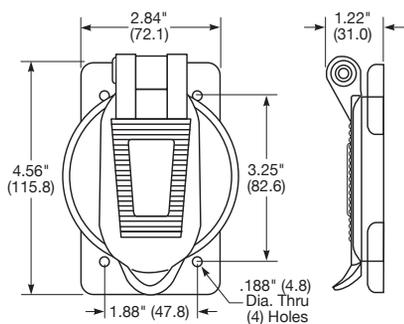
### Use with Flanged Inlets and Flanged Receptacles Listed Below

Catalog Number	Use with flanged inlets and flanged receptacles listed below							
<b>WPC1</b>	<b>4716MB</b>	<b>4715ER</b>	<b>70615MB</b>	<b>70615ER</b>	<b>4786MB</b>	<b>4785ER</b>	<b>7556MB</b>	<b>7557ER</b>
	<b>8808</b>	<b>8809</b>						
<b>WPC2</b>	<b>70520MB</b>	<b>70520ER</b>	<b>70620MB</b>	<b>70620ER</b>	<b>70720MB</b>	<b>70720ER</b>	<b>70820MB</b>	<b>70820ER</b>
	<b>70920MB</b>	<b>70920ER</b>	<b>70530MB</b>	<b>70530ER</b>	<b>70630MB</b>	<b>70630ER</b>	<b>70730MB</b>	<b>70730ER</b>
	<b>70830MB</b>	<b>70830ER</b>	<b>70930MB</b>	<b>70930ER</b>	<b>7327</b>	<b>7328</b>	<b>71020MB</b>	<b>71020ER</b>
	<b>71120MB</b>	<b>71120ER</b>	<b>71220MB</b>	<b>71220ER</b>	<b>71030MB</b>	<b>71030ER</b>	<b>71230MB</b>	<b>71230ER</b>
	<b>71330MB</b>	<b>71330ER</b>	<b>71420MB</b>	<b>71420ER</b>	<b>71520MB</b>	<b>71520ER</b>	<b>71620MB</b>	<b>71620ER</b>
	<b>71430MB</b>	<b>71430ER</b>	<b>71530MB</b>	<b>71530ER</b>	<b>71630MB</b>	<b>71630ER</b>	<b>71730MB</b>	<b>71730ER</b>
	<b>7408MB</b>	<b>7409ER</b>	<b>71820MB</b>	<b>71820ER</b>	<b>71920MB</b>	<b>71920ER</b>	<b>72020MB</b>	<b>72020ER</b>
	<b>71830MB</b>	<b>71830ER</b>	<b>71930MB</b>	<b>71930ER</b>	<b>72030MB</b>	<b>72030ER</b>	<b>72120MB</b>	<b>72120ER</b>
	<b>72220MB</b>	<b>72220ER</b>	<b>72320MB</b>	<b>72320ER</b>	<b>40045MB</b>	<b>40045ER</b>	<b>72130MB</b>	<b>72130ER</b>
	<b>72230MB</b>	<b>72230ER</b>	<b>72330MB</b>	<b>72330ER</b>				
<b>7780</b>	<b>CS6375L</b>							
	<b>CS8375L</b>							

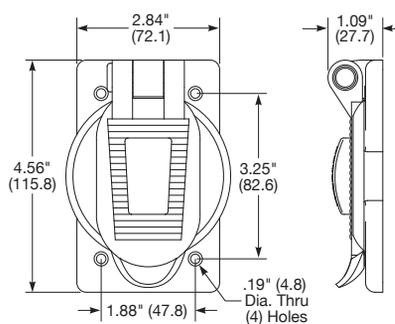


Note: Device not included.

### Product Dimensions Inches (mm)



**WPC2**



**7780**

# Wallplates and Covers



## EXTRA DUTY® Metallic While-In-Use Covers

EXTRA DUTY® Metallic While-in-Use Covers are designed for use whenever protection is required while an outlet is in use. Covers meet or exceed the extra duty rating per UL 514D, and are NEMA® 3R rated.

- Superior commercial quality die-cast aluminum construction
- Meets or exceeds extra duty rating in UL 514D
- Unique lid design allows larger plugs and provides more room for bend radius of electrical cords

- Provision on each side for holding cords – reduces pull-outs
- Padlockable – accepts standard size padlocks
- Includes gasket and hardware
- Powder coated for corrosion protection
- Device or box mounting
- NEMA® 3R rated
- Can be installed to comply with 2014 NEC® 406.9A & B



### 1-Gang EXTRA DUTY® Metallic Covers for Vertical Mounting Inches (mm)

Description	Product Dimensions Height x Width x Depth	Catalog Number
Metallic, gray, duplex, while-in-use cover for vertical mounting	6.5 in. x 3.3 in. x 3.2 in. (165.1 x 83.8 x 81.3)	<b>WPB8E</b>
Metallic, gray, round hole 1.55" or 2.10", while-in-use cover for vertical mounting	6.5 in. x 3.3 in. x 4.5 in. (165.1 x 83.8 x 114.3)	<b>WPB700E</b>
Metallic, gray, GFCI, while-in-use cover for vertical mounting	6.5 in. x 3.3 in. x 3.2 in. (165.1 x 83.8 x 81.3)	<b>WPB26E</b>



### 1-Gang EXTRA DUTY® Metallic Covers for Horizontal Mounting Inches (mm)

Description	Product Dimensions Height x Width x Depth	Catalog Number
Metallic, gray, duplex, while-in-use cover for horizontal mounting	4.8 in. x 5.1 in. x 3.2 in. (121.9 x 129.5 x 81.3)	<b>WPB8EH</b>
Metallic, gray, GFCI, while-in-use cover for horizontal mounting	4.8 in. x 5.1 in. x 3.2 in. (121.9 x 129.5 x 81.3)	<b>WPB26EH</b>



### 2-Gang EXTRA DUTY® Metallic Covers for Vertical Mounting Inches (mm)

Description	Product Dimensions Height x Width x Depth	Catalog Number
Metallic, gray, double duplex, while-in-use cover for vertical mounting	6.5 in. x 5.1 in. x 3.2 in. (165.1 x 129.5 x 81.3)	<b>WPB82E</b>
Metallic, gray, GFCI and duplex, while-in-use cover for vertical mounting	6.5 in. x 5.1 in. x 3.2 in. (165.1 x 129.5 x 81.3)	<b>WPB268E</b>
Metallic, gray, double GFCI, while-in-use cover for vertical mounting	6.5 in. x 5.1 in. x 3.2 in. (165.1 x 129.5 x 81.3)	<b>WPB262E</b>

NEC® is a registered trademark of the The National Electrical Code.  
NEMA® is a registered trademark of The National Electrical Manufacturers Association.

# Wallplates and Covers

## Weatherproof Covers

### 1-Gang Weatherproof Covers for Vertical Mounting Inches (mm)

Description	Product Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for box mounting	4.58 in. x 2.82 in. x 0.57 in. (116.3 x 71.6 x 14.5)	<b>RW51470</b>
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting	4.56 in. x 2.81 in. x 0.88 in. (115.8 x 71.4 x 22.4)	<b>RW51550*</b>
Zinc die cast, gray, GFCI, surge and decorator cover for device mounting	4.58 in. x 2.81 in. x 0.57 in. (116.3 x 71.4 x 14.5)	<b>RW51040</b>



### 1-Gang Weatherproof Covers for Horizontal Mounting Inches (mm)

Description	Product Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for device mounting	2.82 in. x 4.57 in. x 0.79 in. (71.6 x 116.1 x 20.1)	<b>RW51810</b>
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting	2.81 in. x 4.56 in. x 0.99 in. (71.4 x 115.8 x 25.1)	<b>RW51520*</b>
Zinc die cast, gray, GFCI, surge and decorator cover for device mounting	2.82 in. x 4.56 in. x 0.52 in. (71.6 x 115.8 x 13.2)	<b>RW51020</b>



### 2-Gang Weatherproof Covers for Vertical Mounting Inches (mm)

Description	Product Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for device mounting	4.54 in. x 4.54 in. x 0.75 in. (115.3 x 115.3 x 19.1)	<b>RW51320</b>
Zinc die cast, gray, one duplex/one GFCI, surge and decorator cover for box mounting	4.54 in. x 4.54 in. x 0.77 in. (115.3 x 115.3 x 19.6)	<b>RW51330</b>
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting	4.54 in. x 4.54 in. x 0.77 in. (115.3 x 115.3 x 19.6)	<b>RW51380</b>
Zinc die cast, gray, two GFCI, surge and decorator cover for box mounting	4.54 in. x 4.56 in. x 0.73 in. (115.3 x 115.8 x 18.5)	<b>RW51450</b>



Note: All weatherproof plates are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. All plates are gasketed and self-closing.  
\*cULus Listed.

# Wallplates and Covers



## Metallic While-In-Use Weatherproof Covers

### Features and Benefits

#### Weatherproof Metallic While-In-Use Covers

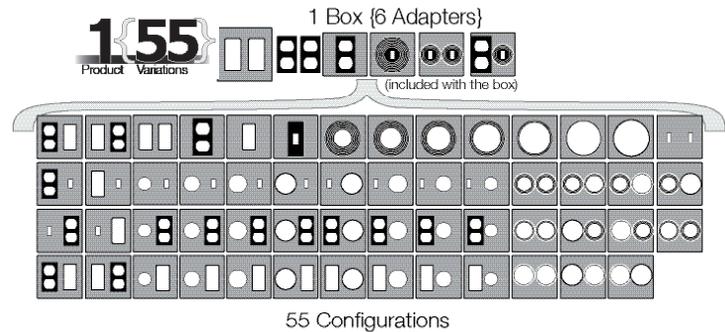
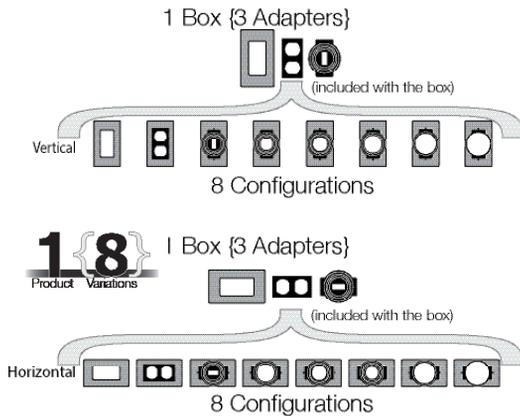
The NEMA 3R Rated EXTRA DUTY® Metallic and Non-metallic While-in-Use Covers offer weather protection for outlets when they are in use.

- Patented keyhole mounting system allows installation in under a minute
- Pre-configured for GFCI with patented technology for alternate devices
- Lockable tab for OSHA compliance
- Sealed-in-place gasket
- Premium powder coat
- External cord retention chamber
- Each box contains three or six adapters to make a variety of configurations (8 or 55)

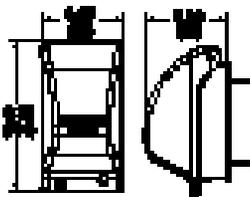


### Metallic EXTRA DUTY® While-In-Use Covers

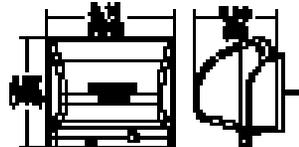
Description	Dimensions		Catalog Number
	Height x Width x Depth		
Heavy duty die-cast aluminum 1-gang box with gray lid for vertical mounting offers superior commercial quality 8-in-1 configurations.	<b>1.8</b> Product Variations	6.12" X 3.37" X 3.5" (155.4 X 85.6 X 89.0)	<b>WP26E</b>
Heavy duty die-cast metal 1-gang box with gray lid for horizontal mounting; 8-in-1 configurations.	<b>1.8</b> Product Variations	4.37" X 5.12" X 3.5" 111.0 X 130.0 X 89.0)	<b>WP26EH</b>
Heavy duty die-cast metal 2-gang box with gray lid for vertical mounting; 55-in-1 configurations.	<b>1.55</b> Product Variations	6.12" X 5.12" X 3.5" (155.4 X 130.0 X 89.0)	<b>WP262E</b>



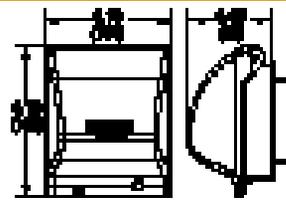
### Metallic Cover Dimensions



WP26E



WP26EH



WP262E

Dimensions in Inches (mm)

# Wallplates and Covers

## Non-Metallic While-In-Use Weatherproof Covers

### Features and Benefits

#### Weatherproof Non-Metallic While-In-Use Covers

The NEMA 3R Rated EXTRA DUTY® Metallic and Non-metallic While-in-Use Covers offer weather protection for outlets when they are in use.

- Patented keyhole mounting system allows installation in under a minute
- Pre-configured for GFCI with patented technology for alternate devices
- Lockable tab for OSHA compliance
- Sealed-in-place gasket
- High-impact polycarbonate construction provides maximum durability
- Each box contains three or six adapters to make a variety of configurations (16 or 55)



#### Non-Metallic While-In-Use Covers

Description	Dimensions Height x Width x Depth	Product Variations	
		Standard	EXTRA DUTY®
Standard 1-gang box with clear tinted cover, for horizontal or vertical mounting; 16-in-1 configurations.	5.90" X 4.18" X 2.75" (149.8 X 106.1 X 69.9)	<b>RW57300</b>	<b>RW58300</b>
Extra deep 1-gang box with clear tinted cover, for horizontal or vertical mounting; 16-in-1 configurations.	5.92" X 4.20" X 4.75" (150.4 X 106.7 X 120.7)	<b>RW57350</b>	<b>RW58350</b>
Standard 2-gang box, clear tinted cover, for vertical mounting only; 55-in-1 configurations.	5.54" X 5.43" X 2.75" (140.7 X 138.0 X 69.9)	<b>RW57750</b>	<b>RW58750</b>



RW57300



RW58300



RW57350



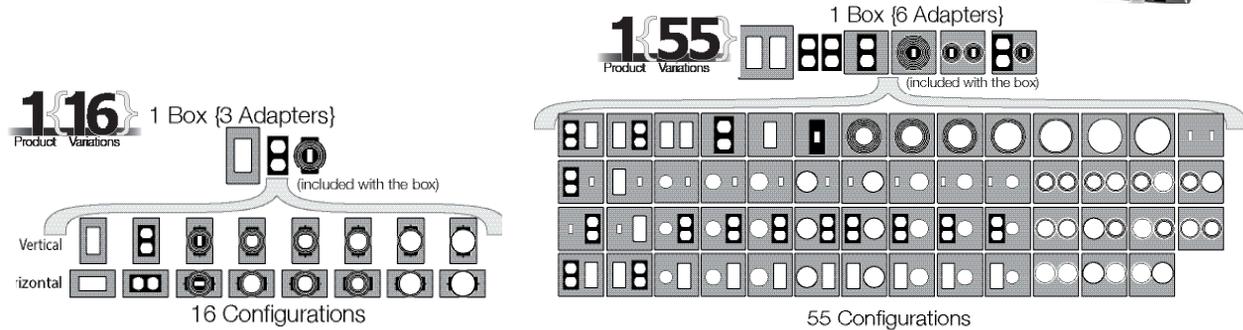
RW58350



RW57750



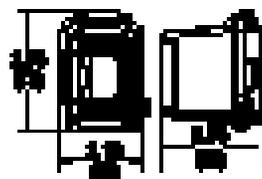
RW58750



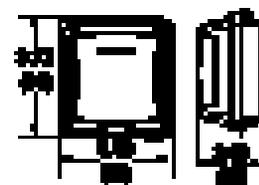
#### Non-Metallic Cover Dimensions



RW58300



RW58350



RW58750

Dimensions in Inches (mm)



# Wallplates and Covers

## Pre-Marked Wallplates

### Features and Benefits

#### Weatherproof Non-Metallic Recessed While-In-Use Extra Duty Covers

Hubbell has added a unique solution to our weatherproof, non-metallic device cover line up with the Recessed In-Use Extra Duty rated Cover. This is a great alternative for locations to meet the NEC code when space and aesthetics are important.

- Aesthetically pleasing flat profile
- Meets the Extra Duty rating
- Versatility, it can be installed for new or old work
- Compatibility with all common siding types and materials: vinyl, wood, stucco and brick/block
- Mounted horizontally or vertically
- Includes an electrical box and optional siding flange
- Compatibility with duplex, GFCI and single receptacles (receptacle not included)
- cULus listed product and NEC and NEMA 3R compliant
- Colors available clear cover with gray, white or bronze back housing



RW5420CW

#### Non-Metallic EXTRA DUTY® While-In-Use Covers

Description	Color	Catalog Number
1-Gang Weatherproof Extra Duty Recessed While-In-Use Cover	Clear/Gray	<b>RW5420CG</b>
	Clear/White	<b>RW5420CW</b>
	Clear/Bronze	<b>RW5420CZ</b>

#### Weatherproof Heavy Cast Aluminum Lockable Cover

Made of heavy cast aluminum that provides high strength. Suitable for industrial and commercial applications.

- Flush enclosure, cover has mounting plate, fits standard 4 inch or 4<sup>11</sup>/<sub>16</sub> inch electrical box
- Adapter plates for GFCI, duplex, single receptacles or switch
- Rated NEMA 3R
- cULus listed



WP4600

#### Weatherproof Heavy Cast Aluminum Lockable Cover

Description	Color	Catalog Number
1-Gang weatherproof 4 in 1 flush enclosure heavy cast aluminum lockable cover.	Aluminum	<b>WP4600</b>

# Wallplates and Covers

## Features and Benefits

### Stainless Steel Weatherproof Flip Covers

Stainless steel weatherproof flip covers are suitable for use in applications where corrosion and sanitation are vital concerns. Heavy duty 316 stainless steel provides an excellent finish and superior corrosion resistance in all applications. Models listed are typically used in indoor/outdoor applications such as, food/chemical processing, pharmaceutical and water treatment facilities.

- Manufactured in heavy duty 316 stainless steel for increased corrosion resistance
- Polished finish for a clean aesthetic appearance
- Smooth surfaces to allow ease of cleaning
- Horizontal and vertical mounting positions
- Duplex and GFCI versions
- UL Type 3R:
  - Rain-tight and sleet (Ice) resistant
  - Self-closing lid
- UL Type 4X:
  - Watertight, dust-tight and corrosion resistant for wash-down application
  - Latching cover



### Industries Commonly Served

- Food and Beverage Production and Distribution
- Chemical Plants
- Water and Wastewater Treatment
- Pharmaceuticals and Cosmetics
- Refining and Extraction Sites
- Petrochemical Operations
- Marine and Coastal Facilities
- Pulp and Paper Mills
- Along with other corrosive environments

### 1-Gang Stainless Steel Weatherproof Flip Covers for Vertical/Horizontal Mounting

Description	Catalog Number
1 Gang, Stainless Steel Duplex Cover, 3R	<b>HBLSS83R</b>
1 Gang, Stainless Steel GFCI Cover, 3R	<b>HBLSS263R</b>
1 Gang, Stainless Steel Duplex Cover, 4X	<b>HBLSS84X</b>
1 Gang, Stainless Steel GFCI Cover, 4X	<b>HBLSS264X</b>

### Specifications

Cover	Stainless Steel
Base	Stainless Steel
Hinge Pin	Stainless Steel
Spring	Stainless Steel
Base Gasket	Elastomer
Cover Gasket	Elastomer
Back Gasket	Eva Form
Ground Screw	Steel, Zinc Plated
Mounting Screw	Stainless Steel

### Product Dimensions

Catalog Number	Height	Width	Depth	Opening
<b>HBLSS83R</b>	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
<b>HBLSS263R</b>	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)
<b>HBLSS84X</b>	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
<b>HBLSS264X</b>	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)



**HBLSS83R**



**HBLSS263R**



**HBLSS84X**



**HBLSS264X**

Dimensions in Inches (mm)

# Wallplates and Covers



## Pool Pump Receptacle Kit and Generator Power Connection Kit

- 2-Gang, die cast aluminum, weatherproof box, compact design
- 2-Gang, polycarbonate, while-in-use cover, high resistance to impact and corrosion
- 20A 125V or 250V heavy duty locking receptacle
- 20A 120-277V AC switch, single pole or double pole
- Locking receptacle prevents accidental disconnection of mating pump plug
- NEMA 3R while-in-use cover, tinted lid aesthetically pleasing for any location

### Pool Pump Receptacle Kit

Description	Catalog Number
20A 125V pool pump receptacle kit, includes a NEMA L5-20 locking receptacle and single pole 20A 120-277V AC switch	<b>PKL520*</b>

*Note: \*Includes mounting hardware, gasket, wire connector, (3) closure plugs for the 1/2 inch threaded outlets and assembly instructions.*



Locking receptacle helps prevent unintentional disconnection of mating pump plug



While-in-use cover protects switch and receptacle from weather and dirt while in use, and can be locked for added security (lock not included)



- Extra deep weatherproof box gives installers the room needed to wire the box efficiently
- State-of-the-art powder-coated finish provides years of protection against the elements
- Includes hardware, gasket and ground screw are provided
- Male inlet is securely mounted to the cover for additional durability
- Industrial grade device
- 1-Gang, cast aluminum

### Generator Power Connection Kit

Description	Catalog Number
NEMA L14-30, 30A 125/250V, 3-pole 4-wire generator kit	<b>RB58405*</b>

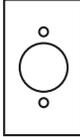
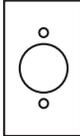
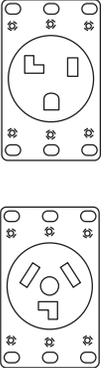
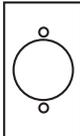
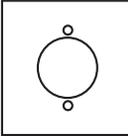
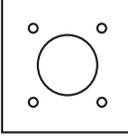
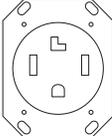
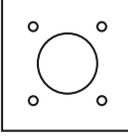
*Note: \*Includes mounting hardware, gasket, ground screw, (2) closure plugs for the 1/2 inch threaded outlets and assembly instructions.*



# Wallplates and Covers

## Selection Chart

### Wallplate Selection Chart for Single Receptacles Inches (mm)

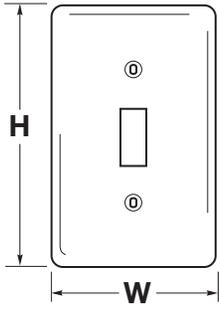
Typical Receptacle	Matching Wallplate	Stainless Steel 302/304	Stainless Steel 430	Solid Brass	Hi-Impact Nylon			
					Ivory	Brown		
 15 or 20 amp straight blade devices	 15 amp locking devices		1-Gang, single receptacle 1.40 in. (35.6) I.D. opening	<b>SS7</b>	<b>SS7L</b>	<b>SB7</b>	<b>P7I</b>	<b>P7*</b>
	20 or 30 amp locking devices 3-wire, 4-wire or 5-wire		1-Gang, single receptacle 1.60 in. (40.6) I.D. opening	<b>SS720</b>	—	<b>SB720</b>	<b>P720I</b>	<b>P720*</b>
	30 or 50 amp 3-wire power outlets		1-Gang, power outlet 2.15 in. (54.6) I.D. opening	<b>SS723</b>	<b>SS723L</b>	—	<b>P724I</b>	<b>P724*</b>
			2-Gang, power outlet 2.15 in. (54.6) I.D. opening	<b>SS702</b>	—	—	—	—
			2-Gang, 2.15 in. (54.6) I.D. opening 1.81 in. W (46.0) x 2.38 in. H (60.3) mounting	<b>SS703</b>	<b>SS703L</b>	—	<b>P703I</b>	<b>P703*</b>
	30, 50 or 60 amp 3-wire power outlets		2-Gang, 2.48 in. (63.0) I.D. opening 1.81 in. W (46.0) x 2.38 in. H (60.3) mounting	<b>SS701</b>	—	—	—	—

Note: \*Catalog number indicated is Brown, for full offering of color options and materials see pages Q-7 and Q-8.

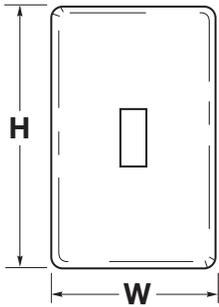
# Wallplates and Covers

## Wallplate Dimensions

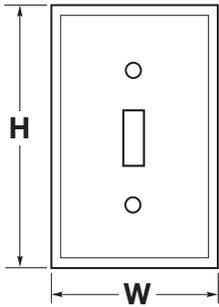
### Wallplate Dimensions



Size	Thermoplastic					
	Standard		Mid-Size		Jumbo-Size	
	Height	Width	Height	Width	Height	Width
1-Gang	4.63" (117.6)	2.88" (73.2)	4.94" (125.3)	3.15" (80.0)	5.25" (133.4)	3.50" (88.9)
2-Gang	4.63" (117.6)	4.69" (119.1)	4.94" (125.3)	5.00" (126.9)	5.25" (133.4)	5.31" (134.9)
3-Gang	4.63" (117.6)	6.50" (165.1)	4.88" (123.8)	6.75" (171.5)		
4-Gang	4.63" (117.6)	8.31" (211.1)	4.88" (123.8)	8.56" (217.4)		
5-Gang	4.63" (117.6)	10.12" (257.1)				
6-Gang	4.63" (117.6)	11.94" (303.1)				



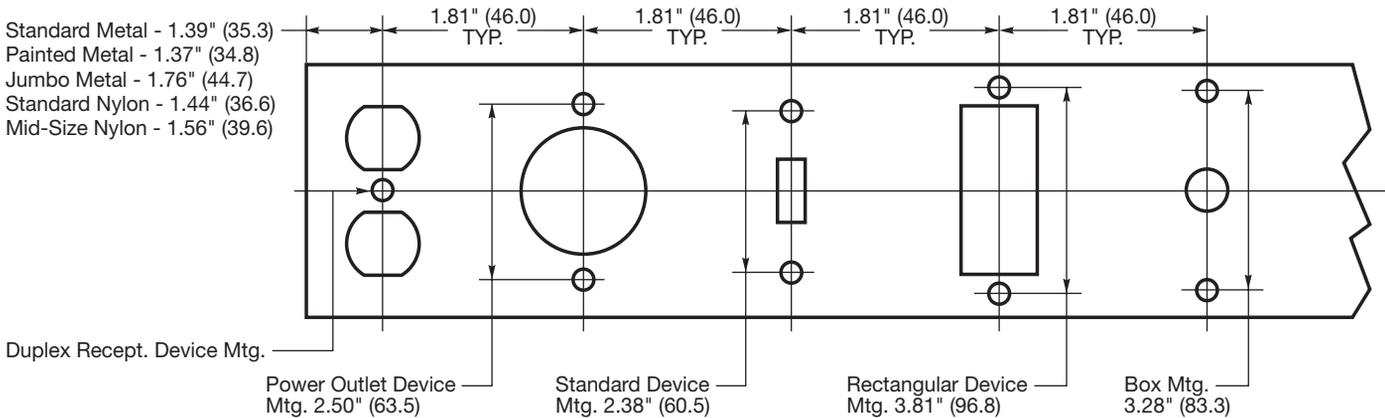
Size	Snap-On Thermoplastic		
	Height	Width	Depth
1-Gang	4.75" (120.6)	3.00" (76.2)	.25" (6.35)
2-Gang	4.75" (120.6)	4.81" (122.2)	.25" (6.35)
3-Gang	4.75" (120.6)	6.62" (168.2)	.25" (6.35)
4-Gang	4.75" (120.6)	8.44" (214.3)	.25" (6.35)



Size	Standard Metal		Painted Metal		Jumbo Metal	
	Height	Width	Height	Width	Height	Width
1-Gang	4.50" (114.3)	2.87" (72.9)	4.50" (114.3)	2.75" (69.8)	5.25" (133.4)	3.50" (88.9)
2-Gang	4.50" (114.3)	4.60" (116.8)	4.50" (114.3)	4.56" (115.8)	5.25" (133.4)	5.31" (134.9)
3-Gang	4.50" (114.3)	6.41" (162.8)	4.50" (114.3)	6.38" (162.1)		
4-Gang	4.50" (114.3)	8.22" (208.8)	4.50" (114.3)	8.18" (207.8)		
5-Gang	4.50" (114.3)	10.03" (254.8)	4.50" (114.3)	10.00" (254.0)		
6-Gang	4.50" (114.3)	11.81" (300.0)	4.50" (114.3)	11.81" (300.0)		
7-Gang	4.50" (114.3)	13.68" (347.5)				
8-Gang	4.50" (114.3)	15.44" (392.1)				

### Wallplate Openings and Mounting Dimensions

#6-32 Oval Head Screws Typical



Note: Specifications are subject to change without notice.

# Wallplates and Covers

## Custom Metal Wallplates

### How To Select A Custom Metal Wallplate

#### Step 1:

Determine wallplate material and enter in box marked "Catalog Number"

Smooth Metal Material	Code
Aluminum	<b>AL</b>
Brass plated steel	<b>BP</b>
Solid brass	<b>BR</b>
Chrome plated steel	<b>CH</b>
Stainless steel 302/304	<b>SS</b>

Determine number of gangs required and enter in box marked "Catalog Number" next to material.

Number of Gangs	Code
1-Gang	<b>1</b>
2-Gang	<b>2</b>
3-Gang	<b>3</b>
4-Gang	<b>4</b>
5-Gang	<b>5</b>
6-Gang	<b>6</b>
7-Gang	<b>7</b>
8-Gang	<b>8</b>

Enter Catalog Number.

◆ **BWC\***    **SS**    **4**

#### Step 2:

Enter quantity.

#### Step 3: Select the custom metal wallplate configuration.

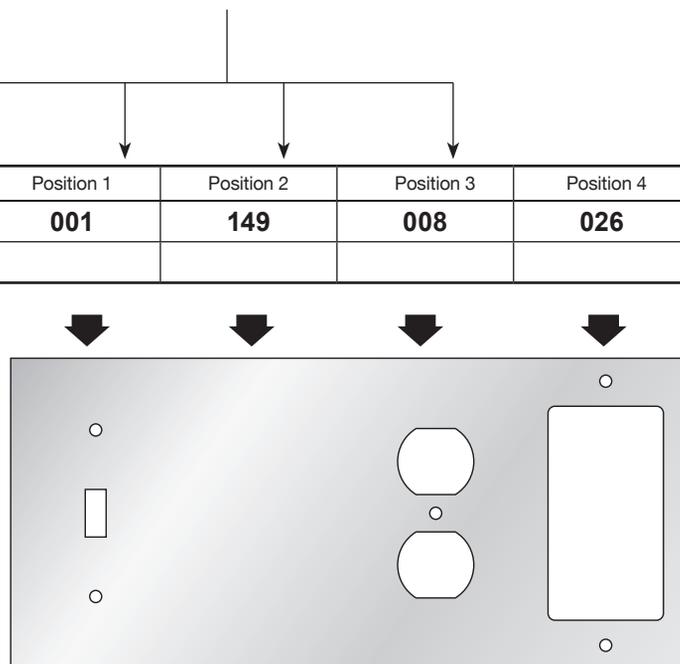
Refer to the custom wallplate configuration chart to select a configuration for each gang in the wallplate. Each configuration has a specific 3-digit code located in the chart on page Q-30. Enter this 3-digit configuration code in the corresponding box on the order form grid to match the position required on the finished custom wallplate.

Item No.	Catalog Number	Quantity	Code	Position 1	Position 2	Position 3	Position 4
<b>1</b>	<b>BWCSS4</b>		<b>B*</b>	<b>001</b>	<b>149</b>	<b>008</b>	<b>026</b>
<b>2</b>							

Note: \*BWC are preprinted on the distributor order form.

◆ Number to use for pricing.

The 3-digit numbers listed in the Sample Order Form above (001, 149, etc.) represent the configuration for the custom metal wallplate selected on the right. See Configuration Chart and Bryant Configuration Selector Guide on page Q-30 for additional configuration choices.



## Custom Metal Wallplates

### Configuration Chart Inches (mm)

	<b>001</b> Switch.		<b>058</b> 1-gang .50" ID (12.7) Hole Box Mounted.
	<b>007</b> Single Receptacle. 1.40" ID (35.6) Hole.		<b>078</b> Barrel Key Switch.
	<b>008</b> Duplex Receptacle.		<b>079</b> Barrel Key Switch with hash marks.
	<b>011</b> 1-gang .635" ID (16.1) Hole Box Mounted with .50" ID (12.7) Nylon Bushing.		<b>080</b> Barrel Key Switch with ON/OFF and hash marks.
	<b>012</b> 1-gang .635" ID (16.1) Hole Strap Mounted incl. Strap with .50" ID (12.7) Nylon Bushing.		<b>091</b> Single Receptacle. 1.60" ID (40.5) Hole.
	<b>013</b> Blank Box Mounted.		<b>098</b> Single Receptacle. 2.16" ID (54.7) Hole.
	<b>014</b> Blank Strap Mounted incl. Strap.		<b>135</b> Vertical Mounted Louver.
	<b>026</b> Rectangular Opening.		<b>149</b> Totally Blank (no mounting holes).
	<b>055</b> 1-gang .375" ID (9.5) Hole Strap Mounted incl. Strap.	<b>Coax/Twinax and Modular Jack Openings</b>	
	<b>056</b> 1-gang .375" ID (9.5) Hole Box Mounted.		<b>456</b> .375" (9.5) Dia. Round Box Mounted.
	<b>057</b> 1-gang .50" ID (12.7) Hole Strap Mounted incl. Strap.		<b>458</b> .500" (12.7) Dia. Round Box Mounted.
			<b>411</b> .635" (16.1) Dia. Round Box Mounted.

Note: For detailed dimensions of the above configurations, contact Technical Service at [btechserv@bryant.com](mailto:btechserv@bryant.com). Available in brushed metal, standard size only up to and including 8-gang type.

# Section R

## Network Wiring

Table of Contents	Page
In-Wall AV Delivery . . . . .	R-2
HDMI Products . . . . .	R-2
Network Enclosures . . . . .	R-3
Network Modules . . . . .	R-4
AV Modules . . . . .	R-5
Patch Panels and Patch Cords . . . . .	R-6
Accessories . . . . .	R-7
Connectivity . . . . .	R-8
Video and Audio Keystone Connections. . . . .	R-9
AV Keystone Connections . . . . .	R-10
Frames and Plates . . . . .	R-11
Molded-In Voice/Data/Video Frames . . . . .	R-12
Molded-In Plates . . . . .	R-13
Telephone Jacks . . . . .	R-14
Modular Connectors. . . . .	R-15
Modular Face Plate Frames and Modules . . . . .	R-16
Modules and Frames . . . . .	R-17
AV 110 Everywhere™ Analog AV Over UTP. . . . .	R-18
Termination Tools. . . . .	R-19
Standard UTP Wiring Conventions . . . . .	R-20





### FDTV Connection Enclosure Inches (mm)

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Catalog Number
2-gang in-wall enclosure	7.92" (201)	8.16" (207)	3.37" (86)	<b>NSAV62M</b>
4-gang in-wall enclosure	7.92" (201)	14.80" (376)	3.37" (86)	<b>NSAV124M</b>
Steel cover for NSAV62M	7.2" (183)	7.2" (183)	0.05" (1)	<b>NSAV6C</b>
Steel cover for NSAV124M	7.2" (183)	13.80" (351)	0.05" (1)	<b>NSAV12C</b>
Block wall adapter				<b>NSAV6BW</b>
New work stud brackets				<b>NSAV6NW</b>

### Power Kits

Description	Color	Catalog Number
Standard power kit, includes wallplate, box and 15A tamper-resistant outlet	White	<b>NSOKPTR</b>
Surge protected power kit, includes wallplate, box and surge protected outlet	Blue	<b>NSOKPS</b>



### HDMI Frames

Description	Color	1-Gang, 1-Port	1-Gang, 2-Port
HDMI, decorator frame, female to female	Black	<b>NS801BK</b>	<b>NS802BK</b>
	Gray	<b>NS801GY</b>	<b>NS802GY</b>
	Ivory	<b>NS801I</b>	<b>NS802I</b>
	Light Almond	<b>NS801LA</b>	<b>NS802LA</b>
	White	<b>NS801W</b>	<b>NS802W</b>

### Recessed Receptacles

Color	15A 125V, Tamper-Resistant Duplex Receptacle		
	1-Gang	2-Gang with Feed-Through	2-Gang with Snap Fit
Ivory	<b>RR1510I</b>	<b>RR1512I</b>	<b>RR1514I</b>
Light Almond	<b>RR1510LA</b>	<b>RR1512LA</b>	<b>RR1514LA</b>
White	<b>RR1510W</b>	<b>RR1512W</b>	<b>RR1514W</b>

### Feed-Through Plates

Color	1-Gang	2-Gang
Ivory	<b>NSAV11*</b>	<b>NSAV21*</b>
White	<b>NSAV1W*</b>	<b>NSAV2W*</b>

Note: \*Not UL Listed.



### Two and Three Gangable AV Wallboxes Inches (mm)

Box	Dimensions			Top Knockouts	Bottom Knockouts	Back Knockouts	Catalog Number
	Height	Width	Depth				
2-Gang, 2" KO, 54 in <sup>3</sup> capacity	4.21" (107)	4.06" (103)	4.0" (102)	(2) ½ (2) ½- ½TKO*	(1) 1", 1 ½ 1 ½ and 2"	(2) ½- ½TKO	<b>HBL985</b>
3-Gang, 2" KO, 79 in <sup>3</sup> capacity	4.21" (107)	5.87" (149)	4.0" (102)	(3) ½ (3) ½- ½TKO*	(1) ½ (1) ½- ½TKO* (1) 1", 1 ½ 1 ½ and 2"	(3) ½- ½TKO	<b>HBL986</b>

Note: \*TKO (Tangential Knockout).

### Wallbox

Description	Color	Catalog Number
2-Gang, nail-on box, thermoplastic	Blue	<b>RR1500</b>

### Low Voltage AV Wallbox Partitions

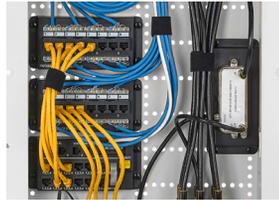
Compatible With	Description	Quantity	Catalog Number
HBL985 and HBL986	Solid divider	1	<b>HBL989</b>
	With pass-thru capability	1	<b>HBL989AVD</b>



Flexibility

### Specifications

- Material: high-impact thermoplastic to minimize WiFi degradation
- Finish: white, satin finish
- UL and cULus Listed



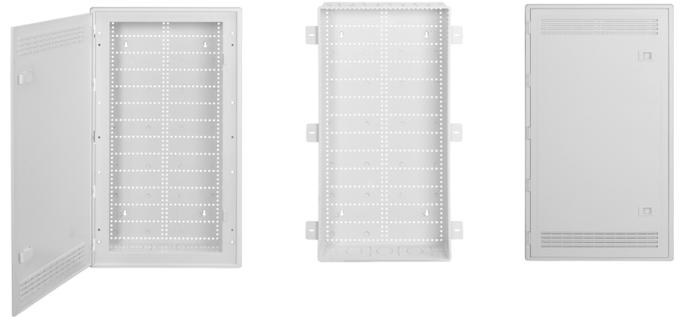
#### Options

Horizontal and vertical module mounting holes for maximum flexibility.



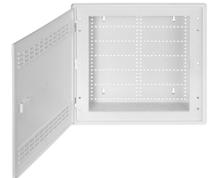
#### Installation

Additional nylon push pins provided to assist module mounting.



### 14-Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Module Unit Capacity	Catalog Number
With hinged vented door	16.2" (412)	17.5" (445)	4.35" (111)	5	<b>NSOBXP14</b>
14" height box only	13.5" (343)	17.1" (434)	3.95" (100)	5	<b>NSOBXP14B</b>
Hinged vented door	16.2" (412)	17.5" (445)	0.4" (10)	-	<b>NSOBXP14D</b>



### 28-Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Module Unit Capacity	Catalog Number
With hinged vented door	30" (762)	17.5" (445)	4.35" (111)	11	<b>NSOBXP28</b>
28" height box only	27.7" (704)	17.1" (434)	3.95" (100)	11	<b>NSOBXP28B</b>
Hinged vented door	30" (762)	17.5" (445)	0.4" (10)	-	<b>NSOBXP28D</b>



### 42-Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Module Unit Capacity	Catalog Number
					<b>NSOBXP42</b>
					<b>NSOBXP42B</b>
					<b>NSOBXP42D</b>





- Category 6 networking module component
- Horizontal or vertical module mounting options
- DSL, VoIP and ethernet ready
- Finish: black, powder coat
- Material: 18 gauge steel or high impact plastic
- UL and cULus Listed 1863
- All data and phone modules 568A wired

### Combination Modules

6-port telephone panel and 6-port coaxial splitter with optional 6-port Category 5e panel provides voice, video, and data distribution in a space efficient package; perfect for use with NSOBOX10 and NS790xx plates to quickly establish a comprehensive home network

Description	Units	Catalog Number	
6-port telephone and video	3	<b>NSOTVM6</b>	
6-port telephone, video and Category 5e	3	<b>NSOTVDM6</b>	
6-port Category 5e data upgrade kit	3	<b>NSODK6</b>	

### Primary Telephone Module

Description	Units	Catalog Number	
8-port phone outlets with up to (4) incoming lines for voice, fax or modem applications in a protected PCB module; pre-mounted push pins snap the module quickly into place; RJ31X interface jack included for security system connection; RJ45 jack interfaces with optional NSOETM8 telephone expansion module for additional extensions	1	<b>NSOPTM8</b>	

### Expansion Telephone Module

Description	Units	Catalog Number	
8-port adds an additional (8) phone outlets with up to (4) incoming lines when used with the primary telephone module; pre-mounted push pins snap the module quickly into place; includes RJ45 jumper cord to connect with NSOPTM8 primary telephone module	1	<b>NSOETM8</b>	

### Data Modules

Description	Units	Catalog Number	
Category 5e data module, 8-port supports Gigabit Ethernet for up to (8) Category 5e data lines with front 110 punch-down terminations in a protected PCB module; pre-mounted push pins snap the module quickly into place	1	<b>NSODM8</b>	
Category 6 data module, 8-port supports enhanced transmission speeds beyond Gigabit Ethernet; future-proof for tomorrow's applications	1	<b>NSODM8C6</b>	

### Patchable Telecom Module

Description	Units	Catalog Number	
Terminates lines via modular plug to accommodate flexibility, by changing plug locations; reconfigure where phone lines go at the panel level; allows data lines to be converted to voice, with the move of a patch cord; includes nine RJ45 jumper cords	2	<b>NSOMTM24</b>	

### Multi-Provider Patchable Telecom Module

Description	Units	Catalog Number	
12-port telephone module distributes 4 incoming lines out to 12 locations through RJ-45 jacks; allows data lines 1 to be converted to voice with the move of a patch cord; RJ31X interface jack is included for security system connection		<b>NSOMTM12</b>	



- netSELECT® video modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas
- Pre-mounted push pins snap the module quickly into place
- Supports digital and analog video
- Finish: black, powder coat
- UL and cULus Listed 1863

### 4-Way Coaxial Splitter Modules

Description	Units	Catalog Number
		<b>NSOVM4</b>
		<b>NSOVM42G</b>



### 6-Way Coaxial Splitter Modules

One incoming line, six outgoing

Description	Units	Catalog Number
1GHz, basic unit	1	<b>NSOVM6</b>
2.3GHz, enhanced capability	1	<b>NSOVM62G</b>



### 8-Way Coaxial Splitter Modules

One incoming line, eight outgoing

Description	Units	Catalog Number
1GHz, basic unit	1	<b>NSOVM8</b>
2.3GHz, enhanced capability	1	<b>NSOVM82G</b>



### Fixed Video Amplifier Module

120 Volt rated

Description	Units	Catalog Number
Provides 10dB video signal amplification for incoming cable feeds recommended for use when more than four outputs are installed or when signal level is low; provides 10dB forward path gain and supports current digital cable systems and modems with a passive return; pre-mounted push pins snap the module quickly into place; includes RG-59 cable jumper to connect amplifier to passive video splitter	1	<b>NSOVAMP</b>



### Eight Room Audio Module

Description	Units	Catalog Number
		<b>NSOAM8</b>



### Blank Module Bracket

Description	Units	Catalog Number
		<b>NSOBM2</b>

Allows mounting of active components (i.e. switches, routers) or other devices onto a modular platform; (2) VELCRO® brand fasteners included to mount components onto module; pre-mounted push pins snap the module quickly into place; 2-pack



VELCRO® is a registered trademark of Velcro Industries B.V.



## Specifications

- TIA 568-C.2 Category 5e/6 component compliant
- cULus Listed



## Jack Panels

Ports	Category	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Type	Catalog Number
24	-	1.72" (44)	19.00" (483)	1.24" (31)	Jack Panel	<b>NSPJ24</b>
48	-	3.47" (88)	19.00" (483)	1.21" (31)	Jack Panel	<b>NSPJ48</b>

## NSC Patch Cords



## Specifications

- Conductor: 24AWG UTP
- Jacket: Flame-Retardant PVC-CM Rated
- Plug Body: Polycarbonate UL 94V-0



## NSC Patch Cords, Category 6

Length (ft)	Color							
	Black	Blue	Gray	Green	Orange	Purple	Red	White
1'	NSC6BK01	NSC6B01	NSC6GY01	NSC6GN01	NSC6OR01	NSC6P01	NSC6R01	NSC6W01
3'	NSC6BK03	NSC6B03	NSC6GY03	NSC6GN03	NSC6OR03	NSC6P03	NSC6R03	NSC6W03
5'	NSC6BK05	NSC6B05	NSC6GY05	NSC6GN05	NSC6OR05	NSC6P05	NSC6R05	NSC6W05
7'	NSC6BK07	NSC6B07	NSC6GY07	NSC6GN07	NSC6OR07	NSC6P07	NSC6R07	NSC6W07
10'	NSC6BK10	NSC6B10	NSC6GY10	NSC6GN10	NSC6OR10	NSC6P10	NSC6R10	NSC6W10
15'	NSC6BK15	NSC6B15	NSC6GY15	NSC6GN15	NSC6OR15	NSC6P15	NSC6R15	NSC6W15

## NSC Patch Cords, Category 5e

Length (ft)	Color							
	Black	Blue	Gray	Green	Orange	Purple	Red	White
1'	NSC5EBK01	NSC5EB01	NSC5EGY01	NSC5EGN01	NSC5EOR01	NSC5EP01	NSC5ER01	NSC5EW01
3'	NSC5EBK03	NSC5EB03	NSC5EGY03	NSC5EGN03	NSC5EOR03	NSC5EP03	NSC5ER03	NSC5EW03
5'	NSC5EBK05	NSC5EB05	NSC5EGY05	NSC5EGN05	NSC5EOR05	NSC5EP05	NSC5ER05	NSC5EW05
7'	NSC5EBK07	NSC5EB07	NSC5EGY07	NSC5EGN07	NSC5EOR07	NSC5EP07	NSC5ER07	NSC5EW07
10'	NSC5EBK10	NSC5EB10	NSC5EGY10	NSC5EGN10	NSC5EOR10	NSC5EP10	NSC5ER10	NSC5EW10
15'	NSC5EBK15	NSC5EB15	NSC5EGY15	NSC5EGN15	NSC5EOR15	NSC5EP15	NSC5ER15	NSC5EW15

Note: Additional lengths available; contact Customer Service for details



- netSELECT® accessories enhance system capabilities
- Volume controls expand home audio applications
- Cabinet mounted receptacle kits provide convenient power to the enclosure
- Audio controls available in slide or rotary
- Receptacles available in surge and standard kits



### Slide Audio Volume Controller

Description	Color	Catalog Number
Decorator styling; power handling 70W RMS@20° C; impedance matching for up to 8 pairs of speakers; includes both ivory and white slides and frames	Ivory/White	<b>NSOSAVC</b>

### Rotary Audio Volume Controller

Description	Color	Catalog Number
Power handling 70W RMS@20° C; impedance matching for up to 8 pairs of speakers; includes both ivory and white knobs and frames	Ivory/White	<b>NSORAVC</b>

### Surge Suppression Power Kit

Description	Catalog Number
Includes surge receptacle 15A 125V; NEMA® type 5-15R, 240 joules/15,000A protection; per mode; electrical steel box and wallplate	<b>NSOKPS*</b>

### Panel Bracket Adapter

Description	Catalog Number
For use with adapter panels shown below and FSP series modules on pages G9–G11; snap mounts into structured cabling enclosures	<b>NSOFBS</b>

### Lock Kit

Description	Catalog Number
Chromed steel; includes two keys; eliminates unwanted tampering	<b>FLOCK1**</b>

### F-Connector Adapter Panel

Description	Catalog Number
F-connector adapter panel with six populated coaxial connectors	<b>FSPFP6X</b>

### Standard Power Kit

Description	Catalog Number
Includes duplex receptacle 15A 125V; NEMA® type 5-15R electrical steel box and wallplate	<b>NSOKPTR*</b>

### Keystone Adapter Panel

Description	Catalog Number
Features six blank openings for jacks and snap fits	<b>FSPHD6X</b>

### Cable Management Clip

Description	Catalog Number
Accepts 14" or smaller cable ties; 5-pck	<b>NSOBXCLIP</b>

\*Kits comprised of UL listed components

\*\*Not UL or cULus Listed

NEMA is a registered trademark of the National Electrical Manufacturers Association.

netSELECT® Voice/Data Jacks provide for a wide range of applications ranging from high performance data demands of Cat. 6 and Cat. 5e, to simple voice grade USOC jacks.

- Easy to terminate angled wiring towers
- Meets FCC part 68
- Meets and exceeds ANSI/TIA - Category 6 and Category 5e standards
- UL Listed and CSA Certified



### netSELECT® Category 6, 5e and USOC Jacks

Color	Modular Snap Fit Cat. 6 Jack (single)	Modular Snap Fit Cat. 6 Jack (25 pack)	Modular Snap Fit Cat. 5e Jack (single)	Modular Snap Fit Cat. 5e Jack (25 pack)	Modular Snap Fit USOC Jack
Black	<b>NSJ6BK</b>	<b>NSJ6BK25</b>	<b>NSJ5EBK</b>	<b>NSJ5EBK25</b>	<b>NSJUBK</b>
Blue	<b>NSJ6B</b>	<b>NSJ6B25</b>	<b>NSJ5EB</b>	<b>NSJ5EB25</b>	<b>NSJUB</b>
Gray	<b>NSJ6GY</b>	<b>NSJ6GY25</b>	<b>NSJ5EGY</b>	<b>NSJ5EGY25</b>	<b>NSJUGY</b>
Green	<b>NSJ6GN</b>	<b>NSJ6GN25</b>	<b>NSJ5EGN</b>	<b>NSJ5EGN25</b>	<b>NSJUGN</b>
Ivory	<b>NSJ6I</b>	<b>NSJ6I25</b>	<b>NSJ5EI</b>	<b>NSJ5EI25</b>	<b>NSJUI</b>
Light Almond	<b>NSJ6LA</b>	<b>NSJ6LA25</b>	<b>NSJ5ELA</b>	<b>NSJ5ELA25</b>	<b>NSJULA</b>
Orange	<b>NSJ6OR</b>	<b>NSJ6OR25</b>	<b>NSJ5EOR</b>	<b>NSJ5EOR25</b>	<b>NSJUOR</b>
Red	<b>NSJ6R</b>	<b>NSJ6R25</b>	<b>NSJ5ER</b>	<b>NSJ5ER25</b>	<b>NSJUR</b>
White	<b>NSJ6W</b>	<b>NSJ6W25</b>	<b>NSJ5EW</b>	<b>NSJ5EW25</b>	<b>NSJUW</b>
Yellow	<b>NSJ6Y</b>	<b>NSJ6Y25</b>	<b>NSJ5EY</b>	<b>NSJ5EY25</b>	<b>NSJUY</b>



### RJ-45 Couplers

Female to Female Couplers

Housing Color	Category 6, Pass-Thru	Category 5e, Pass-Thru	Category 5e, Cross Over 10/100BASE-T
Black	<b>SFC6BK</b>	<b>SFC5EBK</b>	-
Gray	-	-	<b>SF5ECOY</b>
White	<b>SFC6W</b>	<b>SFC5EW</b>	-

### HDMI 1.4 Connectors for IMB and ISFB Series Blanks

Color	HDMI Keystone Feed-Thru	HDMI Feed-Thru Coupler	HDMI Feed-Thru 3-Inch Tail
	<b>SFHC14BK</b> <b>SFHC14W</b>	<b>HDMIC14</b>	<b>HDMIT14</b>
		-	-

### USB Connectors

Pass-Thru, Female to Female Couplers

Housing Color	USB 3.0, A to A	USB 3.0, A to B	USB 2.0, A to A	USB 2.0, A to B
Black	<b>SFUSBAA3BK</b>	<b>SFUSBAB3BK</b>	-	-
Blue	-	-	<b>SFUSBAAB</b>	<b>SFUSBABB</b>
Office White	-	-	<b>SFUSBAAOW</b>	<b>SFUSBABOW</b>
White	-	-	<b>SFUSBAAW</b>	<b>SFUSBABW</b>



### HDMI Non-Active Horizontal Patch Cords

Black, Non-Plenum, #24 AWG, HDMI 4K

Length (ft)	HDMI Device Patch Cords	Length (ft)	In-Wall Cords, (Male with Screw to Male with Screw)
3	<b>HDPC03BK</b>	10	<b>HDH10BK</b>
6	<b>HDPC06BK</b>	15	<b>HDH15BK</b>
		20	<b>HDH20BK</b>
		25	<b>HDH25BK</b>
		30	<b>HDH30BK</b>

Note: See page R-12 for modules and frames.



### F-Type Connectors

Pass-Thru, F/F Coupler

	Nickel	Gold			
Color	2GHz	3GHz	2GHz	Recessed	RCA to F-Connector
Black	<b>SFFBX</b>	<b>SFF3GBK</b>	<b>SFFGBK</b>	<b>SFGRFBK</b>	<b>SFRFGBK</b>
Ivory	<b>SFFEX</b>	<b>SFF3GEI</b>	<b>SFFGEI</b>	<b>SFGRFEI</b>	<b>SFRFGEI</b>
Gray	<b>SFFGX</b>	<b>SFF3GGY</b>	<b>SFFGGY</b>	<b>SFGRFGY</b>	<b>SFRFGGY</b>
Office White	<b>SFFX</b>	<b>SFF3GOW</b>	<b>SFFGOW</b>	<b>SFGRFOW</b>	<b>SFRFGOW</b>
White	<b>SFFWX</b>	<b>SFF3GW</b>	<b>SFFGW</b>	<b>SFGRFW</b>	<b>SFRFGW</b>

### Blank Connectors and Couplers

10-Pack

Color	Blank Connector	Smooth Blank Connector
Black	<b>SFB10</b>	<b>SFSBBK10</b>
Ivory	<b>SFBE10</b>	<b>SFSBE10</b>
Gray	<b>SFBG10</b>	<b>SFSBGY10</b>
Light Almond	-	<b>SFSBLA10</b>
Office White	<b>SFB10</b>	-
White	<b>SFBW10</b>	<b>SFSBW10</b>

### F-Connector Plugs

25-Pack

Termination Type	Cable Type	Catalog Number
Compression	RG6	<b>FRG625</b>
Crimp	RG6	<b>FRG6C25</b>



### 3.5mm Stereo Jacks

Color	3.5mm to Solder	3.5mm to Screw Terminal	3.5mm Pass-Thru, F/F Coupler	3.5mm Pass-Thru, Gold, F/F Coupler
Black	<b>SF35SJBK</b>	<b>SF35STBK</b>	<b>SF35FFBK</b>	<b>SF35GFFBK</b>
Ivory	<b>SF35SJEI</b>	<b>SF35STEI</b>	<b>SF35FFEI</b>	<b>SF35GFFEI</b>
Gray	<b>SF35SJGY</b>	<b>SF35STGY</b>	<b>SF35FFGY</b>	<b>SF35GFFGY</b>
Office White	<b>SF35SJOW</b>	<b>SF35STOW</b>	<b>SF35FFOW</b>	<b>SF35GFFOW</b>
White	<b>SF35SJW</b>	<b>SF35STW</b>	<b>SF35FFW</b>	<b>SF35GFFW</b>

### 1/4" Stereo Jack

Solder Color	
Black	<b>SF14SJBK</b>
Ivory	<b>SF14SJEI</b>
Gray	<b>SF14SJGY</b>
Office White	<b>SF14SJOW</b>
White	<b>SF14SJW</b>

### Speaker Post Connectors

Screw Termination, Gold

Color	Black	Red
Black	<b>SFSPGBK</b>	<b>SFSPGRBK</b>
Ivory	<b>SFSPGBKEI</b>	<b>SFSPGREI</b>
Gray	<b>SFSPGBKGY</b>	<b>SFSPGRGY</b>
Office White	<b>SFSPGBKOW</b>	<b>SFSPGRGW</b>
White	<b>SFSPGBKW</b>	<b>SFSPGRW</b>

### Speaker Banana Plugs

Screw Termination, Gold, 10-Pack

Black	Red
<b>SPPBK10</b>	<b>SPPR10</b>

Light Almond is the same color as Office White. See color chart on page V30.



### RCA Connectors, Solder Termination

Housing Color	Insulator Color						
	Black	Blue	Green	Orange	Red	White	Yellow
Black	SFRCBKBK	SFRCBBK	SFRCGNBK	SFRCORBK	SFRCRBK	SFRCWBK	SFRCYBK
Ivory	SFRCBKEI	SFRCBEI	SFRCGNEI	SFRCOREI	SFRCREI	SFRCWEI	SFRCYEI
Gray	SFRCBKGY	SFRCBGY	SFRCNGY	SFRCORY	SFRCRGY	SFRCWGY	SFRCYGY
Office White	-	SFRCBOW	SFRCGNOW	SFRCOROW	SFRCROW	SFRCWOW	SFRCYOW
White	SFRCBKW	SFRCBW	SFRCGNW	SFRCORW	SFRCRW	SFRCWW	SFRCYW



### RCA Connectors, Pass-Thru, Recessed

Housing Color	Insulator Color						
	Black	Blue	Green	Orange	Red	White	Yellow
Black	SFRCBKRBK	SFRCBRBK	SFRCGNRBK	SFRCORRBK	SFRCRRBK	SFRCWRBK	SFRCYRBK
Ivory	SFRCBKREI	SFRCBREI	SFRCGNREI	SFRCORREI	SFRCRREI	SFRCWREI	SFRCYREI
Gray	SFRCBKRGY	SFRCBRGY	SFRCGNRGY	SFRCORRGY	SFRCRRGY	SFRCWRGY	SFRCYRGY
Office White	SFRCBKROW	SFRCBROW	SFRCGNROW	SFRCORROW	SFRCRRROW	SFRCWROW	SFRCYROW
White	SFRCBKRW	SFRCBRW	SFRCGNRW	SFRCORRW	SFRCRRW	SFRCWRW	SFRCYRW



### RCA Connectors, Pass-Thru, Gold, Female to Female Coupler

Housing Color	Insulator Color						
	Black	Blue	Green	Orange	Red	White	Yellow
	SFRCBKFFBK	SFRCBFFBK	SFRCGNFFBK	SFRCORFFBK	SFRCRFFBK	SFRCWFFBK	SFRCYFFBK
	SFRCBKFFEI	SFRCBFFEI	SFRCGNFFEI	SFRCORFFEI	SFRCRFFEI	SFRCWFFEI	SFRCYFFEI
	SFRCBKFFGY	SFRCBFFGY	SFRCGNFFGY	SFRCORFFGY	SFRCRFFGY	SFRCWFFGY	SFRCYFFGY
	SFRCBKFF	SFRCBFFOW	SFRCGNFFOW	SFRCORFFOW	SFRCRFF	SFRCWFF	SFRCYFF
	SFRCBKFFW	SFRCBFFW	SFRCGNFFW	SFRCORFFW	SFRCRFFW	SFRCWFFW	SFRCYFFW



- Provide a stylized look for a finishing touch
- Multimedia jacks insert into frame for custom configurations
- Elongated strap for better wall box mounting
- High impact-resistant thermoplastic frame
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified



### Decorator Frames

Color	2-Port	3-Port	4-Port	6-Port	Adapter .406" (10.3) Dia. Hole	Adapter Blank
Black	NS612BK	NS613BK	NS614BK	NS616BK	—	NS620BK
Gray	NS612GY	NS613GY	NS614GY	NS616GY	—	NS620GY
Ivory	NS612I	NS613I	NS614I	NS616I	NS621I	NS620I
Light Almond	NS612LA	NS613LA	NS614LA	NS616LA	NS621LA	NS620LA
White	NS612W	NS613W	NS614W	NS616W	NS621W	NS620W

Note: Use NS621 series with rotary dimmers or to pull through AV or telephone cable, use NS620 series to fill an extra decorator opening or create customized openings.

### 1-Gang Multimedia Face Plates

Standard						
Color	1-Port	2-Port	3-Port	4-Port	6-Port	
Black	NSP11BK	NSP12BK	NSP13BK	NSP14BK	NSP16BK	
Gray	NSP11GY	NSP12GY	NSP13GY	NSP14GY	NSP16GY	
Ivory	NSP11I	NSP12I	NSP13I	NSP14I	NSP16I	
Light Almond	NSP11LA	NSP12LA	NSP13LA	NSP14LA	NSP16LA	
White	NSP11W	NSP12W	NSP13W	NSP14W	NSP16W	

Midsize						
Color	1-Port	2-Port	3-Port	4-Port	6-Port	
Black	NSP101BK	NSP102BK	NSP103BK	NSP104BK	NSP106BK	
Gray	NSP101GY	NSP102GY	NSP103GY	NSP104GY	NSP106GY	
Ivory	NSP101I	NSP102I	NSP103I	NSP104I	NSP106I	
Light Almond	NSP101LA	NSP102LA	NSP103LA	NSP104LA	NSP106LA	
White	NSP101W	NSP102W	NSP103W	NSP104W	NSP106W	

### 2-Gang Multimedia Face Plates

Standard		
Color	4-Port	6-Port
Black	NSP24BK	NSP26BK
Gray	NSP24GY	NSP26GY
Ivory	NSP24I	NSP26I
Light Almond	NSP24LA	NSP26LA
White	NSP24W	NSP26W

### Duplex 106 Outlet Frames

Color	2-Port	4-Port
Black	BR106B	Q106B
Ivory	BR106E	Q106E
Gray	BR106G	Q106G
Office White	BR106C	Q106O
White	BR106W	Q106W



- Frames offer voice, Category 5e and Coaxial video in different configurations
- High impact-resistant thermoplastic frame
- Convenient screw down terminals
- Meets FCC part 68
- UL Listed 1863 – Communication Circuit Accessory and CSA Certified

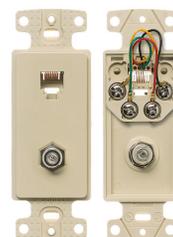
### Molded-In Voice Data Decorator Frames



Two Jack Voice Data Frame

Description	One RJ11 Jack, 6-Position, 4-Conductor	One RJ11 Jack, 6-Position, 6-Conductor	Duplex RJ11 Jacks, 6-Position, 6-Conductor	RJ11 Jack, 6-Position, 4-Conductor	Category 5e, 8-Position, 8-Conductor
Color	Screw Terminations	Screw Terminations	Screw Terminations	Screw Terminations	110 IDC
Black	<b>NS770BK</b>	—	—	<b>NS784BK</b>	
Brown	<b>NS770</b>	<b>NS771</b>	—	<b>NS784</b>	
Gray	<b>NS770GY</b>	—	—	<b>NS784GY</b>	
Ivory	<b>NS770I</b>	<b>NS771I</b>	<b>NS772I</b>	<b>NS784I</b>	
Light Almond	<b>NS770LA</b>	<b>NS771LA</b>	<b>NS772LA</b>	<b>NS784LA</b>	
White	<b>NS770W</b>	<b>NS771W</b>	<b>NS772W</b>	<b>NS784W</b>	

### Molded-In Video and Voice Decorator Frames



Description	One F-Type Coupler Bulkhead, Female to Female	Duplex F-Type Coupler Bulkhead, Female to Female	One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female	One Cat. 5e 110 Punch-Down, One F-Type Coupler Bulkhead, Female to Female
Color	Screw Terminations	Screw Terminations	Screw Terminations	Screw Terminations
Black	—	—	—	<b>NS785BK</b>
Brown	—	—	—	<b>NS785</b>
Gray	—	—	—	<b>NS785GY</b>
Ivory	<b>NS780I</b>	<b>NS782I</b>	<b>NS783I</b>	<b>NS785I</b>
Light Almond	<b>NS780LA</b>	<b>NS782LA</b>	<b>NS783LA</b>	<b>NS785LA</b>
White	<b>NS780W</b>	<b>NS782W</b>	<b>NS783W</b>	<b>NS785W</b>

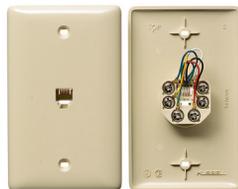


- Provide economical alternative to wall phone outlet placement
- High impact-resistant thermoplastic plate
- Convenient screw down terminals
- Meets FCC part 68
- UL Listed 1863 – Communication Circuit Accessory and CSA Certified

### Molded-In Plates for Voice, 1-Gang



One RJ11 Jack,  
6-Position, 4-Conductor,  
Screw Terminations



One RJ11 Jack,  
6-Position, 6-Conductor,  
Screw Terminations



Duplex RJ11 Jacks,  
6-Position, 4-Conductor,  
Screw Terminations



Duplex RJ11 Jacks,  
6-Position, 6-Conductor,  
Screw Terminations

Description

Color

Brown

Ivory

Light Almond

White

Standard

Mid-Size

Standard

Standard

Mid-Size

Standard

**NS730**

**NS735**

**NS732**

—

—

—

**NS730I**

**NS735I**

**NS732I**

**NS742I**

**NS745I**

**NS744I**

**NS730LA**

**NS735LA**

**NS732LA**

**NS742LA**

**NS745W**

**NS744W**

**NS730W**

**NS735W**

**NS732W**

**NS742W**

**NS745W**

**NS744W**

### Molded-In Plates for Voice and CATV/Satellite, 1-Gang



One RJ11 Jack,  
6-Position, 6-Conductor,  
One F-Type Coupler Bulkhead,  
Female to Female



One RJ11 Jack,  
6-Position, 4-Conductor,  
One F-Type Coupler Bulkhead,  
Female to Female



One F-Type  
Coupler Bulkhead,  
Female to Female



Duplex F-Type  
Coupler Bulkhead,  
Female to Female

Description

Color

Ivory

Light Almond

White

Standard

Mid-Size

Standard

Standard

Mid-Size

Standard

**NS748I**

**NS755I**

**NS747I**

**NS750I**

**NS751I**

**NS752I**

**NS748LA**

**NS755LA**

**NS747LA**

**NS750LA**

**NS751LA**

**NS752LA**

**NS748W**

**NS755W**

**NS747W**

**NS750W**

**NS751W**

**NS752W**



One Category 5e 110 Punch-Down,  
One RJ11 Jack, 6-Position, 4-Conductor,  
One F-Type Coupler Bulkhead,  
Female to Female

Description

Color

Black

Brown

Gray

Ivory

Light Almond

White

Standard

**NS790BK**

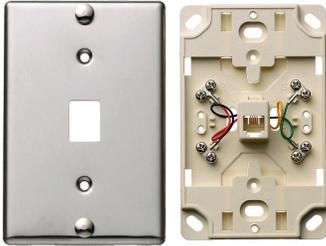
**NS790**

**NS790GY**

**NS790I**

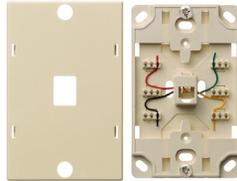
**NS790LA**

**NS790W**



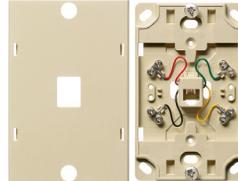
- Available in high impact-resistant thermoplastic or stainless steel
- Meets FCC part 68
- UL Listed 1863 – Communication Circuit Accessory and CSA Certified

## Telephone Wall Jacks



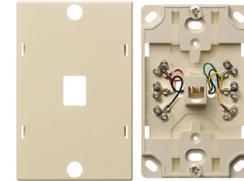
Wall Phone Jack Quick Connect, 6-Position, 4-Conductor, Punch-Down Termination Tool Included

**NS721I**  
—  
**NS721W**



Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations

**NS722I**  
—  
**NS722W**



Wall Phone Jack, 6-Position, 6-Conductor, Screw Terminations

**NS725I**  
**NS725LA**  
**NS725W**

Description



Wall Phone Jack Quick Connect, 6-Position, 4-Conductor, Punch-Down Termination Tool Included

**NS723SS**



Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations

**NS726SS**

Description



- High impact-resistant thermoplastic
- Mounts using screws or double sided tape (both included)
- Meets FCC part 68
- UL Listed 1863 – Communication Circuit Accessory and CSA Certified

## Telephone Surface Mount Jacks



Telephone Surface Mount Jack, 6-Position, 4-Conductor, Screw Terminations

**NS760I**  
**NS760W**



Telephone Surface Mount Jack, 6-Position, 6-Conductor, Screw Terminations

**NS761I**  
**NS761W**



Multimedia 1-Port Surface Mount Box, Jack Not Included

**HSB1EI\***  
**HSB1W\***



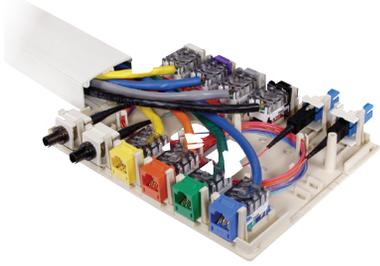
Multimedia 2-Port Surface Mount Box, Jacks Not Included

**HSB2EI\***  
**HSB2W\***

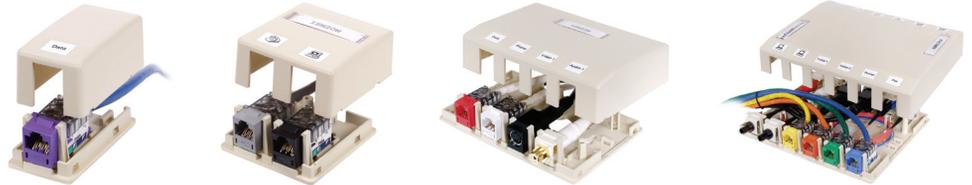
Description

Ivory  
White

Note: \*cULus Listed 1863 - Communication Circuit Accessory. See page R-8 for snap fit jacks.



- Low-profile design
- Accepts XJ jacks, audio video and fiber connectors
- Provided with double-sided tape and mounting screws for easy installation
- Constructed with a high-impact resistant, flame-retardant polymer



### HISB Surface Mount Boxes

Color	1-Port	2-Port	4-Port	6-Port	12-Port
Black	<b>HSB1BK</b>	<b>HSB2BK</b>	<b>HSB4BK</b>	<b>HSB6BK</b>	<b>HSB12BK</b>
Ivory	<b>HSB1EI</b>	<b>HSB2EI</b>	<b>HSB4EI</b>	<b>HSB6EI</b>	<b>HSB12EI</b>
Gray	<b>HSB1GY</b>	<b>HSB2GY</b>	<b>HSB4GY</b>	<b>HSB6GY</b>	<b>HSB12GY</b>
Office White	<b>HSB1OW</b>	<b>HSB2OW</b>	<b>HSB4OW</b>	<b>HSB6OW</b>	<b>HSB12OW</b>
White	<b>HSB1W</b>	<b>HSB2W</b>	<b>HSB4W</b>	<b>HSB6W</b>	<b>HSB12W</b>



- The sliding cover provides protection and longer life
- Staggered, angled openings provide proper cable exit and bend radius
- Two methods to secure cover: screw, latch or both
- Indoor or NEMA 3R weatherproof grade



### Secure-IT Plates, Tamper-Resistant

Color	Face Plate 1-Gang/4-Port	Cable-Thru Plate 1-Gang
Black	<b>TPF1BK</b>	<b>TPCP1BK</b>
Gray	<b>TPF1GY</b>	<b>TPCP1GY</b>
Office White	<b>TPF1OW</b>	<b>TPCP1OW</b>
White	<b>TPF1W</b>	<b>TPCP1W</b>

### Secure-IT Plates, Weatherproof

Color	Face Plate 1-Gang/4-Port
Gray	<b>TWPF1GY</b>

### Stainless Steel Wall Mount Phone Plates, Single Gang

Description	Color	Flush Jack	Recessed Jack
USOC jack, RJ25, 6-position	Gray	<b>SPUF</b>	<b>SPUR</b>
Category 5e jack, RJ45, 8-position	Gray	<b>SP5EF</b>	<b>SP5ER</b>
Category 6 jack, RJ45, 8-position	Gray	<b>SP6F</b>	<b>SP6R</b>
10 Gig jack, RJ45, 8-position	Gray	<b>SP10GF</b>	<b>SP10GR</b>



iSTATION  
Multi-Service Frame

### iSTATION Modular Face Plate Frames



Multi-Service, Power and Low Voltage

Color	1-Gang Decorator 1-Gang iSTATION	1-Gang Decorator 2-Gang iSTATION	1-Gang Decorator 3-Gang iSTATION	2-Gang Decorator 2-Gang iSTATION
Black	<b>IMFP1D1BK</b>	<b>IMFP1D2BK</b>	<b>IMFP1D3BK</b>	<b>IMFP2D2BK</b>
Ivory	<b>IMFP1D1EI</b>	<b>IMFP1D2EI</b>	<b>IMFP1D3EI</b>	<b>IMFP2D2EI</b>
Gray	<b>IMFP1D1GY</b>	<b>IMFP1D2GY</b>	<b>IMFP1D3GY</b>	<b>IMFP2D2GY</b>
Office White	<b>IMFP1D1OW</b>	<b>IMFP1D2OW</b>	<b>IMFP1D3OW</b>	<b>IMFP2D2OW</b>
White	<b>IMFP1D1W</b>	<b>IMFP1D2W</b>	<b>IMFP1D3W</b>	<b>IMFP2D2W</b>



### iSTATION Modular Face Plate Frames

Single-Service, Low Voltage

Color	1-Gang	2-Gang	3-Gang	4-Gang
Black	<b>IMF1BK</b>	<b>IMF2BK</b>	<b>IMF3BK</b>	<b>IMF4BK</b>
Ivory	<b>IMF1EI</b>	<b>IMF2EI</b>	<b>IMF3EI</b>	<b>IMF4EI</b>
Gray	<b>IMF1GY</b>	<b>IMF2GY</b>	<b>IMF3GY</b>	<b>IMF4GY</b>
Office White	<b>IMF1OW</b>	<b>IMF2OW</b>	<b>IMF3OW</b>	<b>IMF4OW</b>
White	<b>IMF1W</b>	<b>IMF2W</b>	<b>IMF3W</b>	<b>IMF4W</b>



### iSTATION Stainless Steel Plates

1-Gang	2-Gang	3-Gang	4-Gang
<b>IMSS1</b>	<b>IMSS2</b>	<b>IMSS3</b>	<b>IMSS4</b>



### Delivery Bezels and Modules

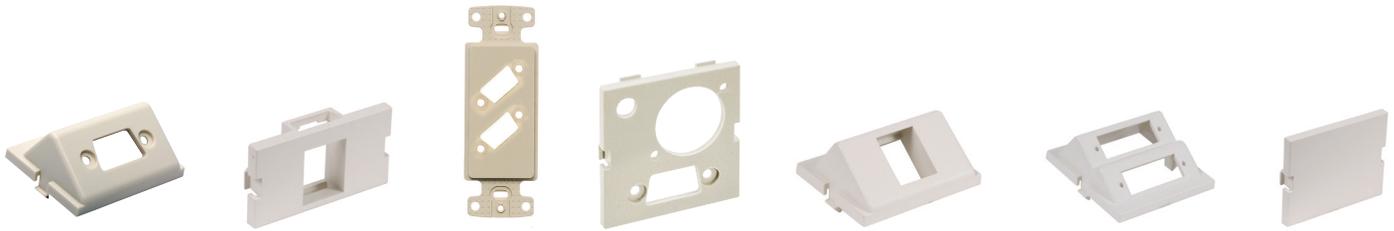
Color	Raceway Bezel	iSTATION Bezel for Third-Party Raceway	Furniture Boxes
Black	-	-	<b>HBLIMFBK</b>
Ivory	-	-	<b>HBLIMFI</b>
Gray	<b>KPIMBZGY</b>	<b>HWAPLGY</b>	<b>HBLIMFGY</b>
Office White	<b>KPIMBZOW</b>	<b>HWAPLOW</b>	-
White	-	<b>HWAPLW</b>	<b>HBLIMFWA</b>

### Third-Party Raceway Modules

Unloaded, 2-Port, 10-Pack

Color	Catalog Number
Black	<b>HWM2KKBK10</b>
Ivory*	<b>HWM2KI10</b>
Gray	<b>HWM2KGY10</b>
White	<b>HWM2KW10</b>

Note: \*Equivalent to Bryant Office White.



## Blank HD15/9-Pin or HDMI Modules

	1 Unit	1.5 Unit	2 Unit	
Color	HD15/9-Pin or HDMI	Angled, HD15/9-Pin or HDMI	HD15/9-Pin or HDMI with 3.5mm Stereo Jack*	HD15/9-Pin or HDMI with 3.5mm SJ+AV Conn
	<b>IMBDS1BK</b> <b>IMBDS1EI</b> <b>IMBDS1GY</b> <b>IMBDS1OW</b> <b>IMBDS1W</b>	<b>IMBDSA15BK</b> <b>IMBDSA15EI</b> <b>IMBDSA15GY</b> <b>IMBDSA15OW</b> <b>IMBDSA15W</b>	<b>IMB15315BK</b> <b>IMB15315EI</b> <b>IMB15315GY</b> <b>IMB15315OW</b> <b>IMB15315W</b>	<b>IMB153X2BK</b> <b>IMB153X2EI</b> <b>IMB153X2GY</b> <b>IMB153X2OW</b> <b>IMB153X2W</b>

Note: \*Screw termination or solder.

## SC Angled Modules

	1.5 Unit	2 Unit
	1 Duplex	2 Duplex
	<b>IM1SCA15BK</b> <b>IM1SCA15EI</b> <b>IM1SCA15GY</b> <b>IM1SCA15OW</b> <b>IM1SCA15W</b>	<b>IM2SCA2BK</b> <b>IM2SCA2EI</b> <b>IM2SCA2GY</b> <b>IM2SCA2OW</b> <b>IM2SCA2W</b>

## Blank HD15/9-Pin or HDMI Frames

Color	1-Port	Recessed, 1-Port	2-Port
Black	<b>ISFB15BK</b>	<b>ISFBR15BK</b>	<b>ISFB215BK</b>
Ivory	<b>ISFB15EI</b>	<b>ISFBR15EI</b>	<b>ISFB215EI</b>
Gray	<b>ISFB15GY</b>	<b>ISFBR15GY</b>	<b>ISFB215GY</b>
Office White	<b>ISFB15OW</b>	<b>ISFBR15OW</b>	<b>ISFB215OW</b>
White	<b>ISFB15W</b>	<b>ISFBR15W</b>	<b>ISFB215W</b>

## Blank Modules

Color	0.5 Unit	1 Unit	1.5 Unit
Black	<b>IMB05BK</b>	<b>IMB1BK</b>	<b>IMB15BK</b>
Electric Ivory	<b>IMB05EI</b>	<b>IMB1EI</b>	<b>IMB15EI</b>
Gray	<b>IMB05GY</b>	<b>IMB1GY</b>	<b>IMB15GY</b>
Office White	<b>IMB05OW</b>	<b>IMB1OW</b>	<b>IMB15OW</b>
White	<b>IMB05W</b>	<b>IMB1W</b>	<b>IMB15W</b>

## Keystone Modules, Unloaded

	1 Unit		1.5 Unit		Recessed, Angled, 1-Port	Recessed, Angled, 2-Port
Color	Flat, 1-Port	Flat, 2-Port	Angled, 1-Port	Angled, 2-Port		
Black	<b>IM1K1BK</b>	<b>IM2K1BK</b>	<b>IM1KA15BK</b>	<b>IM2KA15BK</b>	<b>IM1IA15BK</b>	<b>IM2IA15BK</b>
Ivory	<b>IM1K1EI</b>	<b>IM2K1EI</b>	<b>IM1KA15EI</b>	<b>IM2KA15EI</b>	<b>IM1IA15EI</b>	<b>IM2IA15EI</b>
Gray	<b>IM1K1GY</b>	<b>IM2K1GY</b>	<b>IM1KA15GY</b>	<b>IM2KA15GY</b>	<b>IM1IA15GY</b>	<b>IM2IA15GY</b>
Office White	<b>IM1K1OW</b>	<b>IM2K1OW</b>	<b>IM1KA15OW</b>	<b>IM2KA15OW</b>	<b>IM1IA15OW</b>	<b>IM2IA15OW</b>
White	<b>IM1K1W</b>	<b>IM2K1W</b>	<b>IM1KA15W</b>	<b>IM2KA15W</b>	<b>IM1IA15W</b>	<b>IM2IA15W</b>



## Screw Terminal

	HD 9-Pin	HD 15-Pin	HD 15-Pin, Keystone Front Mount
10-Pack	<b>9ST10</b>	<b>15ST10</b>	<b>SF15ST</b>



## Gender Changers

Female to Female Couplers			
	15-Pin, 90°	HD 9-Pin	HD 15-Pin
	<b>15901</b>	-	-
	-	<b>9GC10</b>	<b>15GC10</b>



## iSTATION™ Audio/Video Modules (10-Pack)

Description	AV Blank 1.5 Unit	XLR Screw Terminal	XLR Solder-Type	SpeakON® Connector, Solder-Type	USB Feed-Thru, A-to-B	1/4" Stereo Jack, Solder-Type
Catalog Number	<b>IMAVB15OW*</b>	<b>XLRST10</b>	<b>XLR10</b>	<b>SC10</b>	<b>USB10</b>	<b>14S10</b>

Note: \*Color listed is Office White, for other colors, replace "OW" with: "AL" = Almond, "BK" = Black, "EI" = Ivory, "GY" = Gray, "W" = White. Light Almond is the same color as Office White.

SpeakON® is a registered trademark of Neutrik® AG.



### 110 Audio/Video Modules

Extend Up to 100 Ft. (30.5m) Over Single 4-Pair UTP Cable, 1.5 Unit

Color	RCA Component Video, Left/Right Audio	RCA Component Video, 3.5mm Audio
Black	<b>IMCAR11015BK</b>	<b>IMC3511015BK</b>
Ivory	<b>IMCAR11015EI</b>	<b>IMC3511015EI</b>
Gray	<b>IMCAR11015GY</b>	<b>IMC3511015GY</b>
Office White	<b>IMCAR11015OW</b>	<b>IMC3511015OW</b>
White	<b>IMCAR11015W</b>	<b>IMC3511015W</b>

### 110 Audio/Video Modules

Extend Up to 100 Ft. (30.5m) Over Single 4-Pair UTP Cable, 1 Unit

Color	RCA Component Video, HD, 75' max.	RCA Composite Video, Left/Right Audio, 100' max.	RCA Left/Right Audio, 100' max.
Black	<b>IMCR1101BK</b>	<b>IMR1101BK</b>	<b>IMAR1101BK</b>
Ivory	<b>IMCR1101EI</b>	<b>IMR1101EI</b>	<b>IMAR1101EI</b>
Gray	<b>IMCR1101GY</b>	<b>IMR1101GY</b>	<b>IMAR1101GY</b>
Office White	<b>IMCR1101OW</b>	<b>IMR1101OW</b>	<b>IMAR1101OW</b>
White	<b>IMCR1101W</b>	<b>IMR1101W</b>	<b>IMAR1101W</b>

### VGA and 3.5mm HD AV Extender

Extend Up to 75 Ft. (23m) Over Single 4-Pair UTP Cable, 1 Unit

Color	Catalog Number
Black	<b>IM15311015BK</b>
Ivory	<b>IM15311015EI</b>
Gray	<b>IM15311015GY</b>
Office White	<b>IM15311015OW</b>
White	<b>IM15311015W</b>

Note: Product consists of send and receive pair.

### RCA Connectors, 110 Punch-Down

Extend Up to 75 Ft. (23m) Over Single 4-Pair UTP Cable, Housing Color is Black

Insulator Color	Catalog Number
Blue	<b>SFRC110B</b>
Green	<b>SFRC110GN</b>
Red	<b>SFRC110R</b>
White	<b>SFRC110W</b>
Yellow	<b>SFRC110Y</b>

### 3.5mm to 110 Termination Stereo Jacks

Extend Up to 75 Ft. (23m) Over Single 4-Pair UTP Cable

Color	3.5mm to 110 Termination
Black	<b>SF35110BK</b>

### S-Video Connection

Extend Up to 75 Ft. (23m) Over Single 4-Pair UTP Cable

Color	S-Video to 110 Termination
Black	<b>SFSV110BK</b>

### Speaker Banana Plugs

Screw Termination, Gold, 10-Pack

Color	Catalog Number
Black	<b>SPPBK10</b>
Red	<b>SPPR10</b>



### Solder Audio/Video Modules

Color	1.5 Unit	1 Unit		
	RCA Component Video with Left/Right Audio or RGBHV	RCA Component Video	RCA Composite Video with Left/Right Audio	RCA Composite Video, 3.5mm Stereo Audio Jack
Black	<b>IMCRS15BK</b>	<b>IMCRS1BK</b>	<b>IM3RS1BK</b>	<b>IMRSJ1BK</b>
Ivory	<b>IMCRS15EI</b>	<b>IMCRS1EI</b>	<b>IM3RS1EI</b>	<b>IMRSJ1EI</b>
Gray	<b>IMCRS15GY</b>	<b>IMCRS1GY</b>	<b>IM3RS1GY</b>	<b>IMRSJ1GY</b>
Office White	<b>IMCRS15OW</b>	<b>IMCRS1OW</b>	<b>IM3RS1OW</b>	<b>IMRSJ1OW</b>
White	<b>IMCRS15W</b>	<b>IMCRS1W</b>	<b>IM3RS1W</b>	<b>IMRSJ1W</b>

### Gold Pass-Through Audio/Video Modules

Color	Female to Female Coupler, 1 Unit			Speaker Post
	RCA Component Video	RCA Composite Video with Left/Right Audio	RCA Left/Right Audio with 3.5mm Stereo Audio Jack	Black and Red, Screw Termination
Black	<b>IMCRF1BK</b>	<b>IM3RF1BK</b>	<b>IM35AR1BK</b>	<b>IMSP1BK</b>
Ivory	<b>IMCRF1EI</b>	<b>IM3RF1EI</b>	<b>IM35AR1EI</b>	<b>IMSP1EI</b>
Gray	<b>IMCRF1GY</b>	<b>IM3RF1GY</b>	<b>IM35AR1GY</b>	<b>IMSP1GY</b>
Office White	<b>IMCRF1OW</b>	<b>IM3RF1OW</b>	<b>IM35AR1OW</b>	<b>IMSP1OW</b>
White	<b>IMCRF1W</b>	<b>IM3RF1W</b>	<b>IM35AR1W</b>	<b>IMSP1W</b>



## 1-Punch XJ Termination Tools

Description	Catalog Number
1-Punch Ascent tool with head, blades and HXTA termination aid	<b>TX4P6A</b>
1-Punch Ascent tool replacement head	<b>TX4P6AH</b>
1-Punch Ascent tool replacement blades	<b>TX4P6ABL</b>
1-Punch XJ tool with head, blades and HXTA termination aid	<b>TX4P</b>
1-Punch XJ replacement head	<b>TX4PH</b>
1-Punch XJ replacement blades	<b>TX4PHBL</b>
Punch down tool, 1-pair	<b>TPDH</b>
1-Pair 110 blade	<b>TBLH</b>

Note: Xcelerator jacks are compatible with Paladin Tools® "Jack Terminator" PA8111 termination tool.

## 1-Punch Tool for HP Series Patch Panels

Description	Catalog Number
Patch panel tool with head and blades	<b>TX41</b>
Patch panel tool replacement head	<b>TX414</b>

## Communications Cable Stripper/Cutter

Description	Catalog Number
Stripper/cutter	<b>TCS3</b>



## Tool Kit, 8-Piece

Includes: (1) punch-down tool with 110 and 66 blade, (1) pair snips, (1) 4-Bit screwdriver, (1) UTP/STP cable stripper/cutter, (1) Maglite™, (1) Black belt pouch, and (1) Snap-X termination aid

Description	Catalog Number
Tool kit, 8-piece	<b>TK8</b>

## 1-Pair Punch-Down Tool

Description	Catalog Number
	<b>TPDH</b>
	<b>TBLH</b>

## Termination Tool, 6-110/4-Pair, Category 6

Seats 6-110/4-pair connecting blocks and terminate/cut UTP cable on 6-110 wiring blocks, cut designation on tool head aids proper orientation before termination

Description	Catalog Number
Termination tool, 4-pair, 6-110 (includes head and blades)	<b>6110MPPDT</b>
Replacement tool head, 6-110 (includes blades)	<b>6110MPPDT1</b>

Note: 6-110 tool is not compatible with 1-punch termination tool.

## 1-Punch Termination Tool, 110/5-Pair, Category 5/5e

Seats 110 connecting blocks and terminate/cut UTP cable on 110 wiring blocks, terminates #28-22 AWG solid/stranded wire, common handle for 5-pair/110, jack and panel 1-punch

Description	Catalog Number
Punch-down tool, 5-pair head	<b>T5PPD110</b>

## Termination Accessories

Description	Catalog Number
Hand termination aid "Jack Knuckles" Xcelerator/Ascent	<b>HXTA</b>
Snap-X termination puck, 25-pack	<b>HXTP25</b>
Ascent termination puck, 25-pack	<b>HJTP6A25</b>

## Punch-Down Tool, 110

Terminates #28-22 AWG solid/stranded wire, adjustable high and low impact settings, lanyard holes in handle

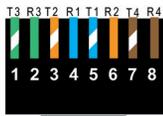
Description	Catalog Number
Punch-down tool with 110 blade	<b>TPD110</b>
Replacement 110 blade	<b>TBL110</b>
Replacement 66 blade	<b>TBL66</b>

Maglite™ is a trademark of Mag Instruments, Inc.  
Paladin Tools® is a registered trademark of Textron Inc.

### RJ-45 ANSI/TIA-568 Wiring Conventions

Two wiring standards were adopted. Both configurations are based on maximum transmission performance.

8 Position / 8 Wire



T568A

- 1: Green/White
- 2: Green
- 3: Orange/White
- 4: Blue
- 5: Blue/White
- 6: Orange
- 7: Brown/White
- 8: Brown

- Preferred method
- Directly compatible with 2-pair voice and token ring systems utilizing 6-position connectors

8 Position / 8 Wire



T568B

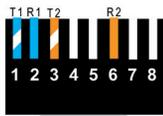
- 1: Orange/White
- 2: Orange
- 3: Green/White
- 4: Blue
- 5: Blue/White
- 6: Green
- 7: Brown/White
- 8: Brown

- Optional method
- AT&T® standard
- Directly compatible with AT&T phone systems

### Wiring Conventions

Local area network (LAN) standards designed to operate over UTP specify pin/pair assignments on modular connectors for various signal transmission protocols. While T568A and T568B conventions support all these designations, there are some cases where the user chooses to cable only the number of pairs required to support these applications.

8 Position / 4 Wire



10/100BASE-T

- 10 Mbps Ethernet over UTP
- Uses only two pairs
- 100 Mbps Ethernet

8 Position / 4 Wire



Token Ring

- 4/16 Mbps token ring over copper
- Uses only two pairs

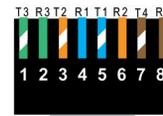
8 Position / 4 Wire



TP-PMD

- 100 Mbps FDDI over copper
- Uses only two pairs

8 Position / 8 Wire



1000BASE-T (T568A)

- 1000 Mbps Ethernet over UTP
- Uses all four pairs

### USOC Conventions

Universal Service Ordering Codes (USOC) are a series of Registered Jack (RJ) wiring configurations for connection of customer premises equipment to the network. FCC regulations govern these configurations.

6 Position / 6 Wire



USOC RJ25

6 Position / 2 Wire



USOC RJ11

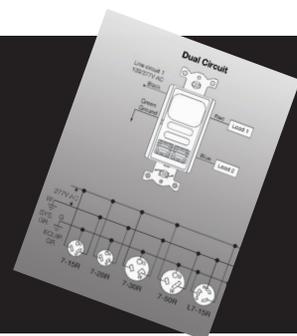
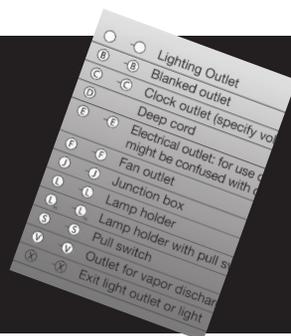
#### Color Coding

TIP		RING	
Pair 1	T1 – White/Blue	Pair 1	R1 – Blue
Pair 2	T2 – White/Orange	Pair 2	R2 – Orange
Pair 3	T3 – White/Green	Pair 3	R3 – Green
Pair 4	T4 – White/Brown	Pair 4	R4 – Brown

# Section S

## Technical Information

Table of Contents	Page
Codes and Standards Organizations	S-2
Certification Agencies and Markings	S-3
Wiring Device Standards and Testing	S-4
RoHS, TR, WR and IP Meanings	S-6
Architectural Symbols For Electrical Wiring Devices	S-7
Materials Commonly Used in Wiring Devices and Horsepower Ratings Table	S-8
AC Switch and Horsepower Ratings	S-9
Dimmer – Ganging and Derating	S-10
Switches Wiring Diagrams	S-11
Wiring Diagrams	S-12
Network Cabling Requirements	S-16



# Technical Information

## Codes and Standards Organizations

### Certification Agencies



Primarily involved in certification of products or manufacturers to standards developed by the certification agency or by others. For convenience, the following listings define common acronyms for a variety of organizations.

<b>ANCE</b>	National Association of Normalization and Certification of the Electrical Sector
<b>BSI</b>	British Standards Institute
<b>CE</b>	Self Certification Marking of European Community
<b>CCC</b>	China Compulsory Certification
<b>CSA</b>	Canadian Standards Association or CSA International
<b>ETL</b>	Intertech
<b>FM</b>	Factory Mutual
<b>NRTL</b>	Nationally Recognized (by OSHA) Testing Laboratory
<b>TÜV</b>	TÜV Rheinland of N.A., Inc.
<b>UL</b>	Underwriters Laboratories Inc.
<b>VDE</b>	Verband Deutscher Elektrotechniker (Germany)

### Government Agencies

<b>DSCC</b>	Defense Supply Center – Columbus
<b>EU</b>	European Union
<b>FCC</b>	Federal Communications Commission
<b>IAPA</b>	Industrial Accident and Prevention Association (Canada)
<b>OSHA</b>	Occupational Safety and Health Administration

### Bryant Wiring Devices Qualified Under Fed. Spec. W-C-596

4700DR	5352BLK	70530NCCR	71630NC	9200IGI	BRY5382	BRY8300REDWR
4700DRCR	5352BU	70530NP	71630NP	9200IGRED	BRY5462	BRY8300RTR
4700DRI	5352GRY	70530NPB	71820NC	9200IGW	BRY5462BLK	BRY8300TR
4700DRIG	5352I	70530NPC	71820NP	9200RED	BRY5462CR	BRY8300W
4710	5352RED	70615DR	72120ER	9200W	BRY5462GRY	BRY8300WR
4721NP	5352W	70615DRIG	72120FR	9300GRY	BRY5462I	BRY8300WWR
4750DR	5361	70615ER	72120MB	9300I	BRY5462RED	BRY8366NP
4760	5361BLK	70615FR	72120NC	9300IL	BRY5462W	BRY8369NC
4779NC	5361BLKWR	70615MB	72120NCB	9300RED	BRY5466NP	BRY8466NP
4785ER	5361GRY	70620ER	72120NP	BRY5262	BRY5466NPSY	BRY8469NC
5242	5361GRYWR	70620FR	72120NPB	BRY5262BCR	BRY5469NC	FSL1NC
5242BLK	5361I	70620MB	72120NPC	BRY5262BLK	BRY5469NCSY	FSL1NP
5242GRY	5361IWR	70620NC	72130ER	BRY5262BLKWR	BRY5662	FSL2NC
5242I	5361RED	70620NP	72130FR	BRY5262BU	BRY5662BLK	FSL2NP
5242RED	5361REDWR	70620NPCR	72130NC	BRY5262BUWR	BRY5662CR	FSL3NC
5242W	5361W	70630ER	72130NP	BRY5262CR	BRY5662GRY	FSL3NP
5251	5361WR	70630FR	72330FR	BRY5262GRY	BRY5662I	FSL4NC
5251AL	5361WWR	70630NC	8210	BRY5262GRYWR	BRY5662RED	FSL4NP
5251BLK	5364B	70630NP	8210GRY	BRY5262I	BRY5662W	QT5262
5251I	5364BY	70720ER	8210GRYWR	BRY5262IWR	BRY5666NP	QT5262AL
5252	5366N	70720FR	8210I	BRY5262RED	BRY5666NPSY	QT5262BLK
5252AL	5369B	70720MB	8210IWR	BRY5262REDWR	BRY5669NC	QT5262GY
5252BLK	5369BY	70720NC	8210RED	BRY5262W	BRY8200	QT5262I
5252BU	5461	70720NP	8210REDWR	BRY5262WR	BRY8200ALTR	QT5262LA
5252GRY	5461BLK	70730FR	8210W	BRY5262WWR	BRY8200GRY	QT5262R
5252I	5461GRY	70730NP	8210WR	BRY5266NP	BRY8200GRYL	QT5262W
5252RED	5461I	71020ER	8210WWR	BRY5266NPB	BRY8200GRYWR	QT5362
5252W	5461RED	71020FR	8266T	BRY5266NPCR	BRY8200GTR	QT5362AL
5261	5461W	71020NP	8269T	BRY5266NPOR	BRY8200I	QT5362BLK
5261BLK	5464B	71420ER	8295T	BRY5266NPSY	BRY8200ITR	QT5362GY
5261BLKWR	5469B	71420FR	8310	BRY5269NC	BRY8200IWR	QT5362I
5261GRY	5642	71420MB	8310GRYWR	BRY5269NCCR	BRY8200RED	QT5362LA
5261GRYWR	5642I	71420NC	8310I	BRY5269NCSY	BRY8200REDL	QT5362R
5261I	5661	71420NP	8310IWR	BRY5362	BRY8200REDWR	QT5362W
5261IGGRY	5661BLK	71430ER	8310RED	BRY5362BLK	BRY8200RTR	QT8200
5261IGW	5661GRY	71430FR	8310REDWR	BRY5362BLKWR	BRY8200TR	QT8200AL
5261IWR	5661I	71430MB	8310WR	BRY5362BU	BRY8200TR	QT8200BK
5261RED	5661RED	71430MBWP	8310WWR	BRY5362BUWR	BRY8200WL	QT8200GY
5261REDWR	5661W	71430NC	8366T	BRY5362CR	BRY8200WR	QT8200I
5261W	5666B	71430NP	8366TSP	BRY5362GRY	BRY8200WTR	QT8200LA
5261WR	5669B	71520ER	8369T	BRY5362GRYWR	BRY8200WWR	QT8200R
5261WWR	70520FR	71520FR	8395T	BRY5362I	BRY8266NP	QT8200W
5342	70520FRCCR	71520MB	8410BRN	BRY5362IWR	BRY8266NPB	QT8300
5342BLK	70520MB	71520MBWP	8410W	BRY5362RED	BRY8269NC	QT8300AL
5342GRY	70520NC	71520NC	8466N	BRY5362REDWR	BRY8300	QT8300BK
5342I	70520NCCR	71520NP	8466TSP	BRY5362W	BRY8300ALTR	QT8300GY
5342RED	70520NP	71530ER	8495T	BRY5362WR	BRY8300GRY	QT8300I
5342W	70520NP	71530FR	8666TSP	BRY5362WWR	BRY8300GRYWR	QT8300LA
5351	70530FR	71530MB	8695T	BRY5366NP	BRY8300GTR	QT8300R
5351AL	70530FRCCR	71530MBWP	9200GRY	BRY5366NPCR	BRY8300I	QT8300W
5351BLK	70530MB	71530NC	9200GRYL	BRY5366NPSY	BRY8300IG	
5351I	70530MBWP	71530NP	9200I	BRY5369NC	BRY8300ITR	
5352	70530NC	71620NC	9200IG	BRY5369NCCR	BRY8300IWR	
5352AL	70530NCB	71620NP	9200IGGRY	BRY5369NCSY	BRY8300RED	

# Technical Information

## Certification Agencies and Markings

### Understanding Certification Marks

Certification marks vary significantly with respect to testing required to achieve a particular mark. In some cases, (i.e.: Specification Grade), no outside certification agency is involved. The manufacturer decides which of their products they wish to be so identified. The following table for 15 and 20A straight blade receptacles demonstrates these wide differences. The understanding of these marks permits the user/specifier to make more meaningful product selections.

#### Understanding Product Certification Marks – 15 and 20 Amp Straight Blade Receptacles. Products that carry certification marks must meet the specific testing standards indicated.

Certification Mark	Description	UL 498	CSA, C22.2 No. 42	UL 498 Hospital Grade	CSA, C22.2 No. 42 M Hospital Grade	Fed. Spec. W-C-596
<b>Spec Grade*</b>	Self Certified, No Testing Required – Advertising/Trade Name					
	Used on recognized component parts that are part of a Listed product or system intended for the United States. Component “C” intended for Canada. Recognized components are intended for installation by Original Equipment Manufacturers (OEMs) within their Listed, and are not accepted by electrical inspectors for general-use field installations.	X				
	Used on recognized component parts that are part of a Listed product or system intended for the United States and Canada. Recognized components are intended for installation by Original Equipment Manufacturers (OEMs) within their Listed, and are not accepted by electrical inspectors for general-use field installations.	X				
	Products found with this mark means Underwriters Laboratories or CSA International found that representative samples of this product met Underwriters Laboratories' published Standards for Safety intended for the US market.	X				
	Products found with this mark are certified primarily for the Canadian market.		X			
	Products intended for US and Canada.	X	X			
 • Hospital Grade	In addition to complying with general use requirements, this mark denotes these device have been specially designed and are subject to additional requirements of the standards.	X		X		
 • Hospital Grade	In addition to complying with general use requirements, this mark denotes these device have been specially designed and are subject to additional requirements of the standards.		X		X	
 Fed. Spec.	In addition to complying with general use grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	X				X
 Fed. Spec. • Hospital Grade	In addition to complying with general use and hospital grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	X		X		X

Note: \*Includes such variation as Premium Spec, Super Spec, etc.  
\*\* End product test also required.

### Cross Reference Note

Recognize that cross reference guides supplied by some manufacturers should be used only to determine compatible devices (rating and configuration). It does not, in any way, deal with performance levels (which will vary widely by manufacturer). Common catalog numbers are often used for convenience of selection. The use of the same catalog number is solely the discretion of the manufacturer. It in no way implies compliance to any standard or testing criteria.

# Technical Information

## Wiring Device Standards and Testing

### Wiring Device Standards

---

There are many different marketing terms in the electrical industry to describe the various electrical receptacles available from different manufacturers. Some of these terms include: Spec-Grade, Commercial, Heavy Duty, Industrial, Hard-Use, etc. There are no clear or universal definitions for these terms. There is no criteria established to differentiate one term from the next. Reliance solely upon these terms is not a reliable measure of performance or durability in a given application.

Underwriters Laboratories (UL) recognized a need to categorize receptacles based on application and expectations of performance. As a result, UL verifies performance to the following designations. Here are brief descriptions of each:



**General Use - UL 498** – All duplex receptacles are required to meet these general requirements. Devices bearing the UL mark for general use have been tested to insure they can safely provide power in typical everyday usage (vacuum, lamps, electronics, etc.).



**Fed. Spec. - W-C-596** – The Federal Government wanted some way to determine that a receptacle performed better than average and would withstand the tougher demands of institutional use (post offices, military installations, prisons, etc.). Fed. Spec. listing identifies receptacles as having construction features, marking specifications and performance requirement (i.e., plug retention, increased cycle testing) beyond the requirements of the general use listing.



• Hospital Grade

**Hospital Grade** – In addition to compliance with general use requirements, Hospital Grade receptacles must meet performance criteria designed to test: ground reliability, assembly integrity, overall strength and reliability. Hospital Grade devices are marked with a green dot on their face.



• Hospital Grade

**Hospital Grade Fed. Spec.** – Receptacles meeting this designation meet requirements and have completed test programs for both Fed. Spec. and Hospital Grade receptacles. All Bryant Hospital Grade devices are UL listed to this designation.

These UL designations are a better determinant of performance than marketing descriptions, for performance and durability.

# Technical Information

## Wiring Device Standards and Testing

### Testing for Hospital Grade and Fed. Spec. Listing of Bryant Receptacles, Plugs and Connectors

---

All Bryant Hospital Grade products are tested regularly in our factories with Underwriters Laboratories.

#### Receptacles

---

**Fed. Spec. Test: Ground Pin Retention Test** - The grounding contact of the receptacle is conditioned by twenty insertions with a 0.204 inch oversized diameter pin. After conditioning, a 0.184 inch diameter pin is inserted in the grounding contact must be capable of supporting a weight of at least 4 ounces for one minute.

**Fed. Spec. Test: Power Blade Retention Test** - A test plug with a single oversized blade measuring 0.075 inch thick is inserted into each current carrying contact for twenty conditioning cycles. When the conditioning cycles are completed, each contact must be capable of supporting, for one minute, 1.5 pounds secured to a single 0.055 inch thick solid steel blade without holes.

**HG Test: Abrupt Removal of Plug Test** - A steel bodied test plug with blades made of brass is inserted into the receptacle. A 10 pound weight dropped from at least 24 inches, pulls the plug out of the receptacle abruptly. This test is done eight times with the receptacle rotated in different positions to create the greatest stress to the face and contacts. Then, with the receptacle facing down, the grounding contact must retain a 4 ounce grounding pin with a 0.184 inch diameter for one minute. After this test there shall be no breakage of the receptacle that interferes with the receptacle function or to the integrity of the enclosure.

**Fed. Spec. Test: Assembly Security Test** - A force of 100 pounds is applied through the slots of the receptacle into the base while the bridge is supported at its screw mounting positions. Each receptacle is then examined for damage.

#### Plugs and Connectors

---

**HG Test: Impact Test** - A plug or connector wired with the minimum size flexible cord is subjected to an impact from a 10 pound cylindrical weight having a flat face with a 2 inch diameter dropped from a height of 18 inches. After the test, there shall be no breakage or other damage that may effect the function of the device.

**HG Test: Mechanical Drop Test** - The cord connector is wired to #18 AWG flexible cord and suspended horizontally. It is released so it impacts a hardwood surface 45 inches below the point of suspension. This is repeated for 1,300 cycles. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

**HG Test: 500 Pound Crush Test** - A wired plug or connector is placed between two hardwood slabs while subjected to a force which is progressively increased to 500 pounds. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

**HG Test: Strain Relief Test** - While assembled to a plug or connector but not wired to the terminals; the cord must remain securely fastened after a straight pull of 30 pounds and a rotary motion within 3 inch circles with a 10 pound force applied for two consecutive hours. Displacement of conductors, insulation and outer jacket of the flexible cord shall not exceed 0.031 inch. There shall be no cuts, rips or tears in the insulation of the cord.

# Technical Information

## RoHS, TR, WR and IP Meanings



### RoHS – Restriction of Hazardous Substances

This EU Directive, 2011/65/EU, prohibits the use of mercury, cadmium, lead, chromium VI, PBB (polybrominated biphenyls) and PBDE (polybrominated diphenyl ethers) in certain electrical products. The regulatory maximums for these items are 0.01%, by weight, for cadmium and 0.1%, by weight, for the other five items in each "homogenous unit" contained within that product. There are certain exemptions available from the RoHS requirements.

### Tamper-Resistant Receptacles - 406.12 (A) through (C)



Per the National Electrical Code (NEC®) Article 406.11; All 125 volt, 15 and 20 amp receptacles in dwelling units shall be a listed tamper-resistant type. Dwelling units are defined as a single unit, providing complete and independent living facilities for one or more persons, including permanent provisions for living, sleeping, cooking and sanitation. Listed devices are required to have a TR marking on the face visible when installed without a cover plate.

### Weather Resistant Receptacles



Per the 2014 National Electrical Code (NEC®) Article 406.9; All 125 and 250 volt, 15 and 20 amp non-locking receptacles for use in damp or wet locations shall be a listed weather resistant type. Listed devices are required to have a WR marking on the face visible when installed.

### Elements of the IP Code and Their Meanings – In Accordance with Standard IEC 60529



IP Suitability Ratings are a system for classifying the degree of ingress protection provided by enclosures of electrical equipment. Generally, the higher the number, the greater the degree of protection; they apply ONLY to properly installed equipment.

Example: IP67 = Ingress Protection/Dust-Tight/Temporary Immersion

#### Meaning for the Protection of Equipment

Code Letters	First Number	Second Number
Ingress Protection	Against Ingress of Solid Foreign Objects	Against Ingress of Water with Harmful Effects
IP	0 – Non-protected 1 ≥ 50mm diameter 2 ≥ 12.5mm diameter 3 ≥ 2.5mm diameter 4 ≥ 1.0mm diameter 5 – Dust-protected 6 – Dust-tight	0 – Non-protected 1 – Vertically dripping 2 – Dripping (15 Tilted) 3 – Spraying 4 – Splashing 5 – Jetting 6 – Power jetting 7 – Temporary immersion 8 – Continuous immersion

The numerals stand for the following:

1. First Numeral: degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects.
2. Second Numeral: degree of protection of equipment inside enclosures against damage from the ingress of water.

Note: ≥ Denotes greater than or equal to.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Technical Information

## Architectural Symbols For Electrical Wiring Devices

### General Outlets

#### Ceiling Wall

○	-○	Lighting Outlet
Ⓟ	-Ⓟ	Blanked outlet
Ⓒ	-Ⓒ	Clock outlet (specify voltage)
Ⓓ		Deep cord
Ⓔ	-Ⓔ	Electrical outlet: for use only when circle used alone might be confused with columns, plumbing symbols, etc.
Ⓕ	-Ⓕ	Fan outlet
Ⓖ	-Ⓖ	Junction box
Ⓖ	-Ⓖ	Lamp holder
Ⓖ <sub>s</sub>	-Ⓖ <sub>s</sub>	Lamp holder with pull switch
Ⓢ	-Ⓢ	Pull switch
Ⓥ	-Ⓥ	Outlet for vapor discharge lamp
Ⓧ	-Ⓧ	Exit light outlet or light

### Convenience Outlets

⊖		Duplex convenience outlet
⊖		Convenience outlet other than duplex 1-single, 3-triplex, etc.
⊖ <sub>w</sub>		Weatherproof convenience outlet
⊖		Range outlet
⊖		Switch and convenience outlet
⊖ <sub>R</sub>		Radio and convenience outlet
⊖		Special purpose outlet (Desc. in Spec.)
⊖		Floor outlet

### Switch Outlets

S	Single-pole switch
S <sub>2</sub>	Double-pole switch
S <sub>3</sub>	3-Way switch
S <sub>4</sub>	4-Way switch
S <sub>D</sub>	Automatic door switch
S <sub>E</sub>	Electroliner switch
S <sub>K</sub>	Key operated switch
S <sub>P</sub>	Switch and pilot lamp
S <sub>CB</sub>	Circuit breaker switch
S <sub>WCB</sub>	Weatherproof circuit breaker
S <sub>MC</sub>	Momentary contact switch
S <sub>RC</sub>	Remote control switch
S <sub>WP</sub>	Weatherproof switch
S <sub>F</sub>	Fused switch
S <sub>WF</sub>	Weatherproof fused switch

### Special Outlets

Any standard symbol as given above with the addition of a lower case subscript letter may be used to designate some special variation of standard equipment of particular interest in a specific set of architectural plans.

○ <sub>a,b,c,etc.</sub>	When used they must be listed in the Key of Symbols on each drawing and if necessary further described in the specifications.
⊖ <sub>a,b,c,etc.</sub>	

### Panels, Circuits and Miscellaneous

■	Lighting panel
▨	Power panel
—	Branch circuit; concealed in ceiling or wall
---	Branch circuit; concealed in floor
.....	Branch circuit; exposed
→	Home run to panel board. Indicated number of circuits by number of arrows.
<i>Note: Any circuit without further designation indicates a 2-wire circuit. For a greater number of wires indicate as follows: ### (3-wires) #### (4-wires), etc.</i>	
—	Feeders
<i>Note: Use heavy lines and designate by number of corresponding to listing in feeder schedule.</i>	
⊖	Underfloor duct and junction box. Triple system
<i>Note: For double or single systems eliminate one or two lines. This symbol is equally adaptable to auxiliary system layouts</i>	
Ⓖ	Generator
Ⓜ	Motor
Ⓘ	Instrument
Ⓣ	Power transformer (or draw to scale)
⊞	Controller
⊞	Isolating switch

### Auxiliary Systems

⊞	Push Button	⊞	Buzzer
⊞	Bell	⊞	Annunciator
⊞	Outside telephone		
⊞	Interconnecting telephone		
⊞	Telephone switchboard		
⊞	Bell ringing transformer		
⊞	Electric door opener		
⊞	Fire alarm bell	⊞	Fire alarm station
⊞	City fire alarm station		
⊞	Fire alarm central station		
⊞	Automatic fire alarm device		
⊞	Watchman's station		
⊞	Watchman's central station		
⊞	Horn		
⊞	Nurse's signal plug	⊞	Maid's signal plug
⊞	Radio outlet		
⊞	Signal central section		
⊞	Interconnection box	⊞	Battery
---	Auxiliary system circuits		
⊞ <sub>a,b,c.</sub>	<b>Special Auxiliary Outlets</b>		
Subscript letters refer to notes on plans or detailed description in specifications.			

# Technical Information

## Materials Commonly Used in Wiring Devices and Horsepower Ratings Table

Table I – Mechanical and Electrical Properties of Materials

Properties	6/6 Nylon	6 Nylon	Polycarbonate	PC/PET	Phenolic	Urea
Tensile Strength (PSI)	11,000	6000+*	9,000	6,000	6,500-10,000	5,500-13,000
Elongation (%)	300+*	300*	130	120	0.4-0.8	0.5-1.0
Flex. Mod. (Stiffness) (PSI)	175,000*	140,000*	340,000	325,000	1,000,000	1,500,000
Izod (Notched) ft.-lb./in.	2.1*	3.0*	15.0	12.0	0.3-1.9	0.25-0.4
Hardness Rockwell	59M* 108R*	— 119R	70M 118R	— 115R	105-120M —	110-120M —
Heat Deflection Temp °F						
66 PSI	464	370	—	265	—	—
264 PSI	194	185	270	260	400	260-290
UL Thermal Index °C						
Electrical	125	125	125	105	150	100
Mechanical w/Impact	75	75	115	105	150	100
Mechanical w/o Impact	85	85	125	105	150	100
Flame Class UL 94	V-2	V-2	V-2	V-0	HB-V0	HB-V0
Dielectric V/mil	600	400	380	307	200-400	300-400
Specific Gravity	1.14	1.13	1.2	1.33	1.4	1.5
UL Comparative Tracking Index (Volts)	600+	600+	250+	230	175+	600+

Note: \*Conditioned to 50% relative humidity.

Table II – Chemical Resistance of Materials

Chemical	Nylon	Phenolic	Urea	Polycarbonate
Acids	C	B	B	A
Alcohol	A	A	A	B
Caustic Bases	A	B	B	C
Gasoline	A	A	C	A
Grease	A	A	A	B
Kerosene	A	A	A	A
Oil	A	A	A	B
Solvents	A	A	A	C
Water	A	A	A	A

Note: A—Completely resistant. Good to excellent, general use.  
B—Resistant. Fair to good, limited service.  
C—Slow attack. Not recommended for use.

### Advantages of Nylon

Bryant nylon wiring devices provide these safety benefits:

- Excellent insulator: Shock hazards are minimized by the superior dielectric strength of nylon and the heavy-duty molded interior walls of Bryant's completely-enclosed individual wire pocket areas.
- Resistant to chemicals: Nylon provides excellent resistance to chemicals such as alcohol, caustic bases, gasoline, grease, kerosene, oil, solvents and water. See Table II.
- High impact resistance: Bryant nylon devices are designed to withstand high impact in heavy duty industrial and commercial applications. Each molded piece supports an adjacent molded piece, resulting in unsurpassed resiliency and strength.

Devices housed in neoprene, urea or phenolic materials can crack or be damaged under great pressure. Such damage can be invisible and cause direct shorts and other hazards. In the unlikely event that a nylon device is damaged, the damage can be easily detected and the device replaced.

### Universal Cord Grip

Bryant's nylon plugs and connectors have a universal cord grip. One device can be used for most cord size applications. Adapter sleeves are available for flat cord and other small diameter cords. In addition to reducing the cord grip to the desired size, the sleeve helps protect the interior of the device by blocking entry of solvents, oil and other foreign matter.

Table III – Horsepower Ratings

NEMA Config.	AC HP Rating**	NEMA Config.	AC HP Rating**
1-15	0.5	L1-15	0.5
2-15	1.5	L2-20	2
2-20	2	L5-15	0.5
2-30	2	L5-20	1
5-15	0.5	L5-30	2
5-20	1	L6-15	1.5
5-30	2	L6-20	2
5-50	2	L6-30	2
6-15	1.5	L7-15	2
6-20	2	L7-20	2
6-30	2	L7-30	3
6-50	3	L8-20	3
7-15	2	L8-30	5
7-20	2	L10-20	2 L-L/1 L-N
7-30	3	L10-30	2 L-L/2 L-N
7-50	5	L11-15	2
10-20	2 L-L/1 L-N	L11-20	3
10-30	2 L-L/2 L-N	L11-30	3
10-50	3 L-L/2 L-N	L12-20	5
11-15	2	L12-30	10
11-20	3	L14-20	2 L-L/1 L-N
11-30	3	L14-30	2 L-L/2 L-N
11-50	7.5	L15-20	3
14-15	1.5 L-L/0.5	L15-30	3
14-20	L-N	L16-20	5
14-30	2 L-L/1 L-N	L16-30	10
14-50	2 L-L/2 L-N	L18-20	2
14-60	3 L-L/2 L-N	L18-30	3
15-15	3 L-L/2 L-N	L19-20	5
15-20	2	L19-30	10
15-30	3	L21-20	2
15-50	3	L21-30	3
15-60	7.5	L22-20	5
18-15	10	L22-30	10
18-20	2		
18-30	2		
18-50	3		
18-60	7.5		

Note: \*\*The phase-to-phase horsepower ratings are noted by "L-L". The phase-to-neutral ratings are identified by "L-N".

# Technical Information

## AC Switch and Horsepower Ratings

Prior to 1950, Underwriters Laboratories, Inc. listed only AC/DC general use switches. These switches were designed with over-center, snap-acting mechanisms which opened the circuit by widely separating the contacts at a high speed. This was necessary because the switches were tested on DC which has a steady-state voltage.

With the introduction of AC only general use switches, it was unnecessary to have the high-powered, over-center, snap-acting mechanisms because the contacts did not have to be widely separated at high speed.

Bryant introduced, in the mid 1930's, the first AC only range switch. The experience gained in this development indicated the ideal AC switch should have a positive closing and a slow limited opening.

Positive closing is the closing of the contacts without bounce or chatter, which can occur due to the inertia of a high-speed closing of the contacts.

This is important, especially on the tungsten lamp load where, due to the low resistance of tungsten filament, an inrush current from 8 to 16 times the lighted (high resistance) rated current occurs. This inrush occurs in the first quarter cycle, 1/240 of a second, or when the contacts first close and would be bouncing (rapidly opening and closing of the circuit).

Contact bouncing, at high current, could cause considerable arcing which would dissipate the contact material and result in welding of the contacts.

Slow limited opening is the separation of the contact, under load, at a low rate and limiting the contact separation to a very small fraction of that required for DC control.

On AC, the voltage passes through zero voltage every 1/2 cycle, on 60 cycle frequency every 1/120 of a second. By opening the contacts slowly, the arc is suppressed by the zero voltage. By limiting the break, the contact gap is not ionized and air insulation prevents arc formation and restriking.

This control of the opening is essential on inductive and motor loads when, due to low power factor, voltage surges occur on opening the circuit.

Bryant AC switches are designed so the contacts are closed with controlled contact closing pressure by utilizing the flexibility of the resilient contact carrying arm.

The contacts, of a special non-oxidizing silver alloy, are opened by a simple cam operation which limits the speed and opening. The indexing of the handle is by an elastomer rocker or simple cantilever steel rod. This provides a minimum of parts, along with a solid and dependable design.

### AC Test Requirements

When AC general use switches were considered by the industry and Underwriters Laboratories, Inc., thought was given to the ratings and it was decided to rate the switches in accordance with NEC® branch circuit ratings of 15, 20 and 30 amperes. It was also decided to test the switch for all the loads that could be applied to a branch circuit. Therefore, all AC switches are tested on resistance, tungsten lamp and inductive loads to 100% of switch rating.

#### Underwriters Laboratories Test Requirements for AC General Use Switches

In order to be listed by Underwriters Laboratories, Inc., all 15, 20 and 30 ampere AC 120/277 volt switches must perform, without failure, the following sequence of tests.

1. An overload test of 100 cycles at 4.8 times rated current and 40-50% power factor and rated voltage. This overload test is performed at 144 amps, 277 volts for 30 ampere switches, at 6 cycles per minute.
2. 10,000 cycles on a plain resistance load at full rating of 15, 20 or 30 amperes, at 277 volts at 24 cycles per minute.
3. 10,000 cycles on an inductive load of either 15, 20 or 30 amperes at 277 volts, 80% power factor at 24 cycles per minute.
4. 10,000 cycles at 15, 20 or 30 amperes, 120 volts on a tungsten filament lamp load, at 6 cycles per minute.
5. Heat rise at test-rated load. In this test, temperature rise must not exceed 30 degrees C.
6. A switch shall withstand, without breakdown, 1500V for 1 minute between live parts of opposite polarity and between live parts and dead metal parts, with the switch at the maximum operating temperature reached in intended use.

### Explanation of "Horsepower" Ratings

#### Performance of Bryant Switches Exceed Underwriters Laboratories' Requirements.

Switches marked with Horsepower Ratings are suitable for controlling the Motor Loads of the HP ratings shown on the switch as well as for lower HP ratings.

To qualify for an HP rating, a switch is tested at six (6) times the full load Motor Current corresponding to the HP rating marked on the switch. (For DC Motor Controllers, the test is made at 10 times the full load Motor Current corresponding to the DC HP rating marked on the switch). The test consists of 50 on-off operations at this load and the test is conducted on six (6) samples. For 3/4 HP 120 volts-240 volts AC rating, two (2) sets of six (6) samples each are tested in addition to the regular overload endurance, heating and insulation tests. The test circuit characteristics are:

	For 3/4 HP 120 Volts AC	For 3/4 HP 240 Volts AC
Closed Circuit Volts	120 Volts AC	240 Volts AC
Current	82.8 Amps	41.4 Amps
Power-Factor	0.40-0.50	0.40-0.50

*Note: Current at 240V AC is 1/2 that at 120V AC.*

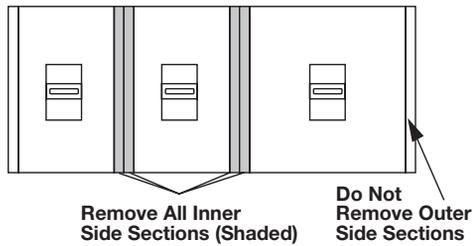
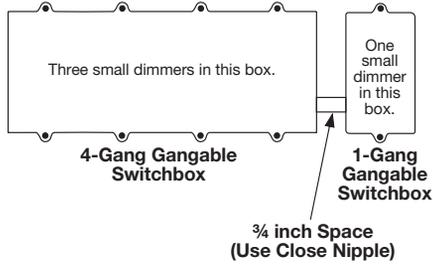
All switches must be in good operating condition after the tests have been completed. There must be no excessive arcing, welding or burning of the contacts nor arc-over to ground (the switch frames are grounded during the stalled rotor test).

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

# Technical Information

## Dimmer – Ganging and Derating

### Example of 4-Gang Installation



### Architectural Grade Slide and Rotary Series

#### Number of Switchboxes Required with Dimmer Side sections Intact

		Number of Small Controls (600W and 1000W)							
		0	1	2	3	4	5	6	
Number of	0	0	1	1+1	4	1+4	7	1+7	
Large Controls	1	1	3	5	6	8	9	11	
(1500W and 2000W)	2	4	6	7	9	10	12	13	
	3	6	8	10	11	13	14	16	
	4	9	11	12	14	15	17	18	
		Number of Gangs Required							

*Note: When ganging an even number of small controls with no side sections removed (plus numbers in chart), use gangable switchboxes with tapped ears as shown below. Do not use plaster rings or gangbox covers. Space an additional switchbox 3/4 in. apart from the other switchbox(es). A 3/4 in. close nipple is recommended as a spacer between the switchboxes.*

#### Number of Switchboxes Required with Side sections Removed

		Number of Small Controls (600W and 1000W)							
		0	1	2	3	4	5	6	
Number of	0	0	1	2	3	4	5	6	
Large Controls	1	1	3	4	5	6	7	8	
(1500W and 2000W)	2	3	5	6	7	8	9	10	
	3	5	7	8	9	10	11	12	
	4	7	9	10	11	12	13	14	
		Number of Gangs Required							

*Note: When removing side sections, remove only inner side sections. Do not remove side sections on outer ends of gang. The same installation rules apply to rotary dimmers (not shown).*

### Derating Chart

No side sections removed	One side section removed	Both side sections removed
600W	600W	500W
1000W	900W	700W
1500W	1250W	1000W
2000W	1800W	1500W

*Note: When ganging any combination of small and large controls, place a small control on one extreme end of the gang, and a large control at the other end of the gang. When ganging with side sections intact, use offset mounting holes. When ganging with side sections removed, use center mounting holes. Allow a 1/32 in. gap (space) between controls for ease in attaching the faceplate.*

### Specification Grade Slide and Rotary Series

Switchboxes Required: Side sections removed

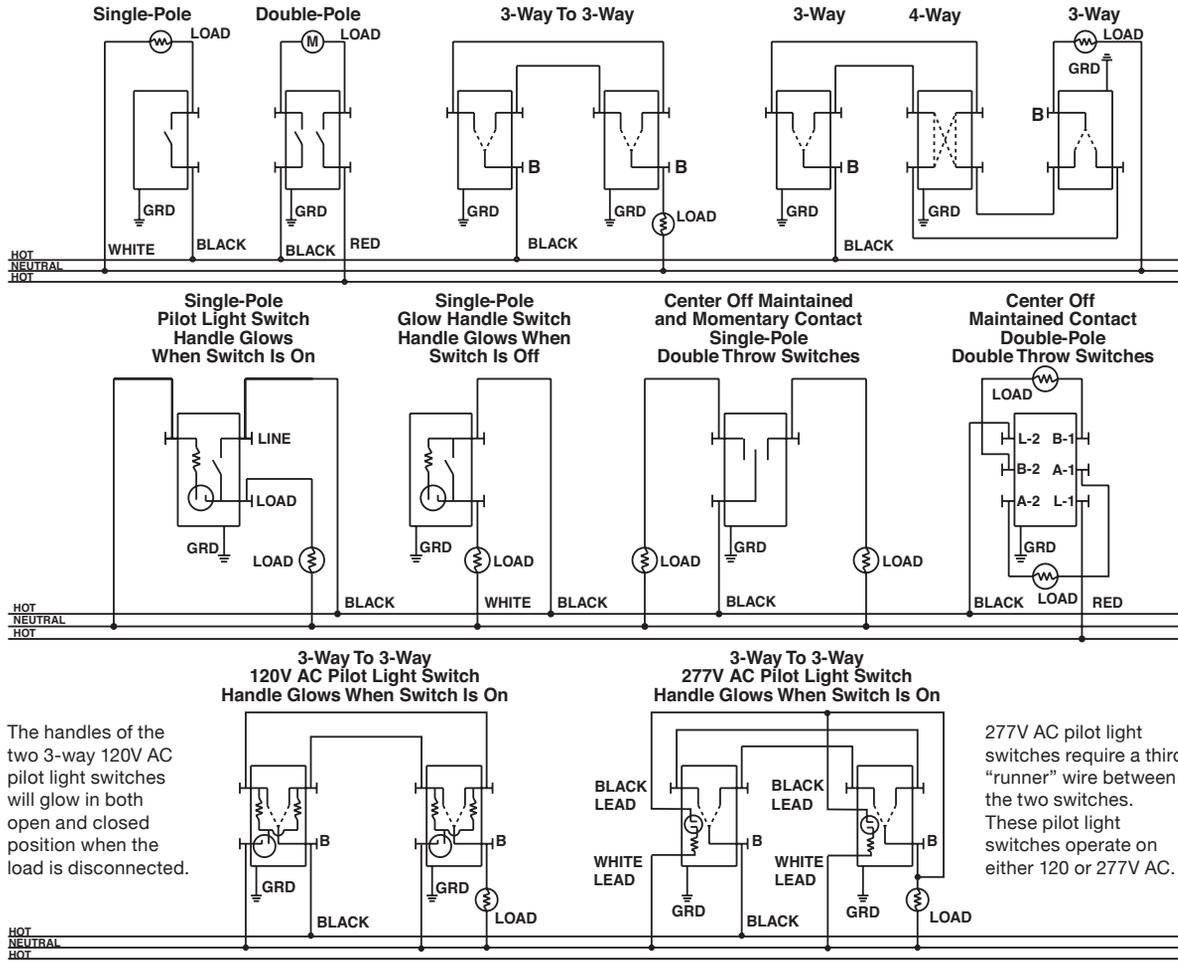
#### Derating Chart

1 dimmer in wall box	2 dimmers in wall box	3 or more dimmers in wall box
600W	500W	400W
1000W	800W	650W
5A fan speed	4A fan speed	3A fan speed

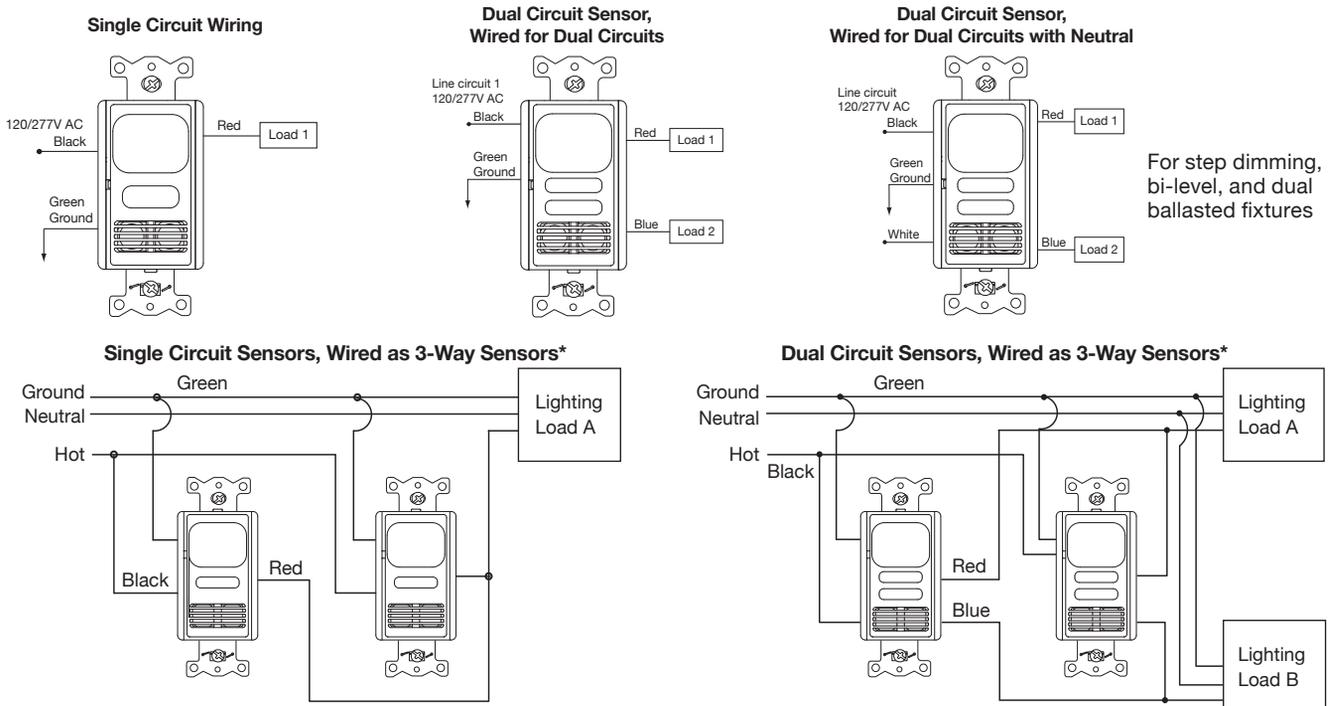
# Technical Information

## Switches Wiring Diagrams

### AC Switches



### Wiring Schematic MSD and MSU Series Wall Switch Sensors



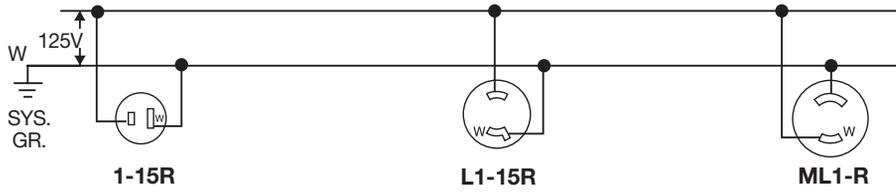
Note: \*Load can not exceed the rating of one switch. Sensor is shipped with all dip switches in the OFF position (factory default).

# Technical Information

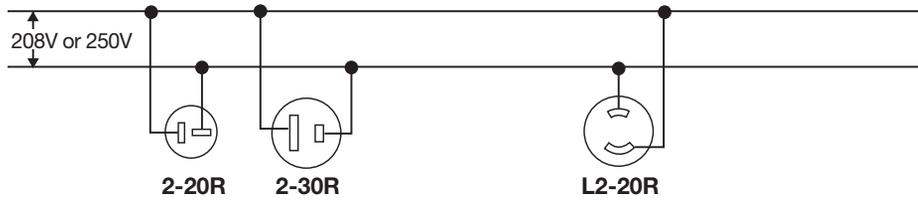
## Wiring Diagrams

### 2-Pole 2-Wire

125V

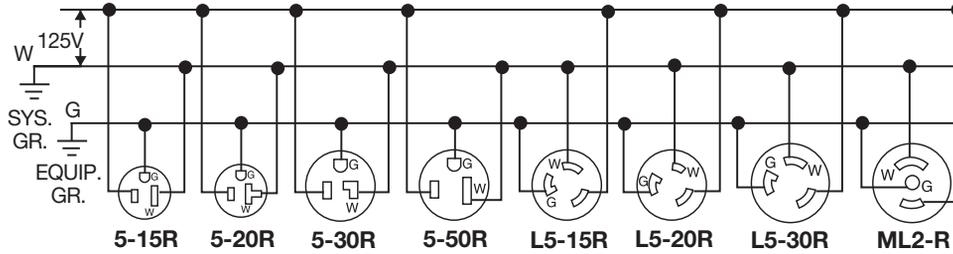


208V or 250V

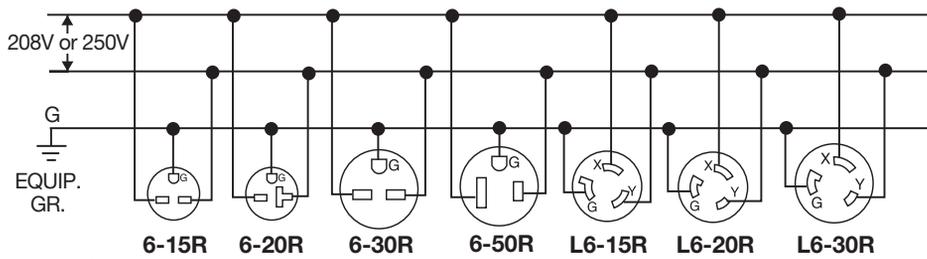


### 2-Pole 3-Wire Grounding

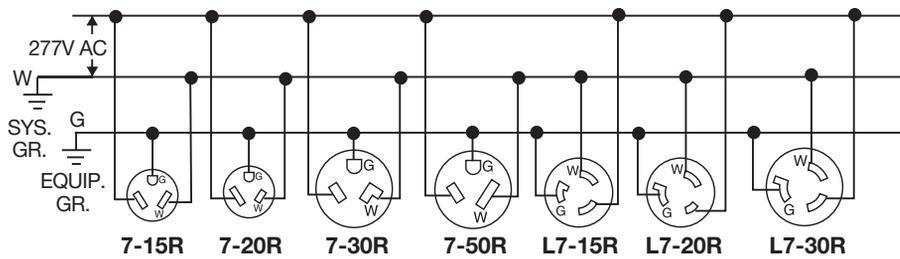
125V



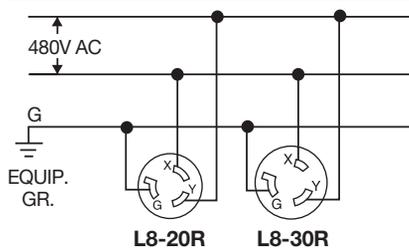
208V or 250V



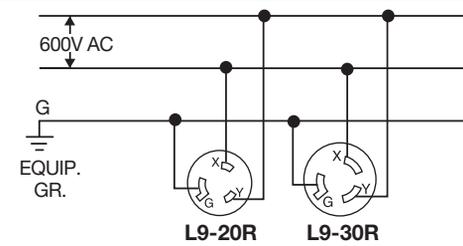
277V AC



480V AC



600V AC

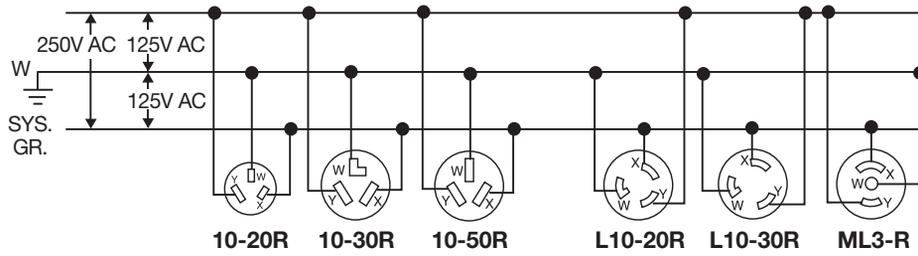


# Technical Information

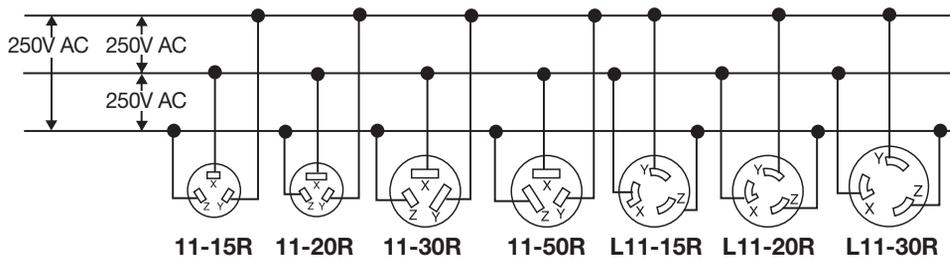
## Wiring Diagrams

### 3-Pole 3-Wire

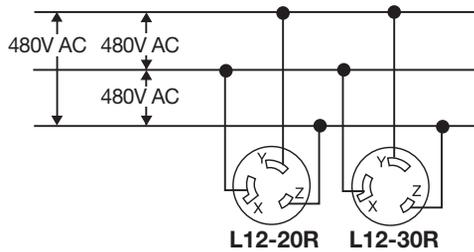
125/250V AC



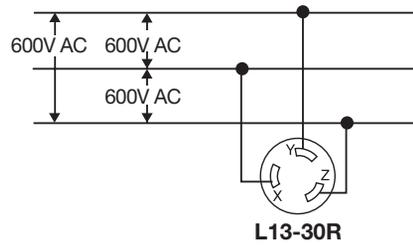
3Ø 250V AC



3Ø 480V AC

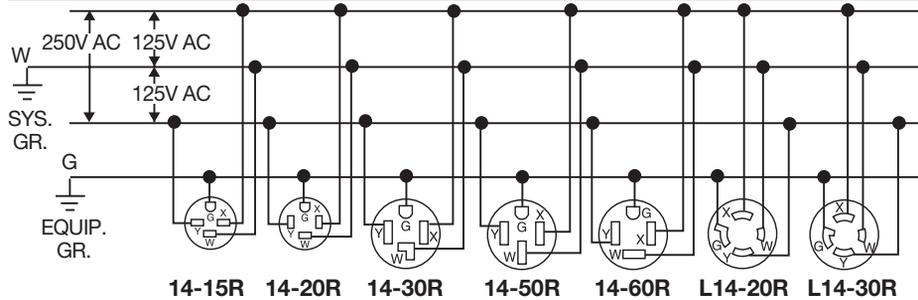


3Ø 600V AC

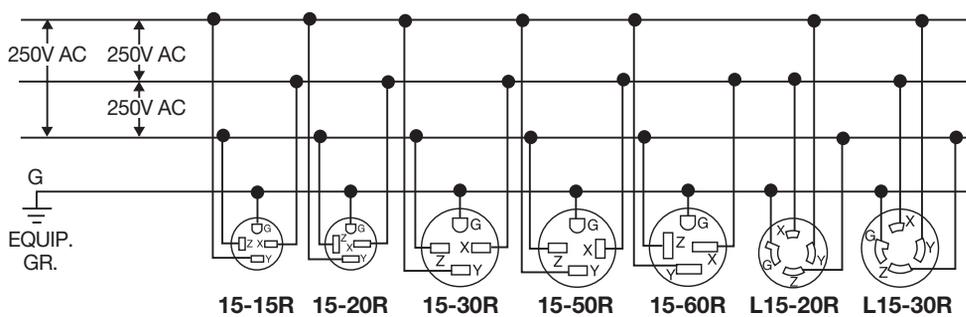


### 3-Pole 4-Wire Grounding

125/250V AC



3Ø 250V AC

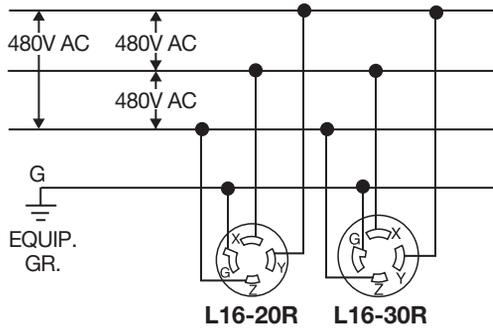


# Technical Information

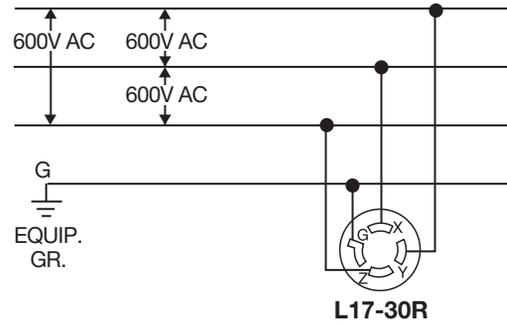
## Wiring Diagrams

### 3-Pole 4-Wire Grounding

3Ø 480V AC

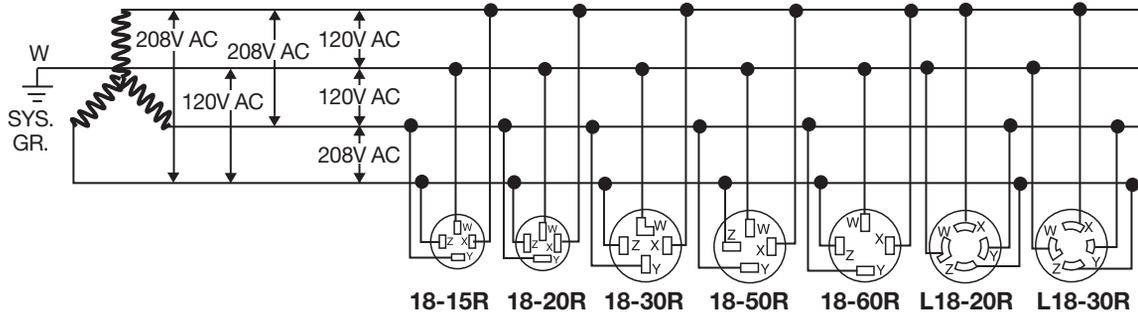


3Ø 600V AC

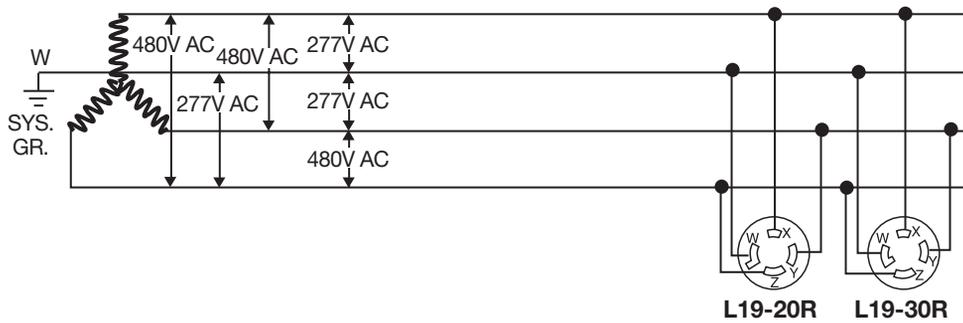


### 4-Pole 4-Wire

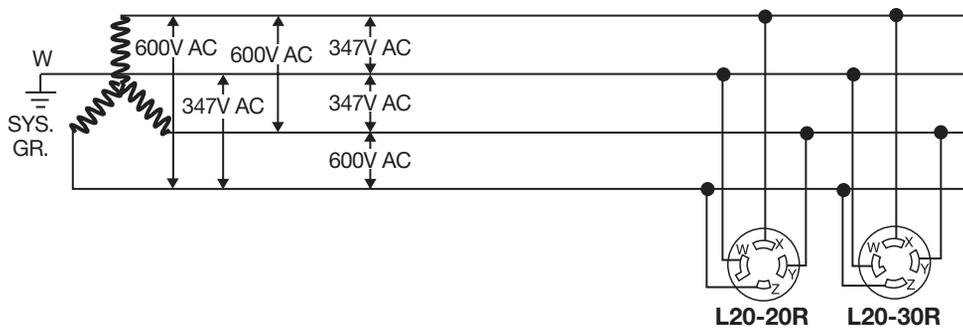
3Ø 120/208V AC



3Ø 277/480V AC



3Ø 347/600V AC

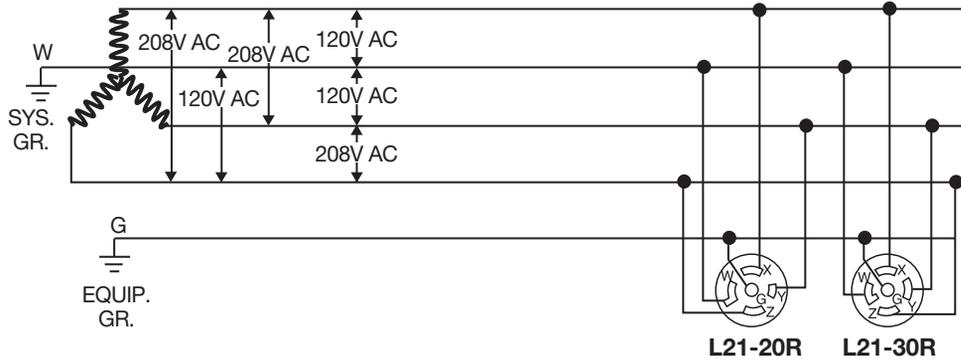


# Technical Information

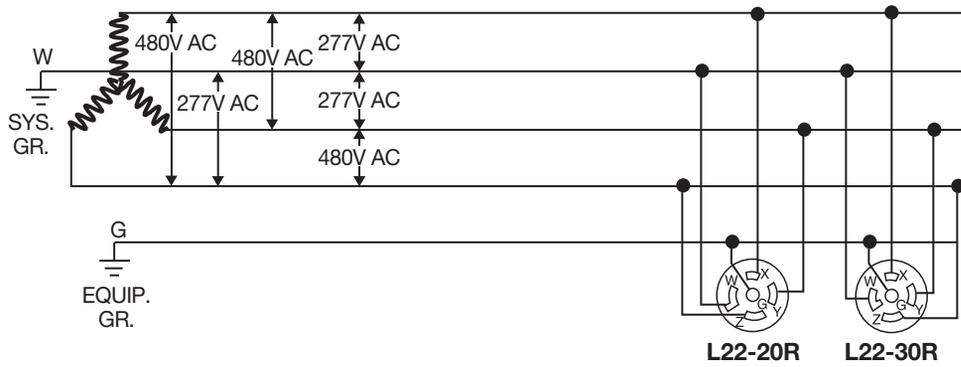
## Wiring Diagrams

### 4-Pole 5-Wire Grounding

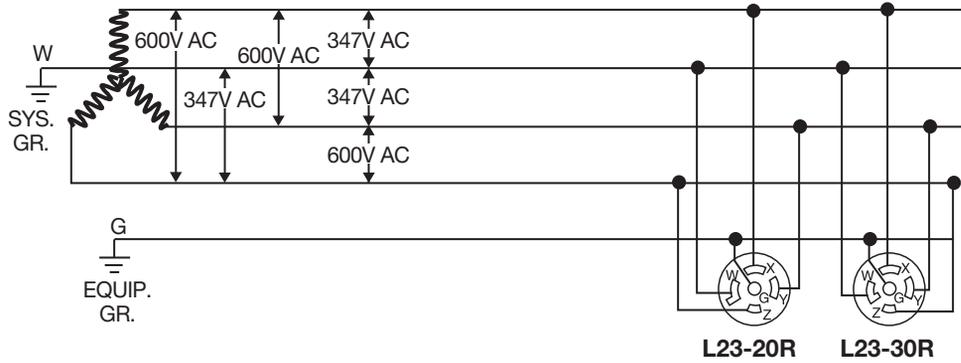
3ØY 120/208V AC



3ØY 277/480V AC



3ØY 347/600V AC



# Technical Information

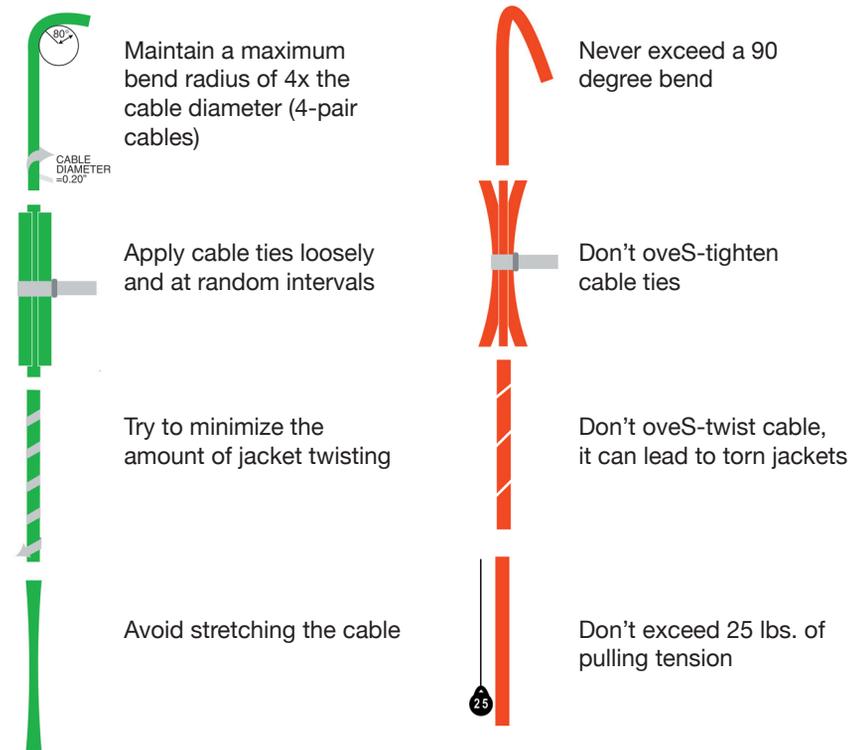
## Network Cabling Requirements

### Supported Media - International

Designation	ANSI/TIA-568-C	ISO/IEC 11801 2nd Ed. 2002	GENELEC EN-50173-1: 2002
Category 3 (16 MHz)	Supported	Supported: Class C	Supported: Class C
120Ω Category 3 (16 MHz)	Not Supported	Supported: Class C	Supported: Class C
Category 5e (100 MHz)	Supported	Supported: Class D	Supported: Class D
Category 6 (250 MHz)	Supported	Supported: Class E	Supported: Class E
Category 6A (500 MHz)	Supported	Supported: Class EA*	Supported: Class EA*
Category 7 (600 MHz)	Not Recognized	Supported: Class F	Supported: Class F
50/125 - 62.5/125 Multimode	Supported	Supported	Supported
Singlemode Fiber	Supported	Supported	Supported
Singlemode Fiber to the Work Area	Not Supported	Supported	Supported
Work Area Outlet Configuration	4 Pairs T568A or B	4 Pairs T568A Only	4 Pairs T568A Only
Stranded Patch Cord Attenuation	120% of Horiz. Cable	150% of Horiz. Cable	150% of Horiz. Cable

Note: \*Category 6A requirements will be incorporated into ISO/IEC 11801 and CENELEC EN-50173 after the release of the ANSI/TIA-568-C standards series.

- Strip back only as much cable jacket as is required for termination and maintain pair twists as close as possible to the point of mechanical termination
- At a minimum, never allow untwisting of pairs as specified:  
Category 5e and 6/6A: 0.5 inch max.



Use appropriate methods for dressing and securing cables:

- Cable ties
- Cable support bar
- Wire management panels
- Releasable straps

Don't use a staple gun to position cable

# General Information

No material will be accepted for return unless permission is granted in writing by Bryant. All orders received for special items are accepted as firm orders and are not subject to cancellation by the customer.

Claims for freight charges or allowances of any kind will not be considered after 30 days from receipt of goods and our responsibility ceases when we have delivered such shipments to the carriers and hold their receipts.

All Bryant devices are UL Listed and CSA Certified unless otherwise indicated.

Product dimensions in this catalog are nominal and are provided for the convenience of our customers. We reserve the right to make changes from time to time, without notice, which may change the dimensions shown. Therefore, we recommend verifying dimensions with us before using them for product developments or prints.

The designs and dimensions of the products listed in this catalog, correct at the date of publication, are subject to change without notice.

This catalog is published solely for information purposes and should not be considered all-inclusive.

Typographical or pictorial errors which are brought to our attention will be corrected in subsequent issues.

## Bryant Trademarks

Since 1888, Bryant Electric has been a pioneer in the wiring industry. Just as the Bryant name is recognized as a mark of durability and quality, so are many of the trade names we use with our devices. These include:

CIRCUITPRO®	PLUGBOX®
COBRA®	PlugTrak®
EXTRA DUTY®	Quad Gripper®
Fashion Series™	QUADCAB®
FloorTrak®	QUADPLEX®
inSIGHT™	RE-BOX®
JLOAD®	SpeakON®
MAXX™	TECH-SPEC®
netSELECT®	tradeSELECT®
OPTIMYZER®	Triple Gripper®

**UPC: 781786**  
**Cage Code: 71183**

## Associations



**National Electrical Manufacturers Association**  
NEMA promotes the competitiveness of its member companies by providing a forum for the development of technical standards that are in the best interests of the industry and the users of its products.



**National Association of Electrical Distributors**  
Since 1908, NAED has served as the trade association for the electrical distribution industry. To be an NAED associate member, your company must be a manufacturer or value-added reseller.



**Restriction of Hazardous Substances**  
The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment".



**U.S. Green Building Council Member**  
Bryant is a US Green Building Council (USGBC) member dedicated to advancing buildings that are environmentally responsible in the way they are designed, built and operated.

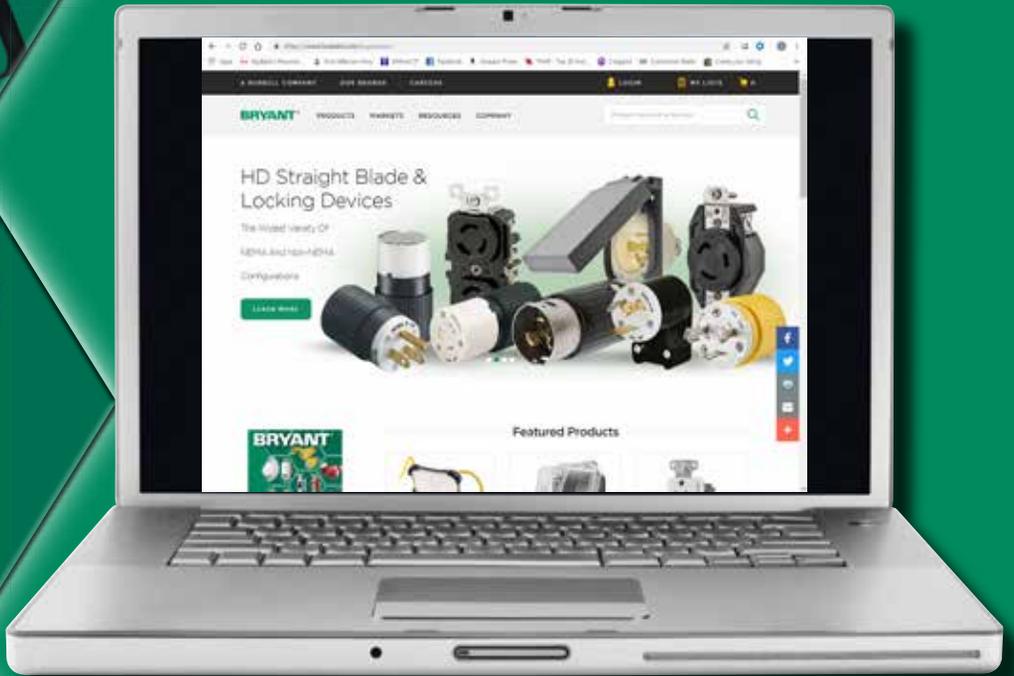


**International Organization for Standardization**  
ISO (International Organization for Standardization) is the world's largest developer and publisher of International Standards.



**International Electrotechnical Commission (IEC)**  
IEC is the world's leading organization that prepares and publishes International Standards for all electrical, electronic and related technologies.





Online technical support lets you search for answers to technical questions about Bryant products. If you can't find the answer you need, submit the question online to receive a response. You can also browse the specification library by part number incorporated into our eCatalog.

Superior performance for vertical markets enable us to provide tailored, packaged solutions for industrial, commercial, institutional, and residential markets based on real-world experience.

**Bryant Electric**  
Hubbell Incorporated (Delaware)  
40 Waterview Drive  
Shelton, CT 06484  
Phone (800) 323-2792  
FAX (800) 543-0538

**BRYANT®**

[www.hubbell.com/bryant/en/](http://www.hubbell.com/bryant/en/)

