



# NAC3A X-W | powerCON TRUE1

Locking female cable connector, power-in, screw terminals

The powerCON TRUE1 is a locking 20 A true mains connector. It replaces appliance couplers wherever a very rugged solution in combination with a locking device is needed in order to guarantee a safe power connection.

The powerCON TRUE1 is a connector with breaking capacity (CBC), i.e. it can be connected or disconnected under load or live.



## Features & Benefits

- True mains connector with breaking capacity (CBC)
- Lockable 20 A single phase connector
- Dust and water resistant according to IP65 in mated condition
- Easy and reliable twist lock system
- Extremely robust and reliable
- Unique Neutrik cable retention
- ENEC certified according to IEC 60320
- UL recognized components

## Technical Information

Product	
Title	NAC3T X-W
Electrical	
Contact resistance	≤ 3 mΩ (inner)
Dielectric strength	4 kVdc / 2.8 kVac
Insulation resistance	0,1 GΩ (after damp heat test IEC 68-2-30)
Number of electrical contacts	2 + PE
Rated current per contact	16 A rms (USA: 20 A)
Rated voltage	250 V ac
Mechanical	
Cable O.D.	6 - 12 mm
Lifetime	> 5000 mating cycles
Wiresize	1.0 - 2.5 mm <sup>2</sup>
Wiresize	12 AWG
Material	
Contact plating	2 μm Ag
Contacts	CuPb 0.2
Insert	Polyamide (PA 6.6 30 % GR)
Shell	Polyamide (PA 6.6 30 % GR)
Strain relief	Polyacetal (POM)

Environmental	
Flammability	UL 94 V-0
Protection class	IP 65 (mated)
Temperature range	-30 °C to +80 °C

### APPLIANCE INLET

**POWER IN**

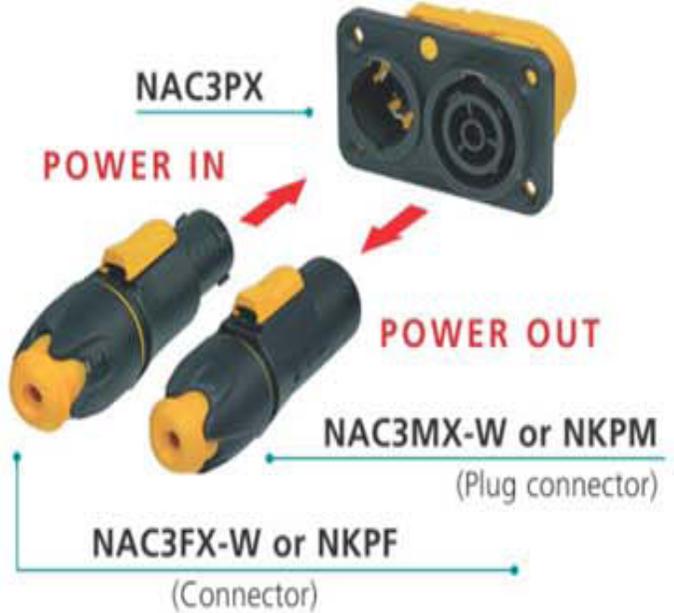


Mating scenario powerCON TRUE 1 chassis connector  
NAC3MPX-W

Bild 1 von 2

### APPLIANCE COMBINATION

**INLET | OUTLET**



Mating scenario powerCON TRUE 1 chassis connector  
NAC3PX

Bild 2 von 2

**Distributor:**



Phone: 407-857-8770  
 Fax: 407-857-8771  
 Email: sales@techni-lux.com