



# PRODUCT MANUAL




## powerCON® TRUE1® TOP | NAC3FX-W-TOP-L



### 1 APPLICATION INSTRUCTION

✓ IP 65 RATED 

#### APPLICATION:

- The powerCON® TRUE1® system is certified as appliance couplers with breaking capacity according to IEC 60320-1, EN IEC 60320-1, UL 60320-1, CSA C22.2 No. 60320-1.
- It serves to supply power to an appliance and from an appliance to other equipment.
- To be installed by qualified person only.
- Appliance couplers acc. to IEC 60320-1 are suitable to be used in cord sets and interconnection cord sets acc. to IEC 60799

POWER IN	POWER OUT	POWER IN / POWER OUT ▶ Combination
<b>APPLIANCE INLET</b> NAC3MPX-TOP NAC3MPX-WOT-TOP 	<b>APPLIANCE OUTLET</b> NAC3FPX-TOP NAC3FPX-WOT-TOP NAC3FPX-ST-TOP 	<b>APPLIANCE INLET / APPLIANCE OUTLET</b> NAC3PX-TOP 
<b>CONNECTOR</b> NAC3FX-W-TOP-L	<b>PLUG CONNECTOR</b> NAC3MX-W-TOP-L	<b>CONNECTOR</b> NAC3FX-W-TOP-L <b>PLUG CONNECTOR</b> NAC3MX-W-TOP-L

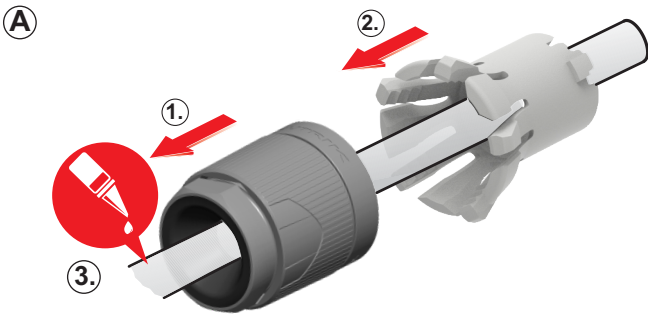
Products are in compliance with:	IEC 60320-1 EN IEC 60320-1 	UL 60320-1 CSA C22.2 No. 60320-1 
Ratings:	16A 250V AC	20A 250V AC
Conductor cross section:	2.5 mm <sup>2</sup>	14 - 12 AWG
Cable O.D.:	10.0 - 16.0 mm (0.39 - 0.63")	10.0 - 16.0 mm (0.39 - 0.63")

### CABLE LIST

Cable: IEC/EN 60320-1	3 x 2.5 mm <sup>2</sup>		
■ H07RN-F	✓		-
Cable: UL 60320-1, CAN/CSA-C22.2 No. 60320-1		14/3 AWG	12/3 AWG
■ SOOW	-	✓	✓
■ SJOOW	-	-	✓



## 2 ASSEMBLY INFORMATION



Place the bushing (1) and chuck (2) over the cable.

**Important:** Chuck and Bushing cannot be placed over the cable after the assembly of the insert.

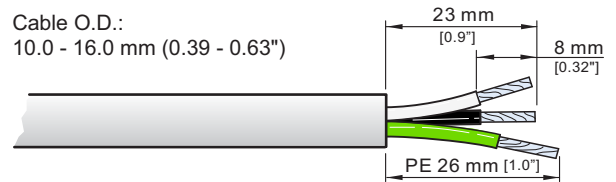
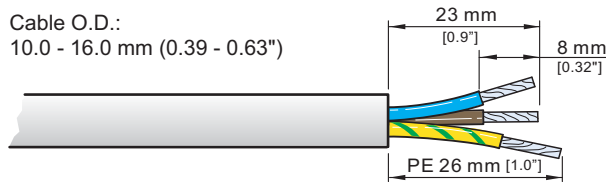
(3) For easier assembly please use a cable lubricante.

B

Prepare cable as shown.

IEC/EN 60320-1

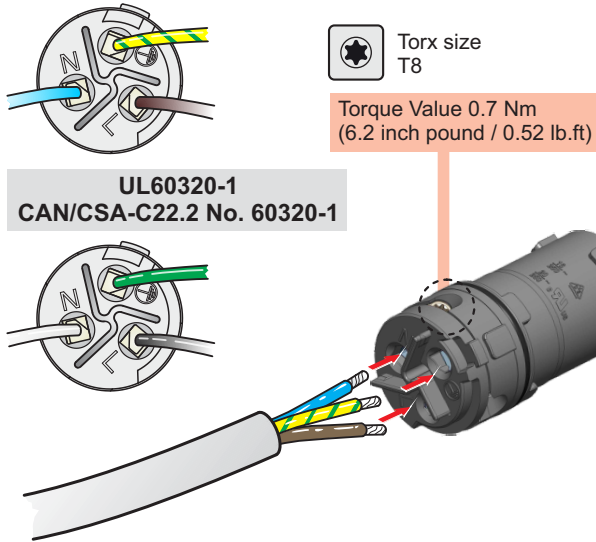
UL60320-1  
CAN/CSA-C22.2 No. 60320-1



C

IEC/EN 60230-1

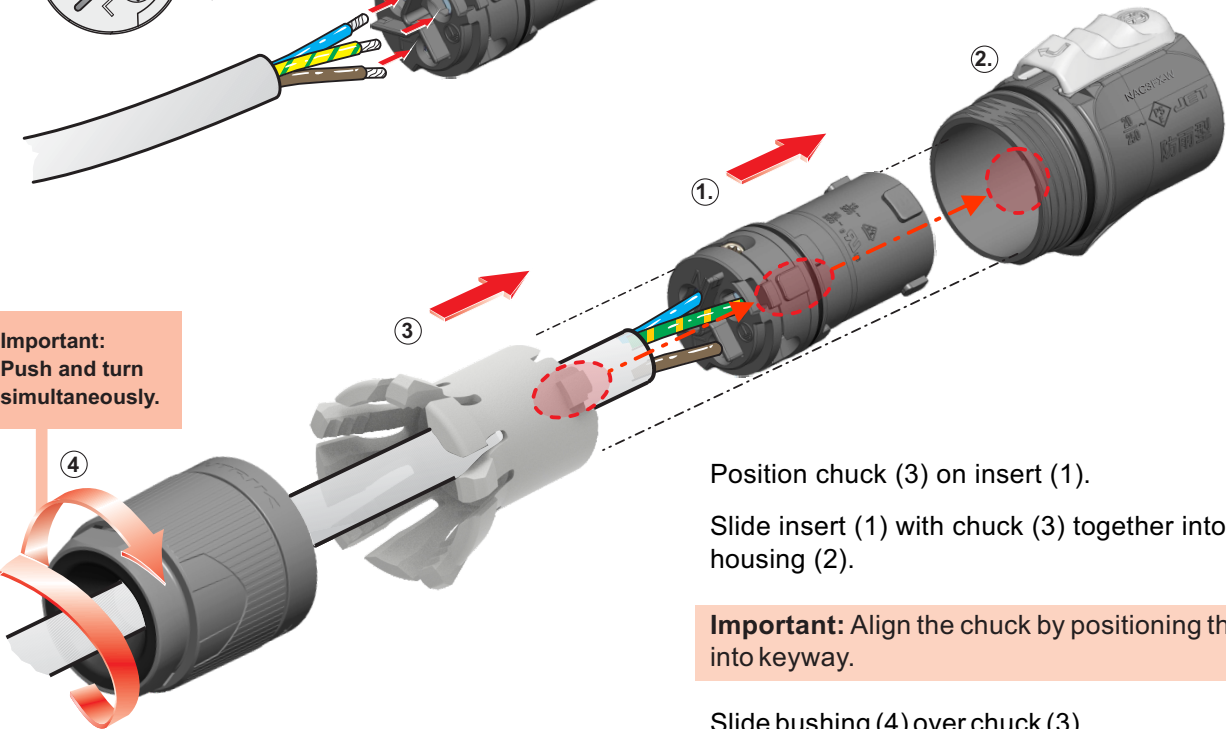
Slide the cable into the contacts and clamp with the screw with Torx size T8.



Typical Wiring	IEC 60320-1 EN IEC 60320-1	UL 60320-1 CSA C22.2 No. 60320-1
L ⇒	brown	black
N ⇒	blue	white
⊥ ⇒	green/yellow	green

D

**Important:** Push and turn simultaneously.



Position chuck (3) on insert (1).

Slide insert (1) with chuck (3) together into housing (2).

**Important:** Align the chuck by positioning the nose into keyway.

Slide bushing (4) over chuck (3).



**E**

27 mm 1 1/8 inch Hex bit

Neutrik HTLACA (5)

Torque Value 2.5 Nm (22 inch pound / 1.8 lb-ft)

Neutrik HTLACB (6)

Neutrik HTLACB

Hold the connector with the NEUTRIK tool (5) and tighten bushing with the NEUTRIK tool (6) as shown.

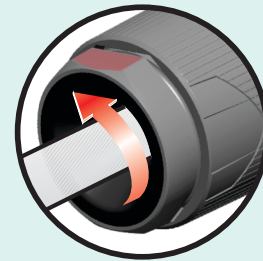
For an exact mounting position use a torque wrench with 27 mm (1 1/8 inch) hex bit (7) and tighten it with 2.5 Nm (22 inch pound / 1.8 lb-ft).

**Important:** Black O-ring to be covered by the bushing to achieve IP protection (8).

NEUTRIK tool:	(5)	HTLACA
	(6)	HTLACB

### 3 FOR DISASSEMBLY

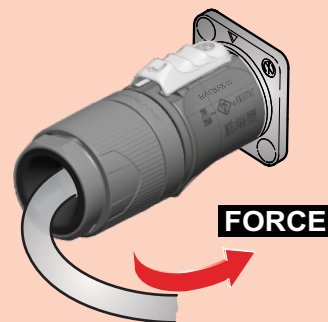
1. Use the Neutrik tool HTLACB.
2. Position the tool on the surfaces and open the clamping sleeve.



### 4 SAFETY INFORMATION

#### CAUTION

To ensure protection category, do not expose the connection to bending forces (e.g. do not attach loads to the cable, no free-dangling cable windings etc.).



#### SAFETYWARNING

For safety and certification reasons the connector must be replaced in case of any broken parts or excessive wear and tear.






## 5 Application and Safety Instructions

### A Assembly

- When assembling and processing the product, ensure the use of appropriate personal protective equipment.
- Neutrik components must only be assembled with designated and specified components.
- Replacement parts are suitable only when used in combination with the designated components. The product's characteristics are guaranteed only in the intended combination.

### B Application

- The product is exclusively intended for installation in electronic equipment or similar devices.
- The product is not intended for use in medical applications.
- The product is not intended for use in potentially explosive or flammable environments.
- Appliance couplers are not intended for use as climbing aids. Caution: Electrical hazards!
- For indoor use only .

### C Operation

- Before plugging in, check the contact area for dry surfaces.
- Product surfaces may cause burns at elevated ambient temperatures. Ensure the use of appropriate protective equipment.
- Neutrik products should only be combined with products from Neutrik Group brands.

### D Cleaning

- Clean only with dry and lint-free materials or compressed air.
- The product must not be cleaned while under load. The product may only be cleaned while it is not connected to any voltage and without the use of cleaning agents.

### E Damages

- Handle products with care.
- In case of visible damages, check the suitability of the product for use.

## 6 More Information on the website

<https://www.neutrik.com/en/product/nac3fx-w-top-l>



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[www.neutrik.com](http://www.neutrik.com)

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