



# PRODUCT MANUAL

## Power G-Series | Locking 3 pole Appliance Coupler RCAC3I-G-002-S & RCAC3O-G-002-S RCAC3I-G-002-L & RCAC3O-G-002-L

### 1 APPLICATION & SAFETY INSTRUCTION

✓ IP 20

#### ■ APPLICATION:

- The REAN Power Connector 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.

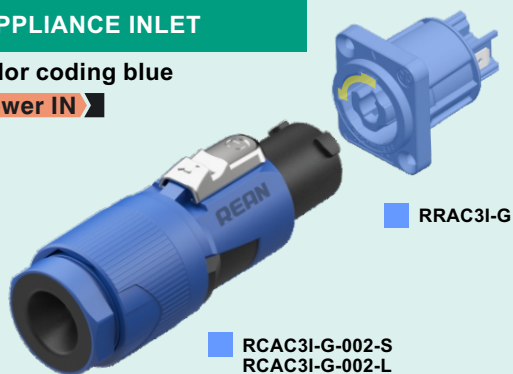
#### ■ Connector Combination & Keyways:

With the two non-interchangeable types (connectors and plug connectors) it is impossible to produce a short circuit. Mating combination are identified by mechanical keyways and by color.

##### APPLIANCE INLET

Color coding blue

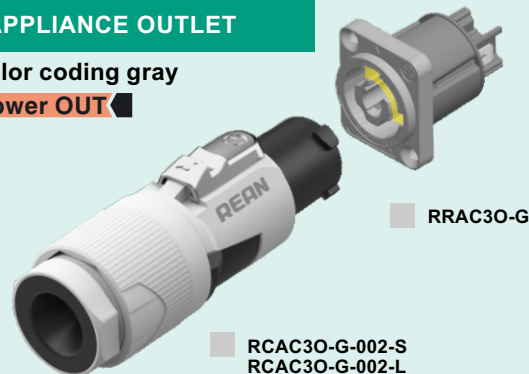
Power IN ►



##### APPLIANCE OUTLET

Color coding gray

Power OUT ◄



Products are in compliance with:

IEC 60320-1  
EN IEC 60320-1



UL 60320-1  
CSA C22.2 No. 60320-1



Ratings:

16 A 250 V AC

20 A 250 V AC

Conductor cross section:

1.5 - 2.5 mm<sup>2</sup>

14 - 12 AWG

### CABLE LIST

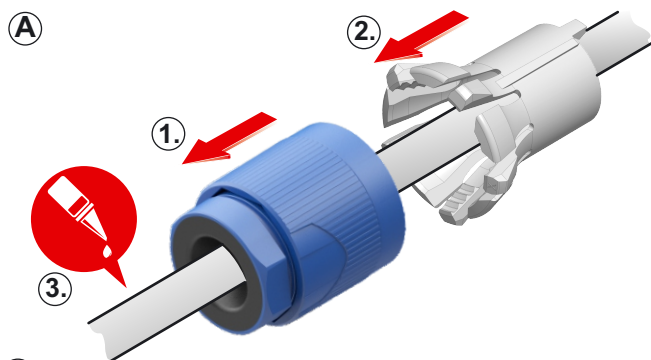
Cable: IEC 60320-1 EN IEC 60320-1	3 x 1.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	
■ H07RN-F	-S	-L	
■ H05VV-F	-S	-S	

Cable: UL 60320-1, CAN/CSA-C22.2 No. 60320-1	14/3 AWG	12/3 AWG
■ SOOW	-L	-L
■ SJOOW	-S	-L



## 2 ASSEMBLY INFORMATION



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

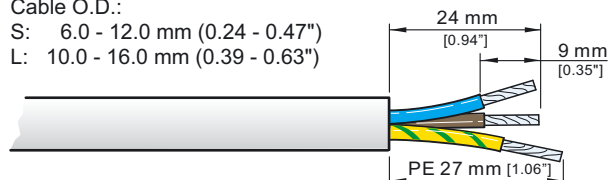
**Important:** Chuck and Bushing cannot be placed over the cable after the assembly of the insert.

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

**B**

IEC 60320-1  
EN IEC 60320-1

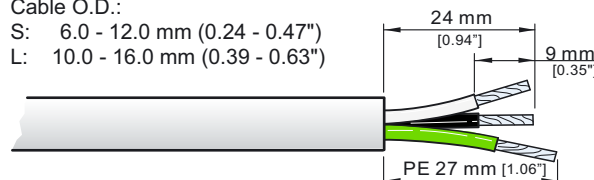
Cable O.D.:  
S: 6.0 - 12.0 mm (0.24 - 0.47")  
L: 10.0 - 16.0 mm (0.39 - 0.63")



Prepare cable as shown.

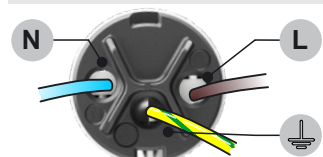
UL60320-1  
CSA C22.2 No. 60320-1

Cable O.D.:  
S: 6.0 - 12.0 mm (0.24 - 0.47")  
L: 10.0 - 16.0 mm (0.39 - 0.63")

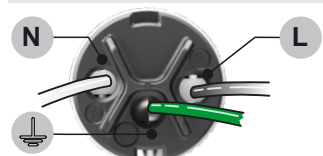


**C**

IEC/EN 60230-1



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



Torx size  
T8

Torque Value 0.7 Nm  
(6.2 inch pound / 0.52 lb.ft)

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

**Typical  
Wiring**

**IEC 60230-1  
EN IEC 60230-1**

**UL60320-1  
CSA-C22.2  
No. 60320-1**

L ⇒

brown

black

N ⇒

blue

white

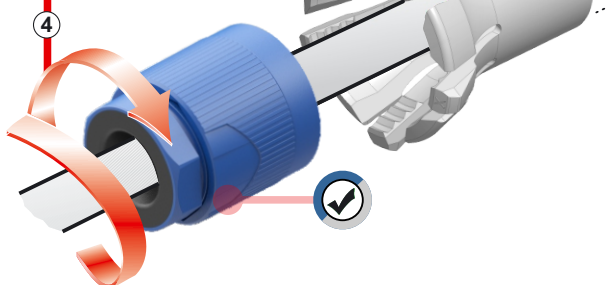
PE ⇒

green/yellow

green

**D**

**Important:**  
Push and turn simultaneously.



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

Position chuck (1) on insert (2).

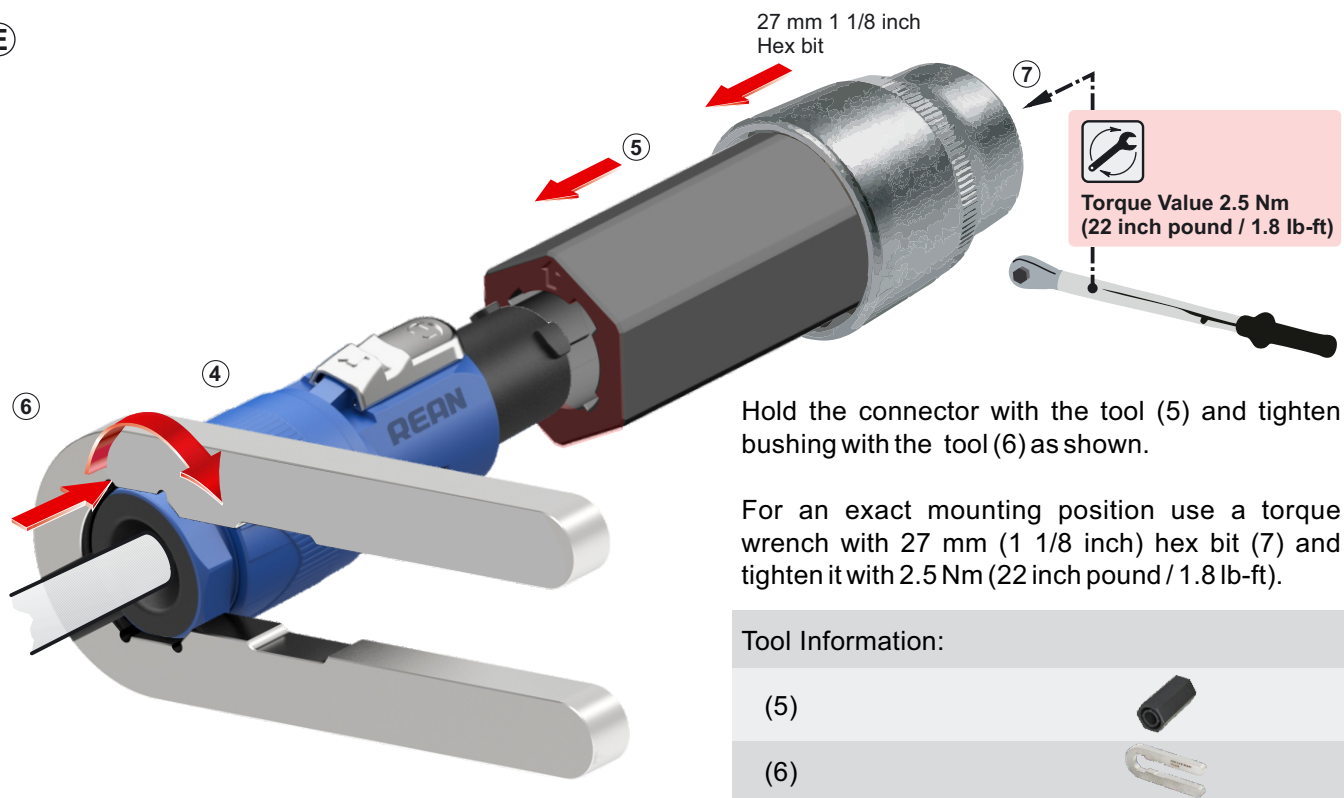
Slide insert (2) with chuck (1) together into housing (3).

Slide bushing (4) over chuck (1).

**Important:**  
All 3 parts must have the  
SAME COLOR CODING,  
BLUE (IN) or Grey (OUT).



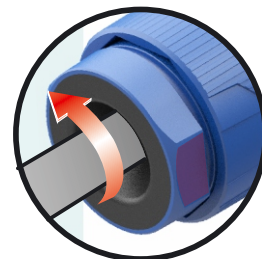
E



### 3 DISASSEMBLY INFORMATION

#### FOR DISASSEMBLY!

1. Use the tool.
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.).



#### SAFETY WARNING

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