



RCAC3I-G-002-S

IEC EN 60320-1 compliant main AC Power inlet single phase lockable connector with Circuit Breaking Capability when mated with REAN Power G Series receptacles.



Features & Benefits



- ✓ IEC EN 60320-1 / UL 60320-1 / CSA C22.2 No. 60320-1 certified, thus accepted as a component for cord sets acc. to IEC 60799 / UL 817 and equipment acc. to IEC 62368-1
- ✓ Strain relief for cable diameters 6 mm to 12 mm
- ✓ Easy and reliable twist lock system

Article Variations

Article Name	Details	Packaging
RCAC3I-G-002-S-0	Blue housing, power inlet	BULK
RCAC3I-G-002-S-1	Blue housing, power inlet	Single Package

Technical Information

Product	
Title	RCAC3I-G-002-S
Connection type	Power connector

Electrical	
Contact resistance	$\leq 2 \text{ m}\Omega$
Dielectric strength	$> 3 \text{ kVac}$ (after mating cycles)
Insulation resistance	$> 10 \text{ G}\Omega$ (Initial)
Number of electrical contacts	2+PE
Rating Europe	IEC/EN 60320-1: 16 A 250 V AC, CBC
Rating USA / Canada	UL 60320-1: 20 A 127 V AC cUL CSA C22.2 No. 60320-1: 20 A 127 V AC

Mechanical

Cable O.D.	6 - 12 mm
Lifetime	5,000 mating cycles
Wiresize (mm ²)	1.5 – 2.5 mm ²
Wiresize (AWG)	14 AWG
Locking device	Twist lock
Termination	Screw type terminals

Material

Contacts plating	Ag
Contacts	Copper alloy
Insert	Polyamide
Locking element	Zinc diecast
Shell	Polypropylene / TPE
Strain relief	Polypropylene
Bushing	Polypropylene / TPE

Environmental

Temperature range	-30 °C to +80 °C
Protection Class	IP20
Flammability acc. to UL94	V-0