Style

M12 Plug, shielded 5 pin A-coding

Ratings

Voltage: 60 V Current: 4 A

Operating Temperature Range

-40~105 °C

Materials

- (1) Insulator: Polyamide 66 (PA66), UL94 HB, black
- (2) Pin: C3604 brass, gold plated
- (3) Shell: C3604 brass, nickel plated
- (4) Nut: C3604 brass, nickel plated
- (5) O-ring: Silicone rubber
- 6 Epoxy: Epoxy resin

Electrical Requirements
Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: $10 \text{ m}\Omega$ or less

Mechanical Requirements

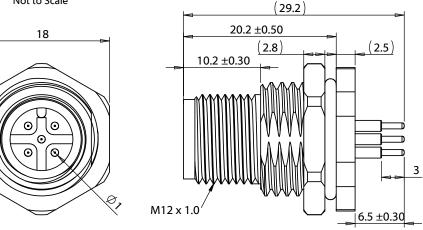
Life cycle: 500 mating cycles minimum

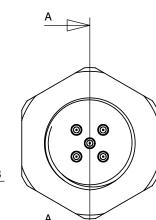
Environmental Requirements

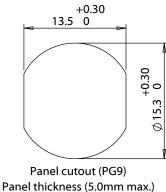
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 m Ω . Waterproof: IP67

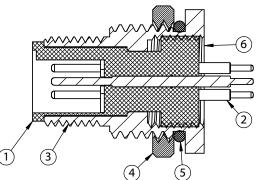


Not to Scale









-	5
2	1 25
3	4 ~7

PCB Layout

Revision:	Date:	Description:	Prepared:
Α	10/6/2020	Initial release	
			Verified:
			Dimensions are in millimeters.
			Tolerances:
			X: ± 0.3 mm
			X.X: ± 0.1 mm
			X.XX: ± 0.05 mm

repared: Notes:

RoHS compliant

Function test: no open, no short circuit, no intermittent

Description:

Connector, M12 A-code plug, 5 pin, 12xL29.2 mm, panel mount, thru hole, gold plated, IP67

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Part number: Size: 54-00217

Scale: 2:1

SECTION A-A

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