

Style
M8 Plug, shielded
3 pin
A-coding

Ratings
Voltage: 60 V
Current: 3 A

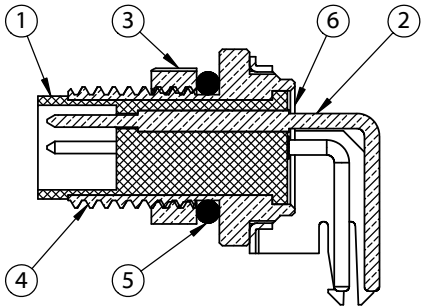
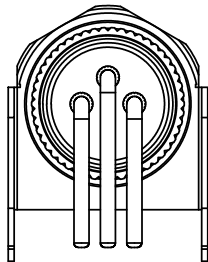
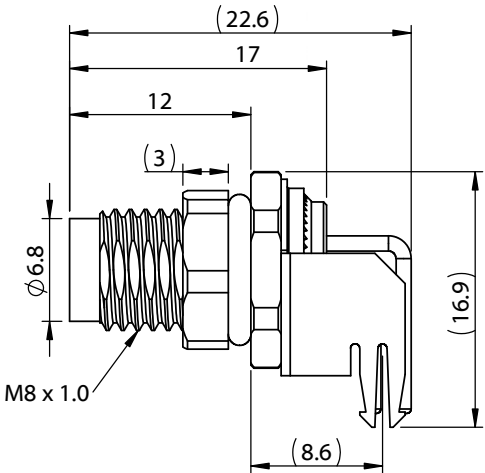
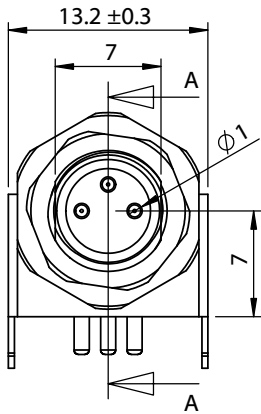
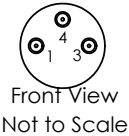
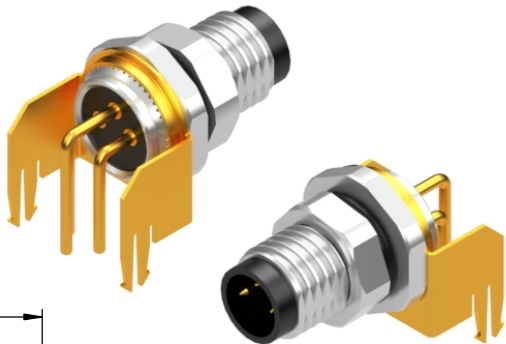
Operating Temperature Range
-40~105 °C

Materials
① Insulator: PA66, UL 94 HB, black
② Pin: C3604 brass, gold flashing
③ Nut: C3604 brass, nickel plated
④ Shell: C3604 brass, nickel plated
⑤ O-ring: Silicone rubber
⑥ Epoxy: Epoxy resin

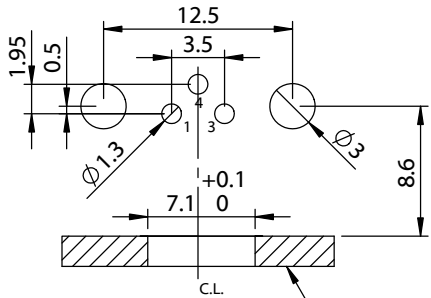
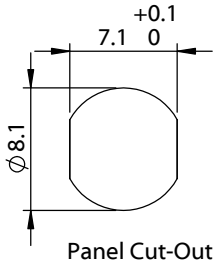
Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements
Life cycle: 1000 mating cycles minimum

Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ. Waterproof: IP67 (in mated state). IP67 panel ingress requires sealing cap



SECTION A-A



PCB Layout

Panel Thickness
2.0 ~ 3.0 mm

Revision:	Date:	Description:
A	8/23/21	Initial Release

Prepared:
Verified:
Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm

Notes:
RoHS compliant
Function test: no open, no short circuit, no intermittent
Description: Connector, M8 A-code plug, 3 pin, 8xL22.6 mm, panel mount, thru hole, 90°, board lock, gold plated, IP67

TENSILITY

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Size:	Part number:
A	54-00271
Scale: 2:1	Sheet 1 of 1