

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

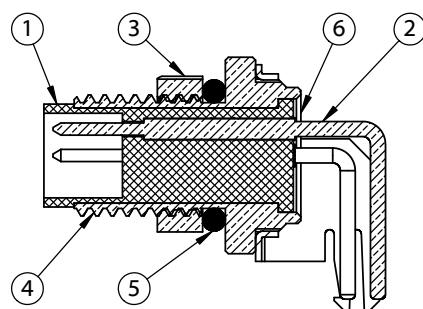
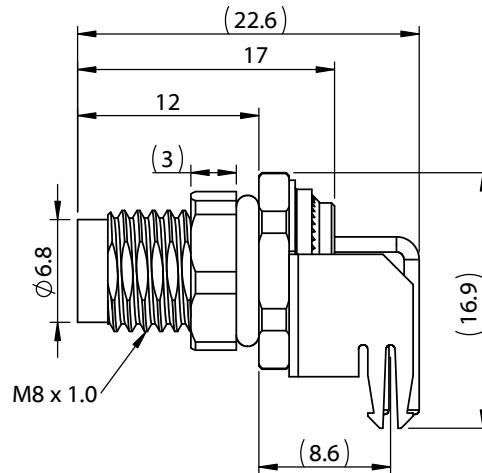
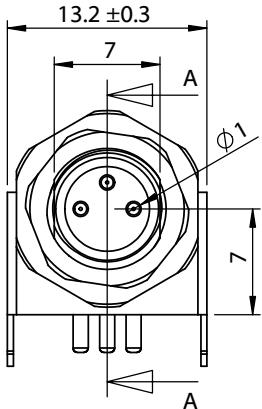
Life cycle: 1000 mating cycles minimum

Environmental Requirements

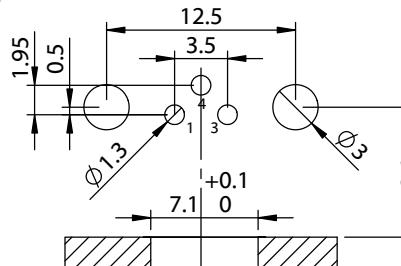
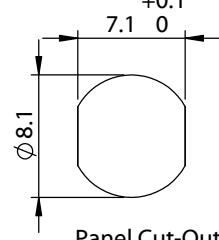
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67 (in mated state). IP67 panel ingress requires sealing cap



Front View
Not to Scale



SECTION A-A



Panel Thickness
2.0 ~ 3.0 mm

Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY
A	8/23/21	Initial Release		RoHS compliant Function test: no open, no short circuit, no intermittent	tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
			Verified:	Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Description: Connector, M8 A-code plug, 3 pin, 8xL22.6 mm, panel mount, thru hole, 90°, board lock, gold plated, IP67
					Size: A Part number: 54-00271
					Scale: 2:1