Style

M12 Plug, shielded 4 pin A-coding

Ratings

Voltage: 250 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

Electrical Requirements

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

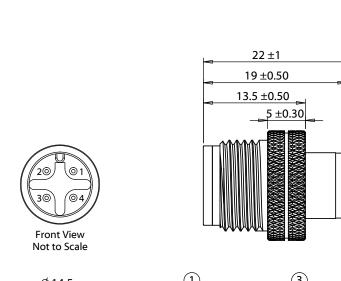
Mechanical Requirements

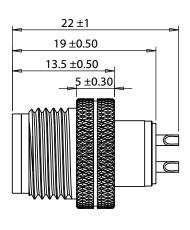
Life cycle: 500 mating cycles minimum

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

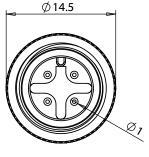
Assembly Info

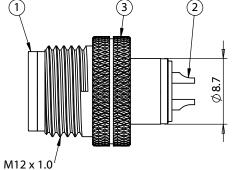
Wire gauge: 22 AWG max

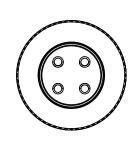












Revision:	Date:	Description:	Prepared:
Α	7/24/2020	Initial release	Digitally signed Date: 2020.10.2: 12:37:14-07'00'
			Verified:
			AG Digitally signed by Date: 2020.10.23 13
			Dimensions are in millimeters.
			Tolerances:
			X: ± 0.3 mm
			X.X: ± 0.1 mm
			X.XX: + 0.05 mm

Notes:

ned by JC 0.23 '00'

RoHS compliant

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

Description:

Connector, 4 pin M12 A-code plug, 12xL22mm, gold plated, molding style, solder cup, IP67, shielded

tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com

Part number: Size: 50-00987

Scale: 2:1

Sheet 1 of 1