

Style
M12 Socket
3 pin
S-coding

Ratings
Voltage: 630 Vac
Current: 12 A

Operating Temperature Range
-40 ~ 105 °C

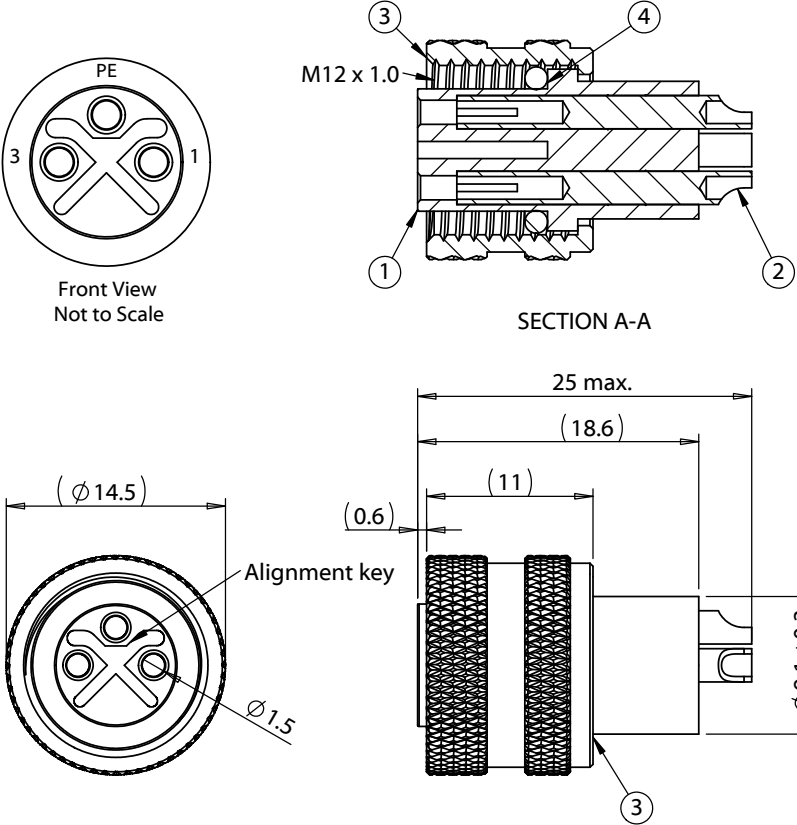
Materials
① Insulator: Polyamide 66 (PA66), UL94 HB, black
② Pin: C5191 Phosphor bronze, gold plated
③ Shell: C3604 brass, nickel plated
④ O-ring: Silicone rubber

Electrical Requirements
Insulation resistance: 100 MΩ @500 Vdc
Contact resistance: 10 mΩ 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 mΩ
Waterproof: IP67

Assembly Info
Wire gauge: 18 AWG max



Revision:	Date:	Description:
A	03/12/2025	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, M12 S-code socket, 3 pin, 12xL25 mm, gold plated, molding style, solder cup, IP67

TENSILITY

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Size: A	Part number: 50-01051
Scale: 2:1	Sheet 1 of 1