

Style
M12 Socket, shielded
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, 56-00036
 - ③ M12 Shell: C3604 Brass, nickel plated
 - ④ Outer Shell: C3604 Brass, nickel plated
 - ⑤ Collet nut: C3604 Brass, nickel plated
 - ⑥ Collet: HDPE
 - ⑦ Gasket: Silicone rubber
 - ⑧ O-ring: Silicone rubber

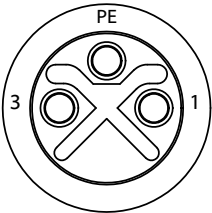
Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements
Life cycle: 500 mating cycles minimum

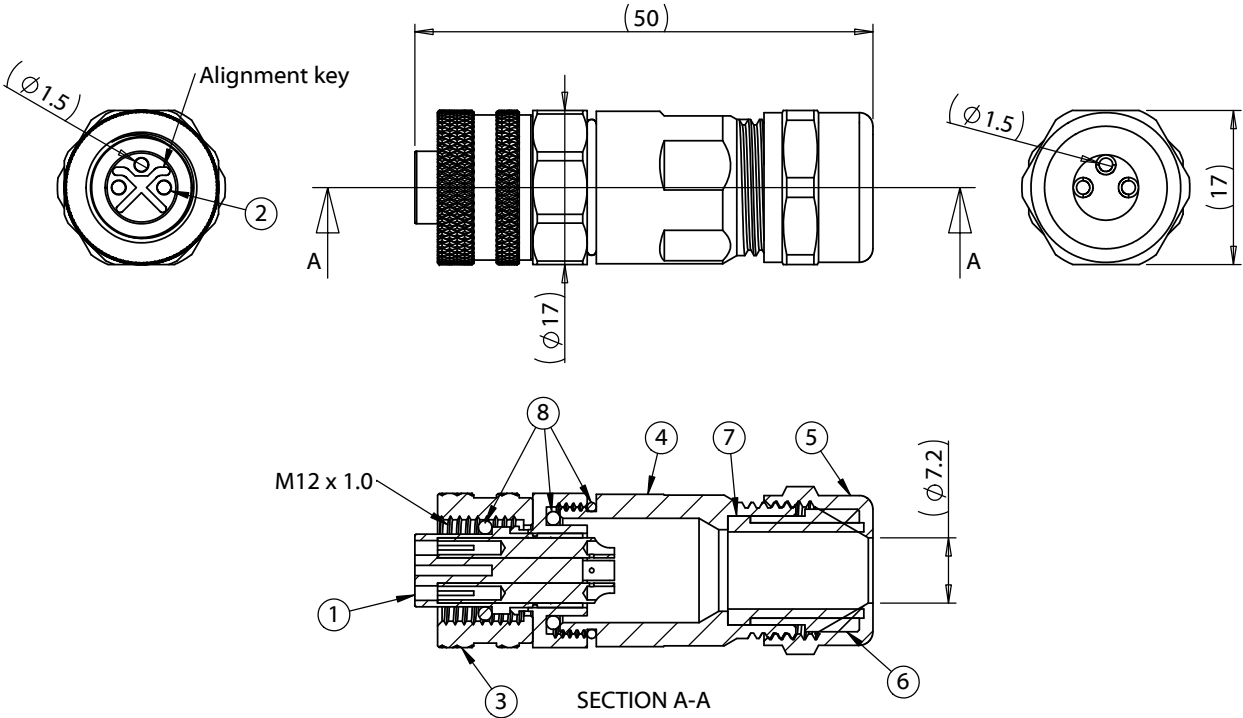
Assembly Info
Waterproof: IP67
Suitable cable OD: 5 ~ 7 mm
Terminal style: solder cup
Max torque force:
M12 shell: 0.4 Nm
Collect nut: 0.8 ~ 1.0 Nm

Recommended Wires

AWG	UL21767	12A compatible
16	30-03515	Yes
18	30-03516	Yes
20	30-03517	-
22	30-03518	-
24	30-03519	-



Front View
Not to Scale



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	03/20/2024	Initial release	Verified:	RoHS compliant Function test: no open, no short circuit, no intermittent			
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Description: Connector, M12 S-code socket, 3 pin, 12xL50 mm, gold plated, assembly type, solder cup, IP67, shielded	Size: A	Part number: 55-00453	Sheet 1 of 1
					Scale: 1.2:1		