Style
M12 90° Socket
4 pin
B-coding

Ratings
Voltage: 250 V
Current: 4 A

Operating Temperature Range
-40~120°C

Materials
1. Insulator: Polyamide 66 (PA66), UL94 V-0, black
2. Pin: C3604 Brass, gold plated
3. M12 Shell: C3604 Brass, nickel plated
4. Outer Shell: Polyamide 66 (PA66), UL94 V-0, black
5. Collect nut: Polyamide 66 (PA66), UL94 V-0, black
6. Collect: Polyamide 66 (PA66), UL94 V-0, black
7. O-ring: Silicone, green

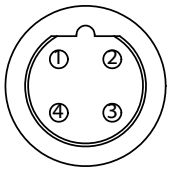
Electrical Requirements
Dielectric strength: 1 min @ 1500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 0.5 Ω or less

Mechanical Requirements
Life cycle: 1000 mating cycles minimum

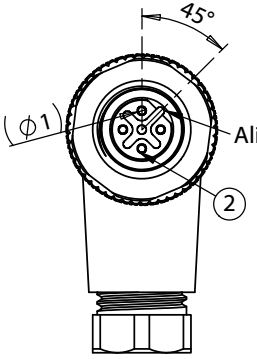
Assembly Info
Moisture resistant
Waterproof: IP67
Suitable cable OD: 4.0 ~ 6.2 mm
Terminal style: screw
Max torque force:
M12 shell: 0.4 Nm
Collect nut: 0.8 ~ 1.0 Nm

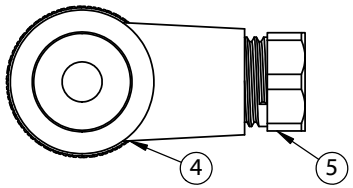
Recommended Wires

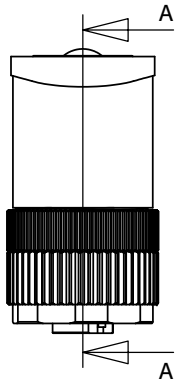
AWG	TPU wire	PVC wire	4A compatible
20	30-03077	30-01657	Yes
22	30-03078	30-01658	Yes
24	30-03079	30-01659	Yes
26	30-03080	30-01660	No
28	30-03081	30-01661	No
30	30-03082	30-01662	No
32	30-03083	30-01663	No

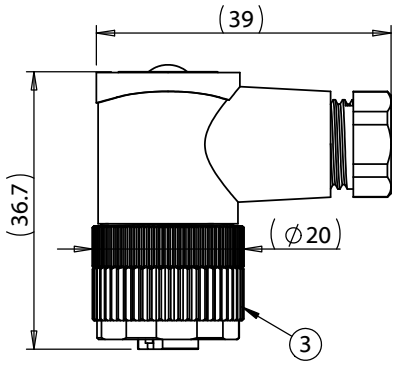


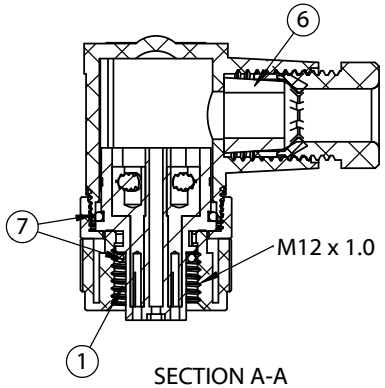
Front View
Not to Scale











SECTION A-A

Revision:	Date:	Description:
A	11/29/2024	Initial release

Prepared: RR
Digitally signed by RR
Date: 2025.03.05 10:28:38 -08'00'

Verified: AL
Digitally signed by AL
Date: 2025.03.05 15:21:41 -08'00'

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 B-code socket, 4 pin, 12xL39 mm, 90° gold plated, assembly style, screw terminal, IP67, metal thread

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 55-00433
Scale: 1:1
Sheet 1 of 1

5 4 3 2 1