Style
M12 99° Socket, shielded
5 pin
D-coding

Ratings
Voltage: 60 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: C3604 Brass, nickel plated
5. Metal ring: C3604 Brass, nickel plated
6. Collet nut: C3604 Brass, nickel plated
7. Collet: Polyamide 66 (PA66), UL94 V-0, black
8. O-ring: Silicone, green
9. Washer: 65Mn Steel, nickel plated

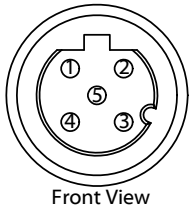
Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements
Life cycle: 1000 mating cycles minimum

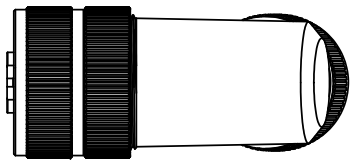
Assembly Info
Waterproof: IP67
Suitable cable OD: 6.0 ~ 8.2 mm
Terminal style: screw
Max torque force:
M12 shell: 0.4 Nm
Collect nut: 0.8 ~ 1.0 Nm

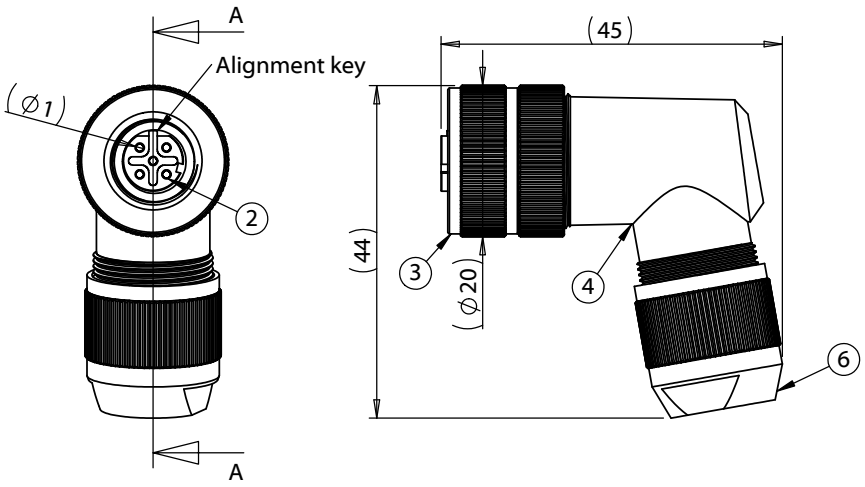
Recommended Wires

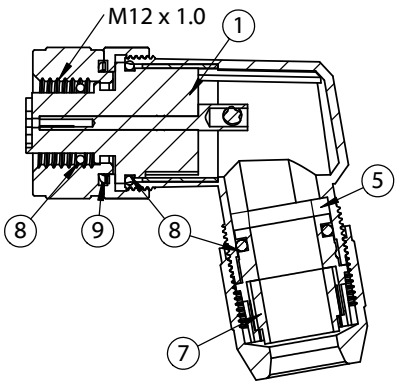
AWG	TPU wire	PVC wire	4A compatible
18	30-03012	30-01584	Yes
20	30-03013	30-01585	Yes
22	30-03014	30-01586	Yes
24	30-03015	30-01587	Yes
		30-02976	Yes



Front View
Not to Scale







SECTION A-A

Revision:	Date:	Description:
A	12/23/2024	Initial release

Prepared: RR Digitally signed by RR Date: 2024.12.30 09:56:41 -08'00'

Verified: AL Digitally signed by AL Date: 2024.12.30 13:20:42 -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 D-code socket, 5 pin, 12xL44 mm, 99° gold plated, assembly style, screw terminal, IP67, shielded

TENSILITY
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fax 1.541.323.4202 web tensility.com

Size: A
Part number: 55-00307
Scale: 1:1
Sheet 1 of 1

5 4 3 2 1