Style
M12 99° Socket, shielded
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: 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

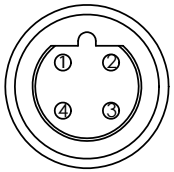
Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements
Life cycle: 1000 mating cycles minimum

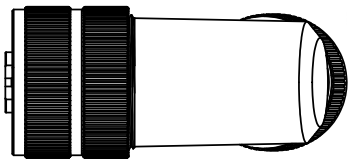
Assembly Info
Waterproof: IP67
Suitable cable OD: 6.0 ~ 8.2 mm
Terminal style: screw
Max torque force:
M12 shell: 0.4 Nm
Collect nut: 0.8 ~ 1.0 Nm

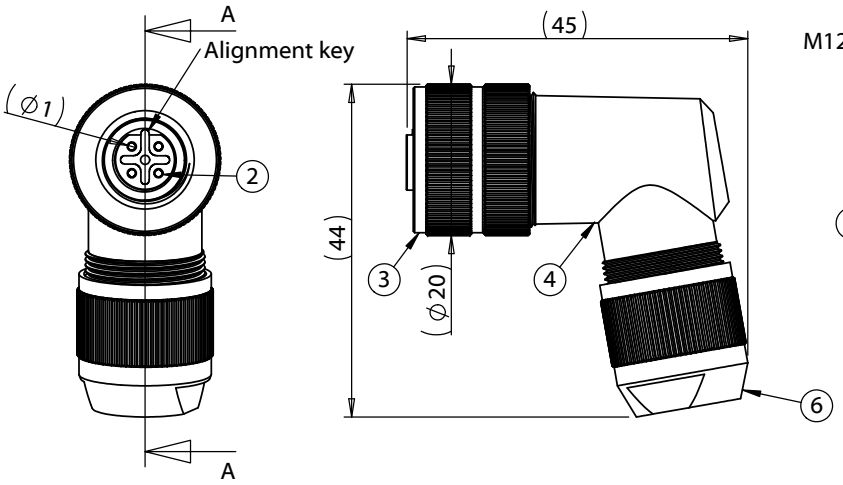
Recommended Wires

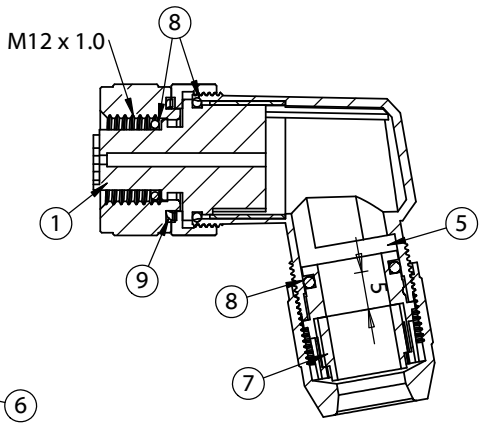
AWG	TPU wire	PVC wire	4A compatible
18	30-03004	30-01576	Yes
20	30-03005	30-05177	Yes
22	30-03006	30-01578	Yes
		30-03378	Yes



Front View
Not to Scale







SECTION A-A

Revision:	Date:	Description:
A	05/24/2024	Initial release

Prepared: RR Digitally signed by RR Date: 2024.12.30 09:13:34 -08'00'

Verified: AL Digitally signed by AL Date: 2024.12.30 13:13:50 -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, 12xL44 mm, 99° gold plated, assembly style, screw terminal, IP67, shielded

TENSILITY
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Size: A
Part number: 55-00294
Scale: 1:1
Sheet 1 of 1

5 4 3 2 1