Style
M12 Plug
5 pin
B-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: Polyamide 66 (PA66), UL94 V-0, black
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

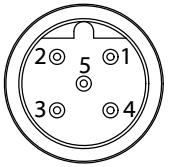
Electrical Requirements
Dielectric strength: 1 min @ 1500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 0.5 Ω or less

Mechanical Requirements
Life cycle: 500 mating cycles minimum

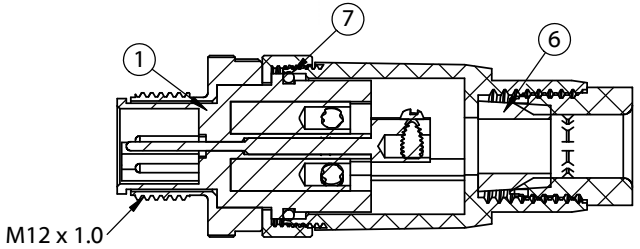
Assembly Info
Moisture resistant
Waterproof: IP67
Suitable cable OD: 4.0 ~ 6.2 mm
Terminal style: screw
Max torque force:
M12 shell: 0.4 Nm
Collect nut: 0.8 ~ 1.0 Nm

Recommended Wires

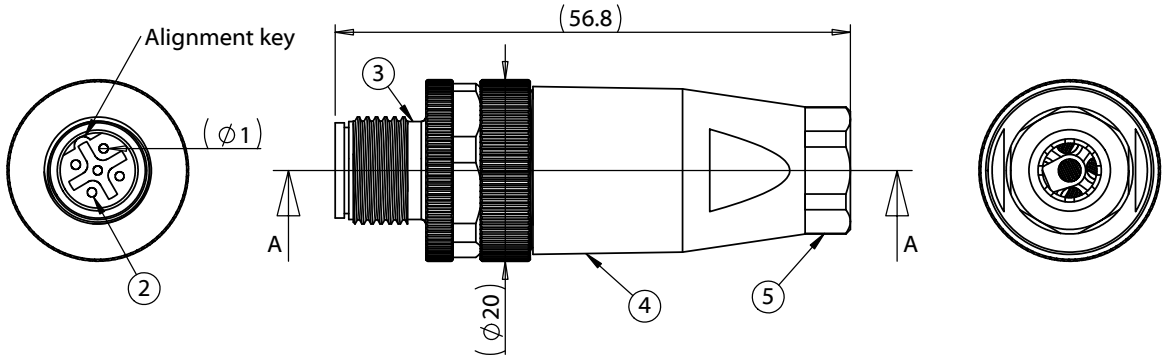
AWG	TPU wire	PVC wire	4A compatible
20	30-03085	30-01665	Yes
22	30-03086	30-01666	Yes
24	30-03087	30-01667	Yes
26	30-03088	30-01668	No
28	30-03089	30-01669	No
30	30-03090	30-01670	No
32	30-03091	30-01671	No



Front View
Not to Scale



SECTION A-A



Revision:	Date:	Description:
A	05/21/2024	Initial release

Prepared: AL
Digitally signed by AL
Date: 2024.12.18 13:06:11 -08'00'

Verified: RR
Digitally signed by RR
Date: 2024.12.30 13:46:23 -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 plug, 5 pin, 12xL56.8 mm, gold plated, assembly style, screw terminal, IP67, plastic thread

TENSILITY
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Size: A
Part number: 55-00448
Scale: 1.2:1
Sheet 1 of 1

5 4 3 2 1