

Style
M12 Plug
4 pin
S-coding

Ratings
Voltage: 630 Vac
Current: 12 A
Flammability: UL94 V-0

Operating Temperature Range
-25 ~ 80 °C

- Materials**
- ① Insulator: Polyamide 66 (PA66), UL94 V-0, black
 - ② Pin: C3604 Brass, gold plated
 - ③ M12 Shell: Zinc alloy, nickel plated
 - ④ Screw: Polyamide 66 (PA66), UL94 V-0, black
 - ⑤ Outer Shell: Polyamide 66 (PA66), UL94 V-0, black
 - ⑥ Collet nut: Polyamide 66 (PA66), UL94 V-0, black
 - ⑦ Collet: Silicone, black
 - ⑧ O-ring: Silicone, green

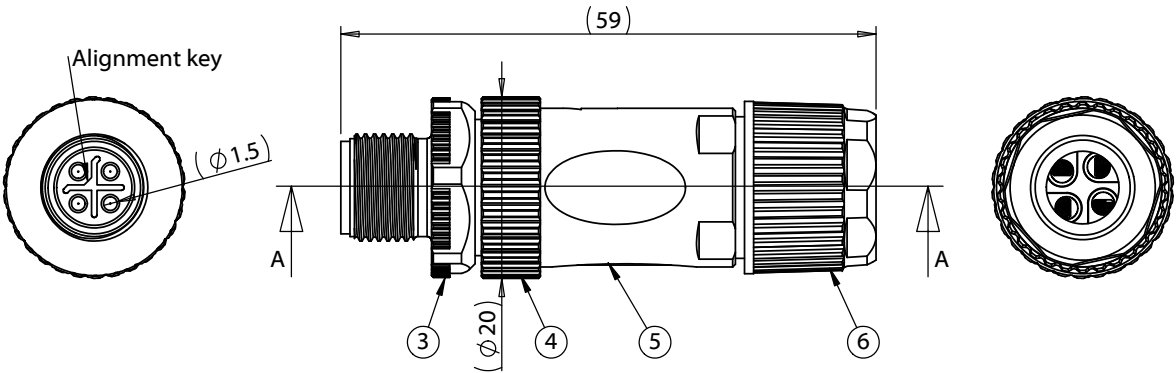
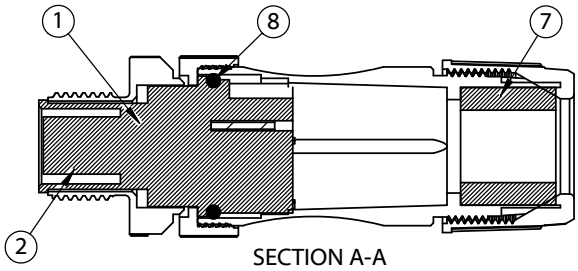
Electrical Requirements
Dielectric strength: 1 min @ 1500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements
Life cycle: 500 mating cycles minimum

Assembly Info
Allen key: 1.5 mm (included)
Waterproof: IP67
Recommended cable OD: 4.0 ~ 8.0 mm
Terminal style: screw, 1.0 mm diameter
Max torque force:
M12 shell: 0.4 Nm
Collet nut: 0.8 ~ 1.0 Nm

Recommended Wires

AWG	TPU wire	4A compatible
16	30-03524	Yes



Revision:	Date:	Description:	Prepared: CR Digitally signed by CR Date: 2026.07.31 11:22:00 -07'00'	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	07/28/2026	Initial release	Verified: KW Digitally signed by KW Date: 2026.08.03 11:27:43 -07'00'	RoHS compliant	
			Dimensions are in millimeters.	Function test: no open, no short circuit, no intermittent	Description: Connector, M12 S-code plug, 4 pin, 12xL59 mm, gold plated, assembly style, screw terminal, IP67, metal thread
			Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm		
					Size: A Part number: 55-00500
					Scale: 1.2:1 Sheet 1 of 1