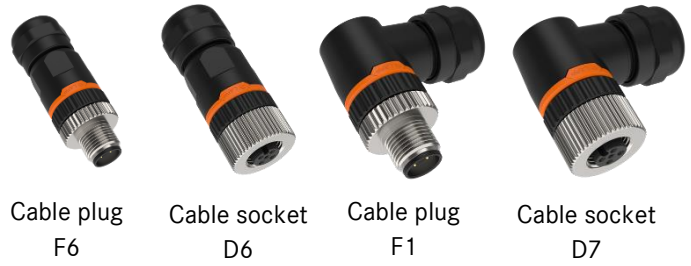


381166319	<b>DATA SHEET</b>	
Valid from: 28.06.2024	<b>EPIC® SENSOR M12A 4-PIN SCREW</b>	

**Description:**

- Circular connector for signal transmission
- Straight and angled version with cable aperture 4 mm - 8 mm
- High-quality gold-plated contacts



**Product variants:**

Article number	Type	Pole image	Cable diameter
381166319	Cable plug with male contacts (F6)	A-coded; 4 pole	4 mm - 8 mm
381166326	Cable socket with female contacts (D6)	A-coded; 4 pole	4 mm - 8 mm
381166333	Angled cable plug with male contacts (F1)	A-coded; 4 pole	4 mm - 8 mm
381166339	Angled cable socket with female contacts (D7)	A-coded; 4 pole	4 mm - 8 mm

**General characteristic values:**

Series	Sensor M12
Coding	A-coded
Execution	Cable plug/cable socket (angled or straight)
Pole image	4-PIN
Rated voltage	250 V
Rated impulse voltage	2.5 kV
Degree of soiling	3
Rated current in A	4 A
Insulation resistance	≥ 100 MΩ
Contact resistance	≤ 10 mΩ
Connection cross-section	Screw terminal contacts up to 1.5 mm <sup>2</sup> (AWG 16)
Cable connection	4 mm - 8 mm
Protection class	IP 67 according to IEC 60529
Mating cycles	> 100
Temperature range	-25°C to +85°C
Tightening torque Contact:	0.3 Nm
Tightening torque cable clamp:	0.6 Nm
Tightening torque for connector locking	0.3 Nm

**Materials/surface:**

Contacts	Copper alloy
Contact surface	Au (gold)
Contact body material	PA


**Standards:**

Product standard	DIN EN 61076-2-101
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**Authorisations:**

In preparation

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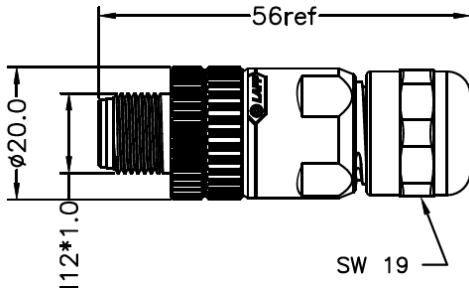
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### Technical drawings

#### Cable plug F6

Technical drawing

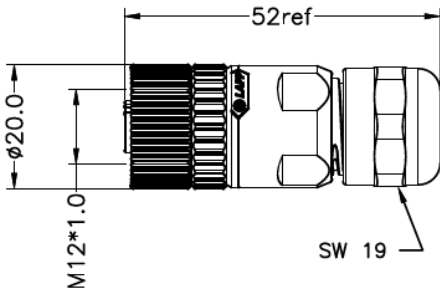
Pole image



#### Cable socket D6

Technical drawing

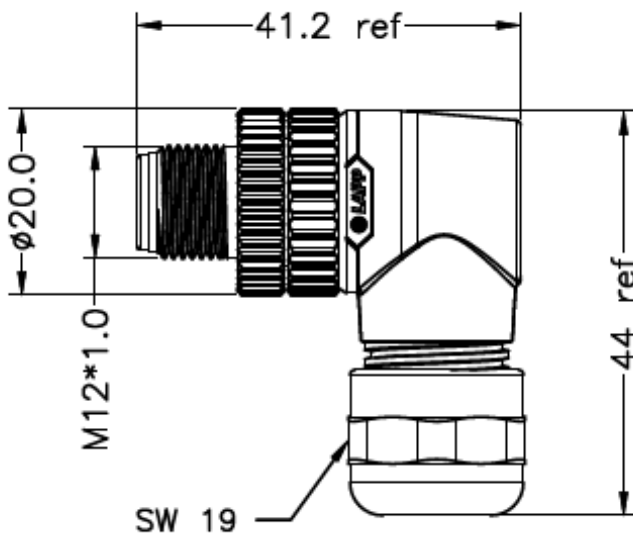
Pole image




#### Angled cable connector F1

Technical drawing

Pole image



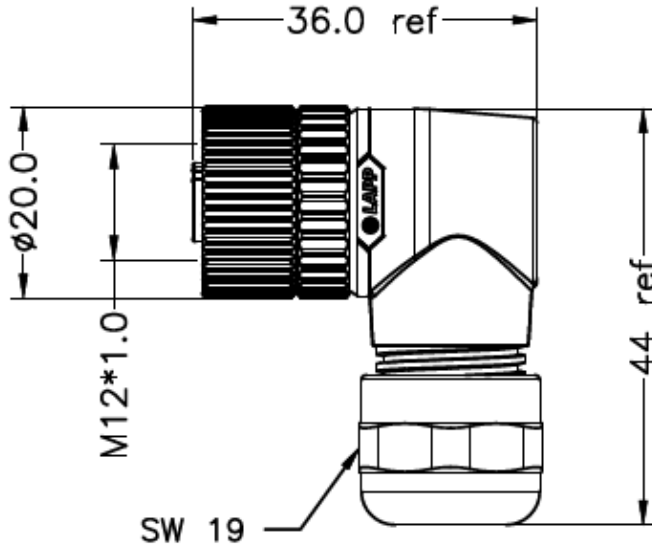
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### Angled cable socket D7

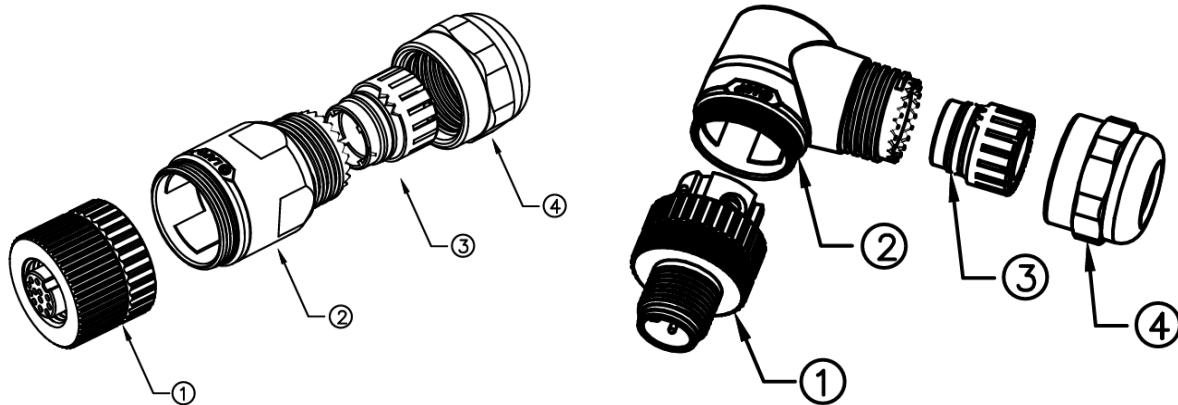
Technical drawing

Pole image



**Assembly:**

- Sheath length: 22 mm
- Stripping length: 5 mm
- 1 Insulator Tightening torque contacts: 0.3 Nm
- 2 housing Tightening torque to the insulator: 0.3 Nm
- 3 & 4 Cable clamping Tightening torque: 0.6 Nm



**Areas of application:**

Signal transmission for mechanical and plant engineering and servomotors

**Note:**

The photographs are not to scale and are not detailed images of the respective products. Further information can be found in the product standard.

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