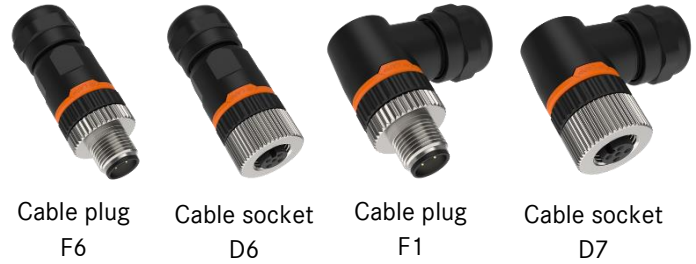


381166320	DATA SHEET	
Valid from: 28.06.2024	EPIC® SENSOR M12A 5-PIN SCREW	

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
381166320	Cable plug with male contacts (F6)	A-coded; 5 pole	4 mm - 8 mm
381166327	Cable socket with female contacts (D6)	A-coded; 5 pole	4 mm - 8 mm
381166335	Angled cable plug with male contacts (F1)	A-coded; 5 pole	4 mm - 8 mm
381166341	Angled cable socket with female contacts (D7)	A-coded; 5 pole	4 mm - 8 mm

General characteristic values:

Series	SENSOR M12
Coding	A-coded
Execution	Cable plug/cable socket (angled or straight)
Pole image	5-PIN
Rated voltage	60 V
Rated impulse voltage	1.5 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 ² (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
Cable clamp tightening torque	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:

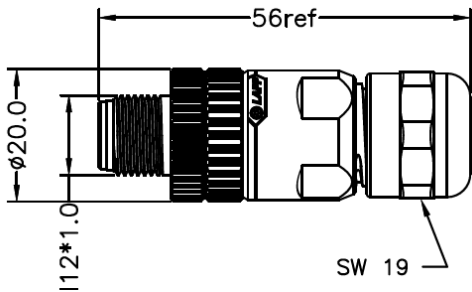
In preparation

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381166320	DATA SHEET	
Valid from: 28.06.2024	EPIC® SENSOR M12A 5-PIN SCREW	

Technical drawings

Technical drawing

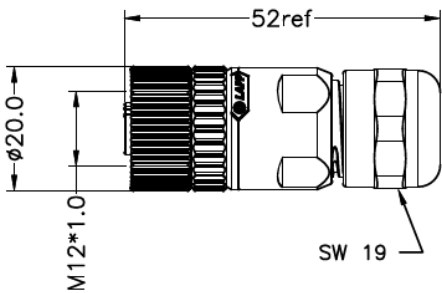


Cable plug F6

Pole image



Technical drawing

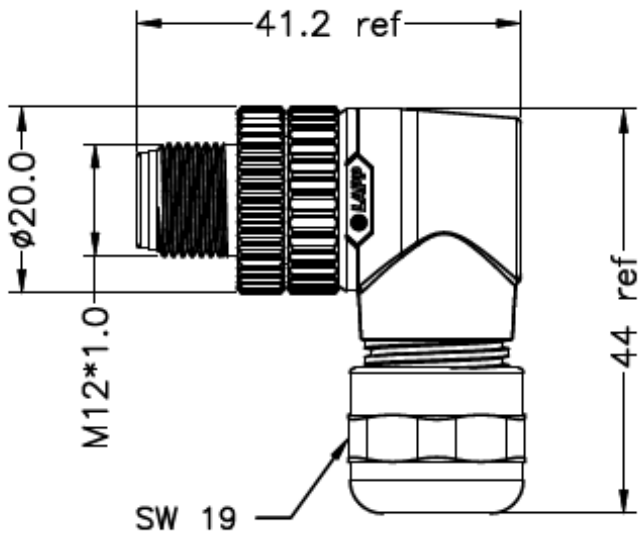


Cable socket D6

Pole image



Technical drawing



Angled cable connector F1

Pole image

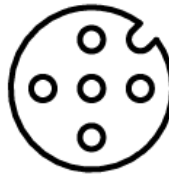
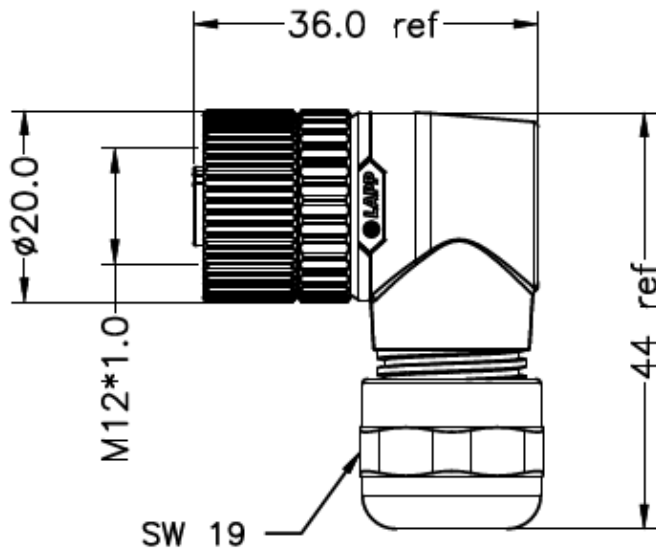


381166320	DATA SHEET	
Valid from: 28.06.2024	EPIC® SENSOR M12A 5-PIN SCREW	

Angled cable socket D7

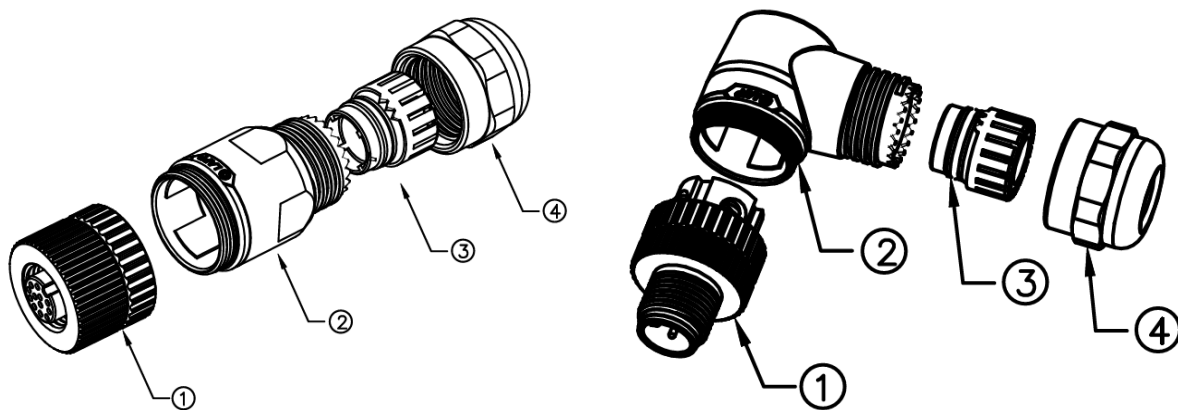
Technical drawing

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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