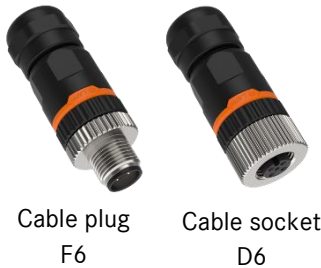


381166322	DATA SHEET	
Valid from: 07.07.2025	EPIC® SENSOR M12A 12-PIN SOLDERING	

Description:

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



Product variants:

Article number	Type	Pole image	Cable diameter
381166322	Cable plug with male contacts (F6)	A-coded; 12 pole	4 mm - 8 mm
381166329	Cable socket with female contacts (D6)	A-coded; 12 pole	4 mm - 8 mm

General characteristic values:

Series	Sensor M12
Coding	A-coded
Execution	Cable plug/cable socket (angled or straight)
Pole image	12-Pin
Rated voltage in V	30 V
Rated impulse voltage	0.8 kV
Degree of soiling	3
Rated current in A	2 A
Contact resistance	≤ 10 mΩ
Connection cross-section	Solder contacts up to 0.5 mm² (AWG 20)
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:	- Solder contacts
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:

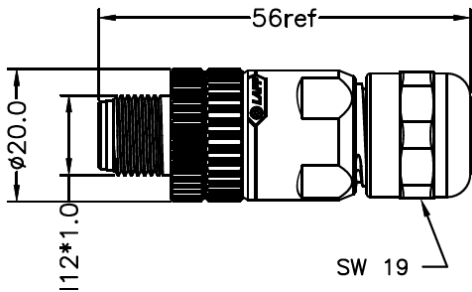
In preparation

Creator: JUKL2/BU EPIC Released: THBO1/BU EPIC	Document: DB381166322EN Version: 02	Page 1 from 2
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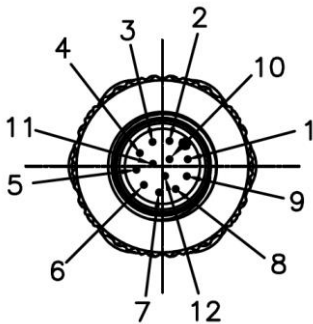
381166322	DATA SHEET	
Valid from: 07.07.2025	EPIC® SENSOR M12A 12-PIN SOLDERING	

Technical drawings

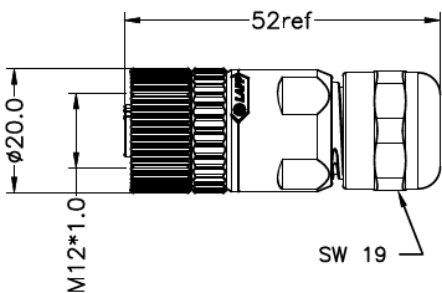
Technical drawing



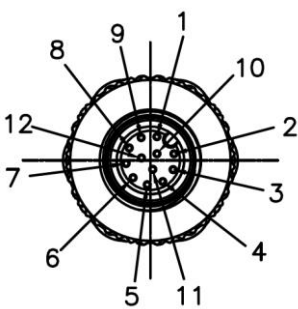
Pole image



Technical drawing

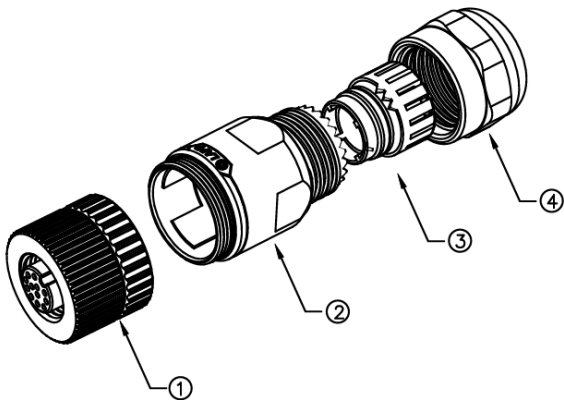


Pole image



Assembly:

Sheath length:	22 mm
Stripping length:	2 mm
1 Insulator with solder contacts	
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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