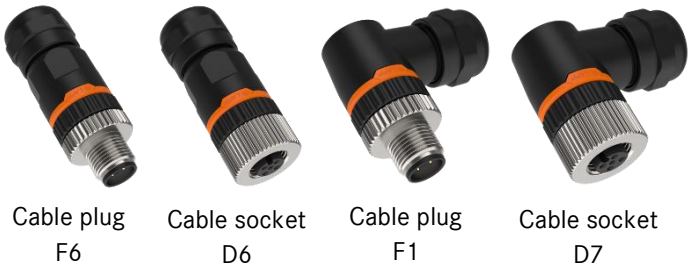


381166324	DATA SHEET	
Valid from: 13.05.2024	EPIC® DATA M12D 4-PIN SCREW	

Description:

- Circular connectors for signal and data 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
381166324	Cable plug with male contacts (F6)	D-coded; 4 pole	4 mm - 8 mm
381166331	Cable socket with female contacts (D6)	D-coded; 4 pole	4 mm - 8 mm
381166334	Angled cable plug with male contacts (F1)	D-coded; 4 pole	4 mm - 8 mm
381166340	Angled cable socket with female contacts (D7)	D-coded; 4 pole	4 mm - 8 mm

General characteristic values:

Series	Data M12
Coding	D-coded
Execution	Cable plug/cable socket (angled or straight) unshielded
Shield connection	without
Pole image	4-Pin
Rated voltage in V	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
Transmission property	Up to CAT 5e
Connection cross-section	Screw terminal contacts up to 1.5 mm² (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

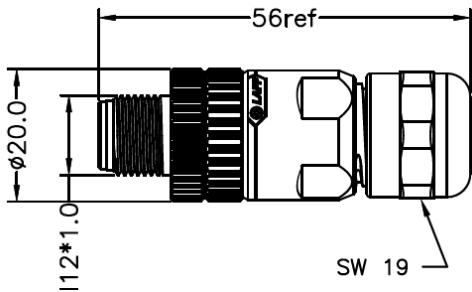
Creator: STKU3/BU EPIC Released: IVSE1/BU EPIC	Document: DB381166324EN Version: 01	Page 1 from 3
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381166324	DATA SHEET	
Valid from: 13.05.2024	EPIC® DATA M12D 4-PIN SCREW	

Technical drawings

Cable plug F6

Technical drawing

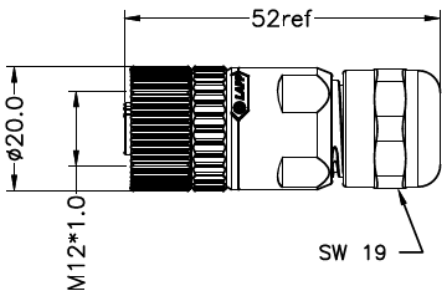


Pole image



Cable socket D6

Technical drawing

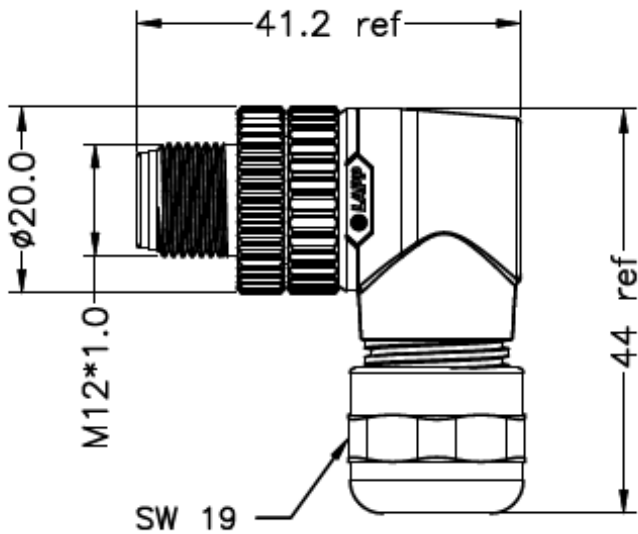


Pole image



Angled cable connector F1

Technical drawing



Pole image

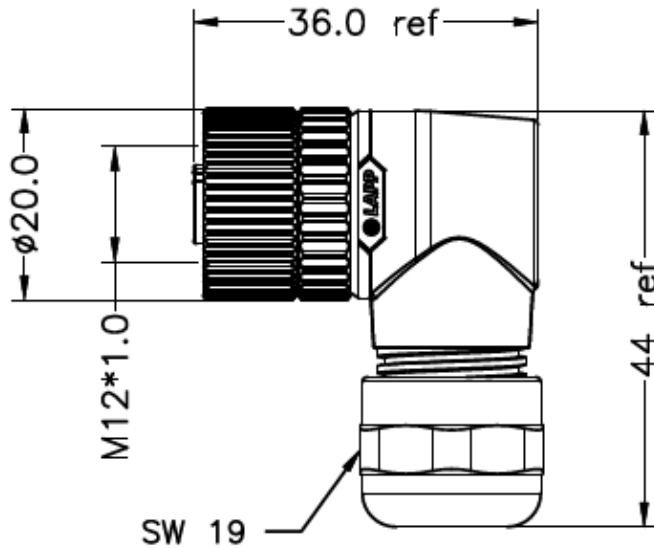


381166324	DATA SHEET	
Valid from: 13.05.2024	EPIC® DATA M12D 4-PIN SCREW	

Angled cable socket D7

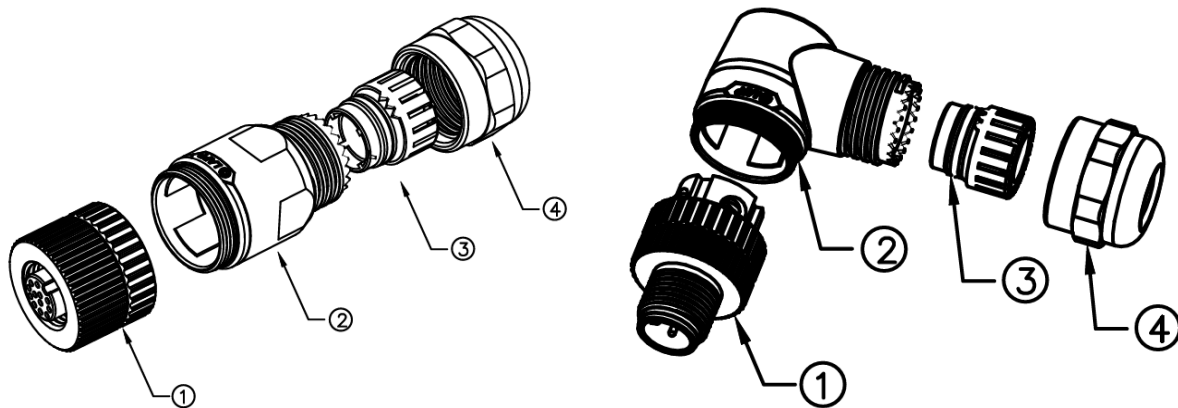
Technical drawing

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 and data transmission for mechanical and plant engineering as well as 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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