

381167617	DATA SHEET	
Valid from: 21.05.2025	EPIC® M12 EAM422-8/S	

Description:

- Circular connector for signal transmission
- Push-In contacts for easy conductor assembly
- High-quality gold-plated contacts



General characteristics:

Standards	IEC 61076-2-101
Series	Sensor M12
Coding	A-Coded
Type	cable plug, straight
shielded	no
Pole image	4
Rated Voltage	250 V
Rated impulse voltage	2,5 kV
Pollution degree	3
Rated current	4 A
Insulation resistance	≥ 100 MΩ
Contact resistance	≤ 5 mΩ
Conductor clamping technology	Push-In
Connection cross-section	0,14 mm² to 0,34 mm² (26 AWG to 22 AWG)
Cable clamp diameter	4 mm up to 8 mm
Protection class	IP 65 according to IEC 60529
Mating cycles	≥ 100
Temperature range	- 25°C bis + 85°C
Tightening torque cable clamp	0,8 Nm up to 1 Nm
Tightening torque Connector locking	0,4 Nm

Material / Surface:

Contacts	Brass, gold plated
Contact body	PVC, black
Inner overmolding	Epoxid resin
Sealing	FPM / FKM
Coupling nut	zinc diecast, nickel plated
Connector housing	PA66, black

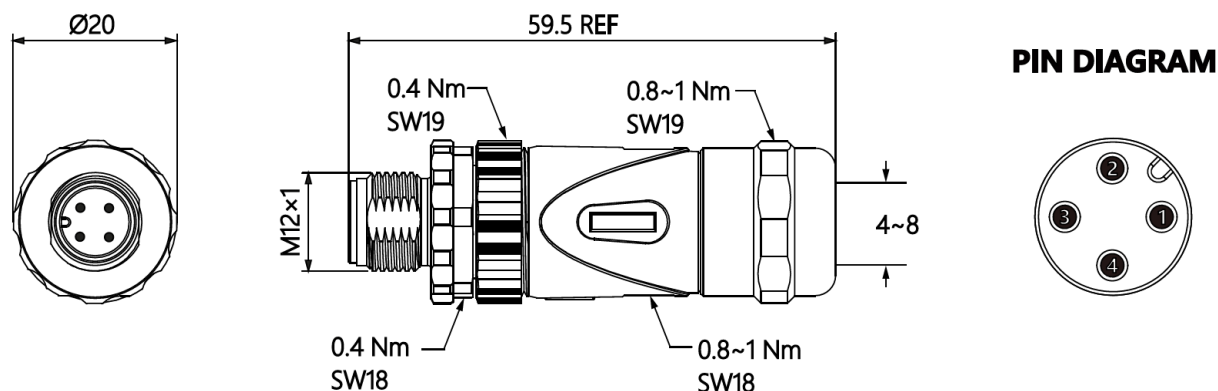
Approvals:

In preperation

Creator: JUKL2 / BU EPIC Released: THBO1 / BU EPIC	Document: DB381167617EN Version: 01	Page 1 of 2
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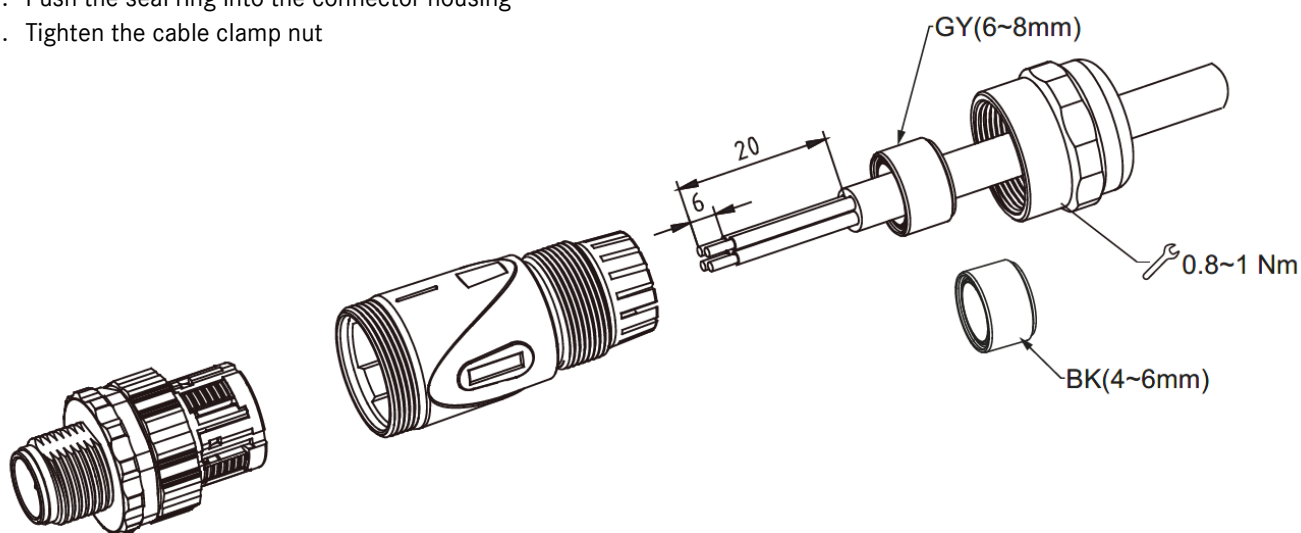
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Technical drawings:



Assembly instructions:

1. Strip off the jacket 20mm
2. Strip off wire insulation 5mm
3. Select the sealing ring according to the OD
4. Place the components as shown in the assembly drawing
5. Press down the push-in mechanism and insert the wires
6. Tighten the plug connection with the housing
7. Push the seal ring into the connector housing
8. Tighten the cable clamp nut



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.

Creator: JUKL2 / BU EPIC Released: THBO1 / BU EPIC	Document: DB381167617EN Version: 01	Page 2 of 2
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