


381167615	DATA SHEET	
Valid from: 21.05.2025	EPIC® M12 EDM428-8	

Description:

- Circular connector for signal and data transmission
- Screw clamp contacts for easy conductor assembly
- High-quality gold-plated contacts
- Metal housing for continuous shielding

Product variants:

Article no.	Article description	Type
381167615	EPIC® M12 EDM428-10	plug
381167616	EPIC® M12 EDF428-10	cable coupler



General characteristics:

Standards	IEC 61076-2-101
Series	Data M12
Coding	D-Coded
shielded	yes
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
Transmission property	up to CAT5e
Conductor clamping technology	screw clamp
Connection cross-section	0,25 mm² to 0,75 mm² (24 AWG to 18 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 Contact	0,4 Nm
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	zinc diecast, nickel plated

Approvals:

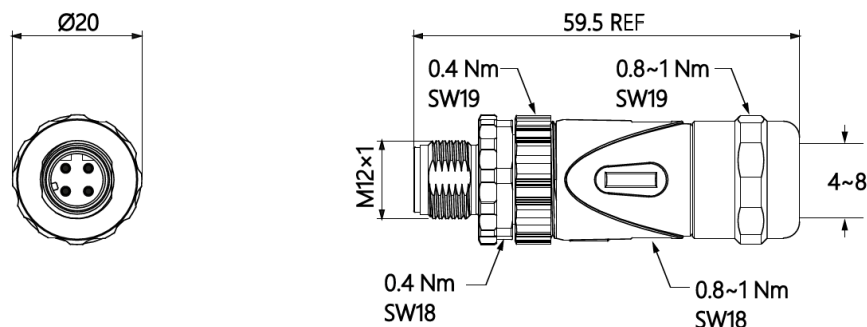
In preperation

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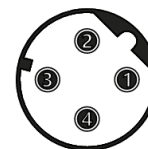
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Technical drawings:

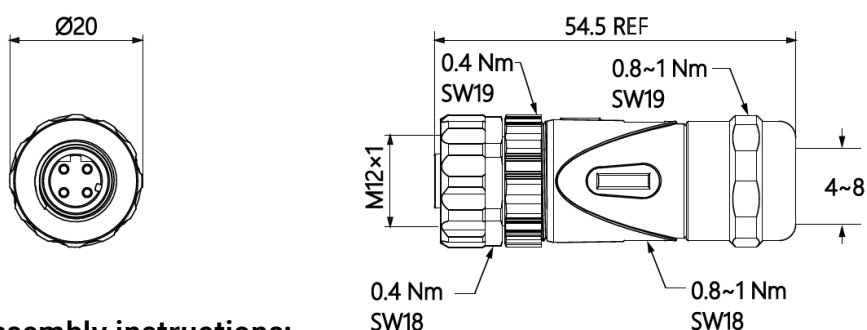
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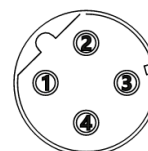
PIN DIAGRAM



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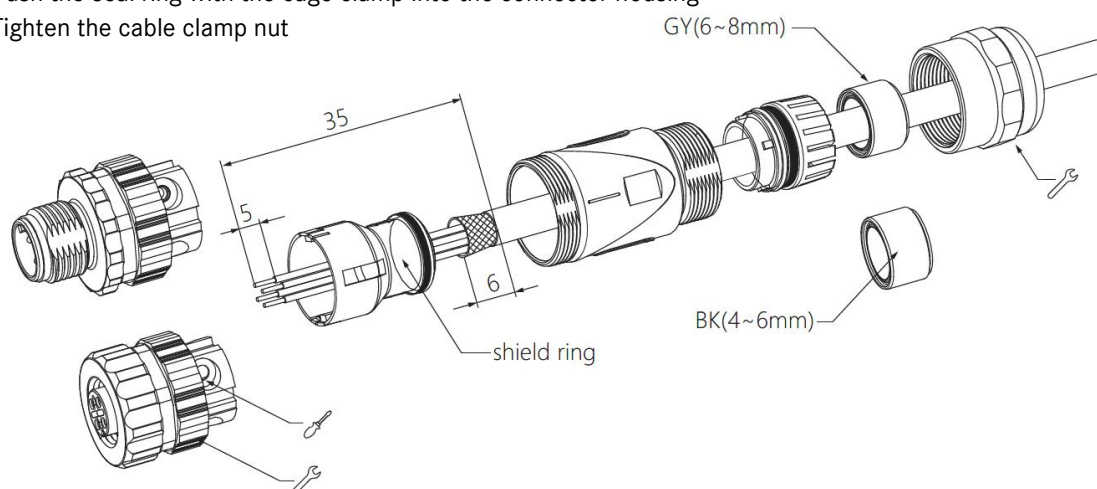


PIN DIAGRAM



Assembly instructions:

1. Strip off the jacket 35mm
2. Strip off wire insulation 5mm and cable shield 6mm
3. Select sealing ring according to OD
4. Place the parts as shown in the picture on the cable
5. Insert the wires into the screw holes and tighten the screw connections
6. Click the shield ring in place with the plug connection
7. Spread the cable shield
8. Press the plug connection and shield ring assembly into the housing with the shield layer covered on it
9. Tighten the plug connection with the connector housing
10. Push the seal ring with the cage clamp into the connector housing
11. 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.

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