

M8-D

Field-attachable, moulded
and panel mount connectors
818 Series



M8-D

Series	818
Contacts	4
Rated current	4 A
Rated voltage	63 VDC
Degree of protection	IP67 in mated condition
Contact plating	Au (gold)



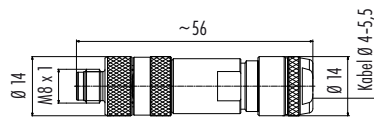
818 Series • Field-attachable, moulded and panel mount connectors

- M8-D acc. to IEC 61076-2-114
- Category CAT₅
- Suitable for PoE+
- Data transmission 100 MBit/s Ethernet
- Temperature range -25°C/+85°C (static)
- IP67 in mated condition
- Available from now

Description	Drawing	Contacts	Cable outlet	Ordering-No.
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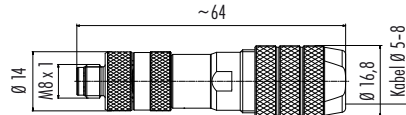
Male cable connector, iris type spring, screw clamp connection, shieldable, D-coding

4 4-5,5 mm 99 3369 100 04



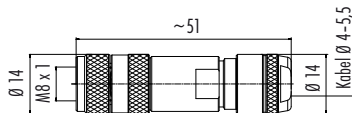
Male cable connector, iris type spring, screw clamp connection, shieldable, D-coding

4 5-8 mm 99 3369 600 04



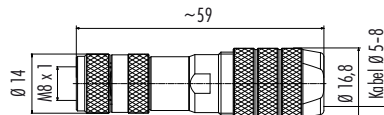
Female cable connector, iris type spring, screw clamp connection, shieldable, D-coding

4 4-5,5 mm 99 3368 100 04



Female cable connector, iris type spring, screw clamp connection, shieldable, D-coding

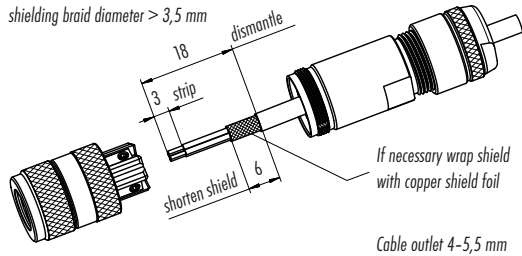
4 5-8 mm 99 3368 600 04



Assembly instruction

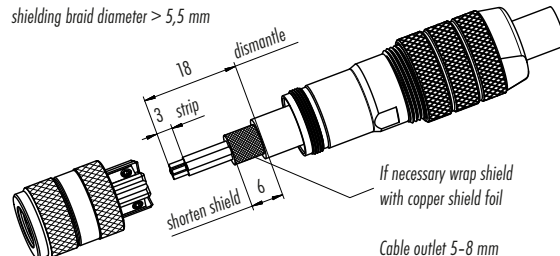
Cable outlet 4-5,5 mm

shielding braid diameter > 3,5 mm



Cable outlet 4-5,5 mm

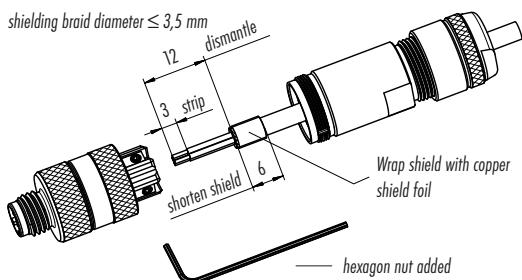
shielding braid diameter > 5,5 mm



Cable outlet 5-8 mm

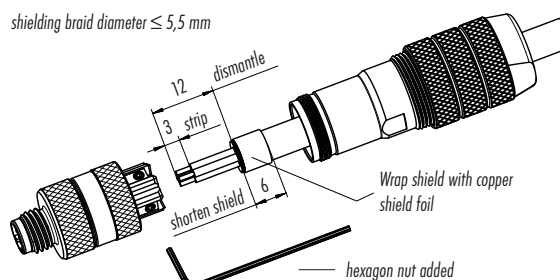
1. Bead housing to cable.
2. Strip cable, shorten shielding braid.
3. Connect single wires.
4. Screw housing to either male or female contact carrier and tighten pressing screw.

shielding braid diameter ≤ 3,5 mm



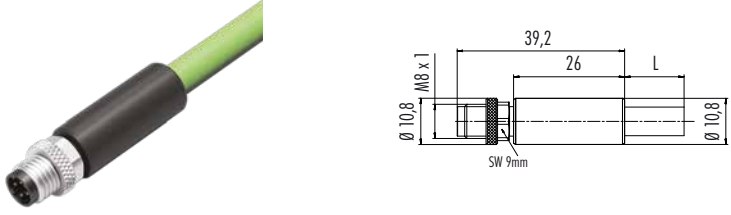
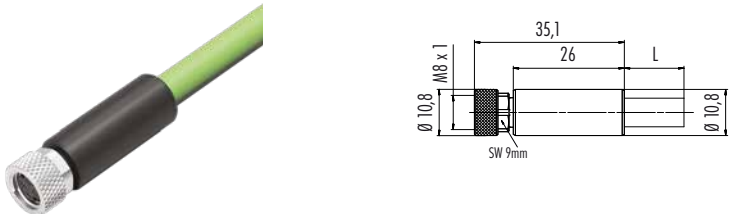
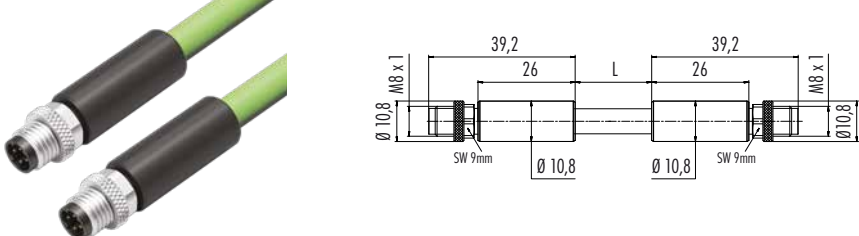
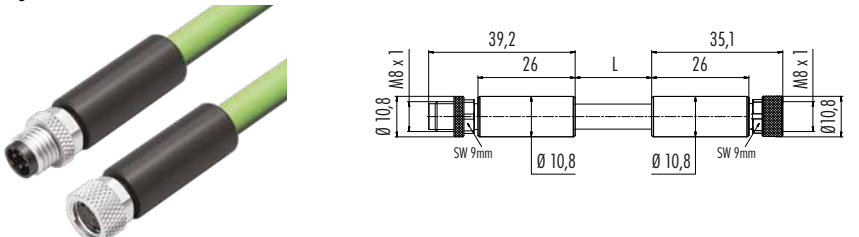
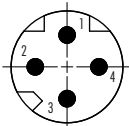
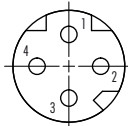
hexagon nut added

shielding braid diameter ≤ 5,5 mm

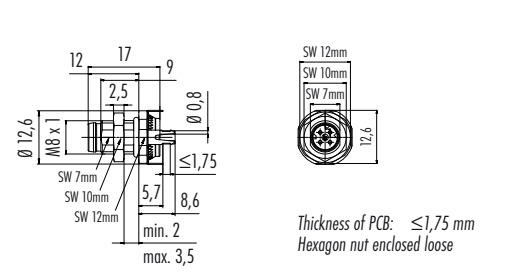
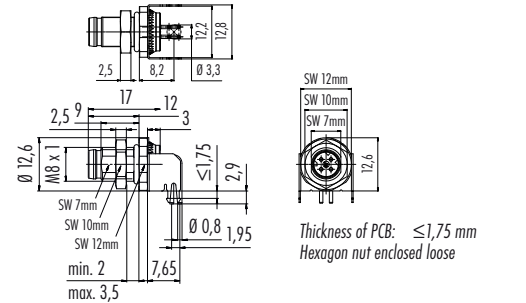
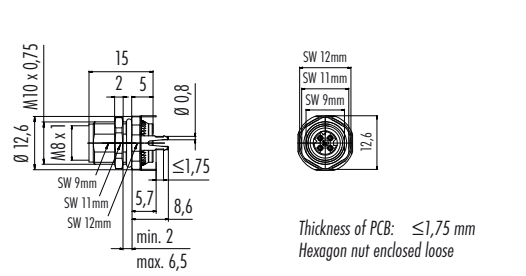
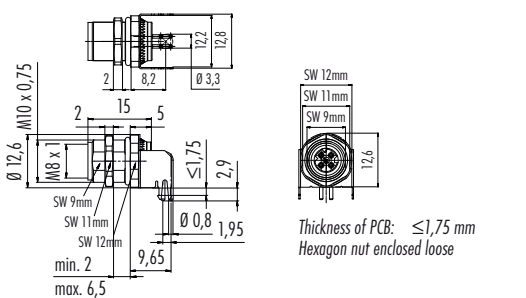


hexagon nut added

1. Bead housing to cable.
2. Strip cable, shorten shielding braid, place it over cable coating, wrap it approx. 1 1/2 times with copper shield foil and shorten foil.
3. Connect single wires.
4. Screw housing to either male or female contact carrier and tighten pressing screw.

Description	Drawing	Contacts	Cable length	Ordering-No.																												
Male cable connector, moulded, with Ethernet cable, D-coding		4	2 m 5 m	77 5429 0000 50004-0200 77 5429 0000 50004-0500																												
Female cable connector, moulded, with Ethernet cable, D-coding		4	2 m 5 m	77 5430 0000 50004-0200 77 5430 0000 50004-0500																												
Male cable connector M8 x 1 – male cable connector M8 x 1, D-coding		4	2 m	77 5429 5429 50004																												
Male cable connector M8 x 1 – female cable connector M8 x 1, D-coding		4	2 m	77 5430 5429 50004																												
Contact arrangements	<p>Male insert (mating side)</p>  <table border="1" data-bbox="590 1444 734 1568"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0,00</td> <td>1,65</td> </tr> <tr> <td>2</td> <td>-1,65</td> <td>0,00</td> </tr> <tr> <td>3</td> <td>0,00</td> <td>-1,65</td> </tr> <tr> <td>4</td> <td>1,65</td> <td>0,00</td> </tr> </tbody> </table> <p>1 yellow 2 white 3 orange 4 blue</p>		X	Y	1	0,00	1,65	2	-1,65	0,00	3	0,00	-1,65	4	1,65	0,00	<p>Female insert (mating side)</p>  <table border="1" data-bbox="1189 1444 1332 1568"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0,00</td> <td>1,65</td> </tr> <tr> <td>2</td> <td>1,65</td> <td>0,00</td> </tr> <tr> <td>3</td> <td>0,00</td> <td>-1,65</td> </tr> <tr> <td>4</td> <td>-1,65</td> <td>0,00</td> </tr> </tbody> </table> <p>1 yellow 2 white 3 orange 4 blue</p>		X	Y	1	0,00	1,65	2	1,65	0,00	3	0,00	-1,65	4	-1,65	0,00
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4	-1,65	0,00																														
Specifications	Ethernet cable	4																														
Contacts		4 x AWG 22																														
Wire gauge mm ² ¹⁾		PUR																														
Material jacket		Polyolefin																														
Insulation wire		7 x AWG 22																														
Design of wire (mm)		6,7																														
Cable jacket Ø (mm)		55 Ω/Km (20 °C)																														
Resistance of wire		- 20 °C / + 60 °C																														
Temperature range (cable in move)		- 40 °C / + 80 °C																														
Temperature range (cable not in move)		min. 15 x d																														
Bending radius (cable in move)		min. 5 x d																														
Bending radius (cable not in move)		2 Mio.																														
Bending cycles (at 10 x D)		2 m/s ²																														
Permitted acceleration		5 m																														
Traverse path horizontal 5 m/s ²		5 m																														
Traverse path vertical 5 m/s ²		At 5 m horizontal traverse up to 200 m/min.																														
Traverse speed		—																														
Remark		PROFINET, UL/CSA																														
Approval		AWM 20236																														
UL-style																																



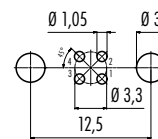
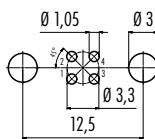
Description	Drawing	Contacts	Ordering-No.
Male panel mount connector, front fastened, dip solder, with shielding sheet, D-coding		4	86 6321 1120 00404
Male angled panel mount connector, front fastened, dip solder, with shielding sheet, D-coding		4	86 6321 1121 00404
Female panel mount connector, front fastened, dip solder, with shielding sheet, D-coding		4	86 6620 1120 00404
Female angled panel mount connector, front fastened, dip solder, with shielding sheet, D-coding		4	86 6620 1121 00404

Drilling schemes

Male insert (PCB), shielding sheet

Female insert (PCB), shielding sheet

4 contacts

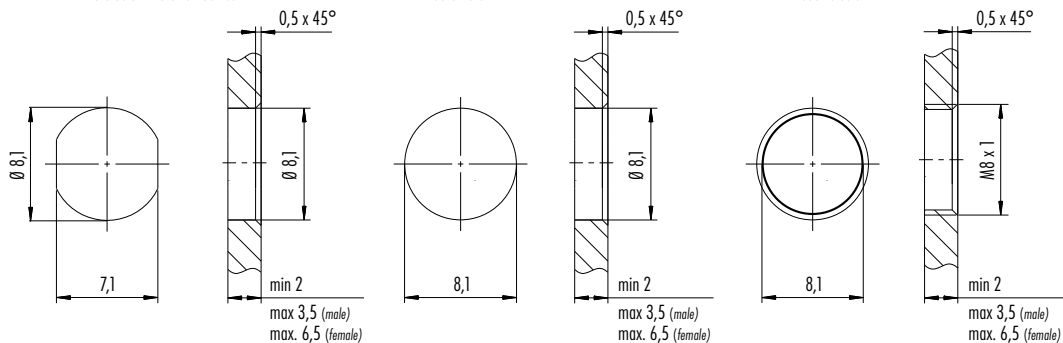


Panel cut out

With flats as anti-rotation device

With bore hole

With thread to screw in



Tightening moment

Metal housing	1 Nm
Plastic housing	1 Nm

