

Technical Details

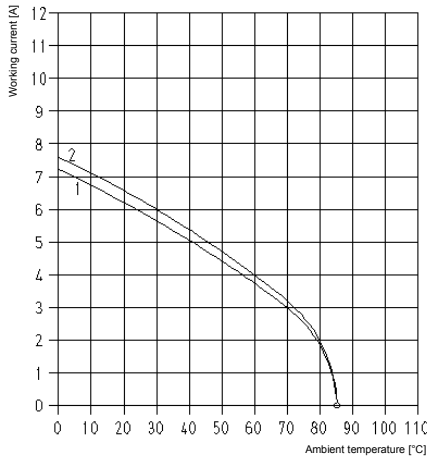
	HARAX® M8-S/M12-S	HARAX® M12-L	HARAX® M12-L screend version	
			Ethernet	Profibus
Rated voltage	32 V	50 V	32 V	32 V
Rated current	4 A see Derating	6 A	4 A	4 A
Conductor cross section	0.14 - 0.34 mm ² AWG 26 - 22	0.34 - 0.75 mm ² AWG 22 - 18	0.25 - 0.34 mm ² AWG 24 - 22	0.25 - 0.34 mm ² AWG 24 - 22
Diameter of individual strand	≥ 0.1 mm	≥ 0.1 mm	≥ 0.1 mm	≥ 0.1 mm
Conductor insulation material	PVC	PVC	PVC	PVC
Conductor diameter	M8-S: 1.0 - 1.7 mm M12-S: 1.2 - 1.6 mm	1.6 - 2.0 mm	1.2 - 1.6 mm	1.2 - 2.6 mm
Cable diameter	M8-S: 3,2 - 5,4 mm M12-S: 4,0 - 5,1 mm	5.5 - 8 mm	5.5 - 7.2 mm	7 - 8.8 mm
Working temperature	-25°C ... +85°C	-25°C ... +85°C	-25°C ... +85°C	-25°C ... +85°C
Temp. during connection*	-5°C ... +50°C	-5°C ... +50°C	-5°C ... +50°C	-5°C ... +50°C
Degree of protection	IP 67	IP 67	IP 67	IP 67
Number of terminations with same cable cross section	10	10	10	10
Transmission characteristics acc.	-	-	to DIN EN 50 173 (10, 2001)	-

* Please respect the manufacturer's recommendations.

Derating Diagram acc. to IEC 512-3

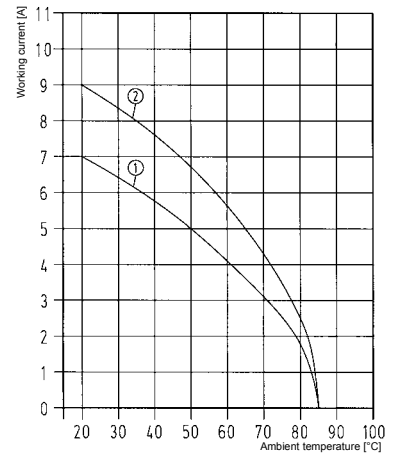
M12-S, 4 poles
M8-S, 4 poles

- 1 = wire gauge
4 x 0.25 mm²
- 2 = wire gauge
4 x 0.34 mm²



M12-L, 4 poles
M12-L, screened version

- 1 = wire gauge
4 x 0.34 mm²
- 2 = wire gauge
4 x 0.75 mm²





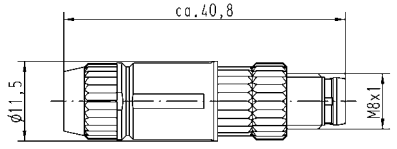
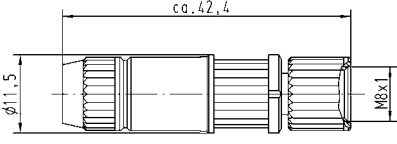
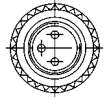



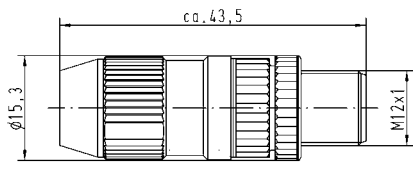
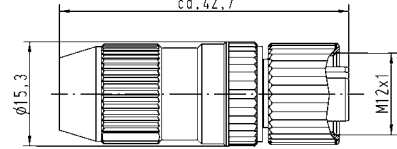
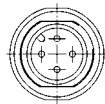


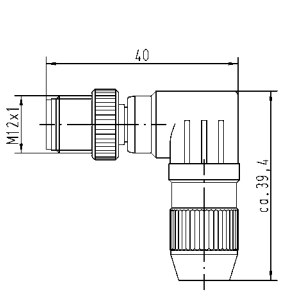

Assembly manual HARAX®

1. 1. strip cable
 2. 2. assemble HARAX® elements
 3. 3. cut off cable ends
 4. 4. screw the connector
- Screw the nut onto the insert until a stop is noticeable.

Note! For reconnection cut off the used cable ends and repeat steps 1 to 4.

Assembly manual HARAX® screened version

1. 1. strip cable
2. 2. assemble HARAX® elements
twist screening braid and push it into the sealing slot
3. 3. Slide ring over the sealing
cut off cable ends and the screening braid
4. 4. screw the connector

Identification	Part Number		Drawing	Dimensions in mm
	Male	Female		
<p>HARAX® M8-S</p> <p>straight version, 3 poles straight version, 4 poles</p>  <p>straight version, 3 poles straight version, 4 poles</p> 	<p>21 02 151 1305 21 02 151 1405</p>	<p>21 02 151 2305 21 02 151 2405</p>	  <p>View mating side: 3-pin, male version</p>  <p>View mating side: 4-pin, male version</p> 	
<p>HARAX® M12-S</p> <p>straight version, 4 poles</p>  	<p>21 03 111 1405</p>	<p>21 03 111 2405</p>	  <p>View mating side: 4-pin, male version</p> 	
<p>HARAX® M12</p> <p>90° angled version, 3 poles 90° angled version, 4 poles</p>  <p>90° angled version, 3 poles 90° angled version, 4 poles</p> 	<p>21 01 130 5081 21 01 140 5081</p>	<p>21 01 130 5091 21 01 140 5091</p>	  <p>View mating side: 4-pin, male version</p> 