

Specifications IEC 60 352-4
IEC 60 068-2-52:1996, severity level 4



Technical characteristics M12 INOX

Type M12 INOX V4A	HARAX® M12-L 4 poles	M12 Crimp
-------------------	-------------------------	-----------

General data

Conductor cross section	0.34 - 0.75 mm ² AWG 22 - 18	0.14 - 0.75 mm ² AWG 26 - 18
Diameter of individual strands	≥ 0.1 mm	X
Conductor insulation material	PVC	X
Conductor diameter	1.6 - 2.0 mm 2.0 - 2.6 mm	2.0 - 2.3 mm
Cable diameter	6 - 8 mm	4.5 - 8.8 mm
Temperature range	-40 °C ... +85 °C	-40 °C ... +85 °C
Temperature during connection	-5 °C ... +50 °C	-5 °C ... +50 °C
Degree of protection	IP65 / IP67	IP67
Mating cycles	100	500
Tightening torque connector / hexagonal wrench	0.6 Nm / SW 17	0.6 Nm / SW 17

Electrical characteristics

Rated current	6 A	4 A
Rated voltage	50 V	250 V
Rated impulse voltage	1.5 kV	1.5 kV
Contact resistance	10 mΩ	10 mΩ
Insulation resistance	10 ⁸ Ω	10 ⁸ Ω
Pollution degree	3	3
Overvoltage category	3	3
Isolation group	1	1

Materials

Contact material	Brass	Brass
Contact plating	Gold	Gold
Contact carrier material	PA unreinforced	PA
Housing material	V4A	V4A

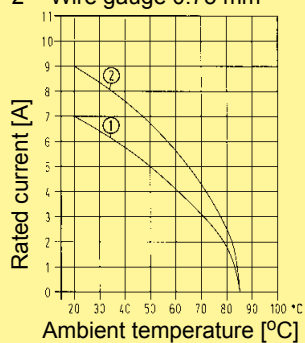
Technical characteristics M12 INOX

Current carrying capacity The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

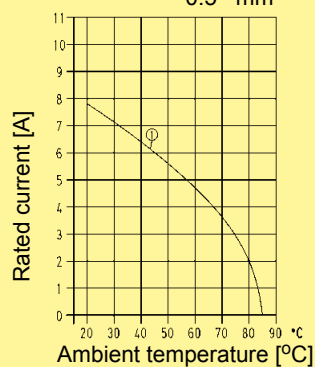
Control and test procedures according to DIN IEC 60 512-5.

M12-L
4 poles

1 = Wire gauge 0.34 mm²
2 = Wire gauge 0.75 mm²

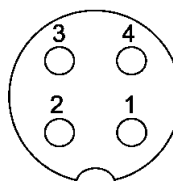


M12, Crimp 1 = Wire gauge 0.34 mm² /
0.5 mm²

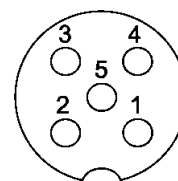




Mating faces



A-coding
4 poles
Mating faces acc. to IEC 61076-2-101



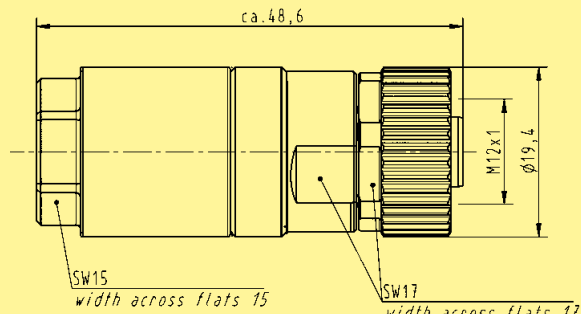
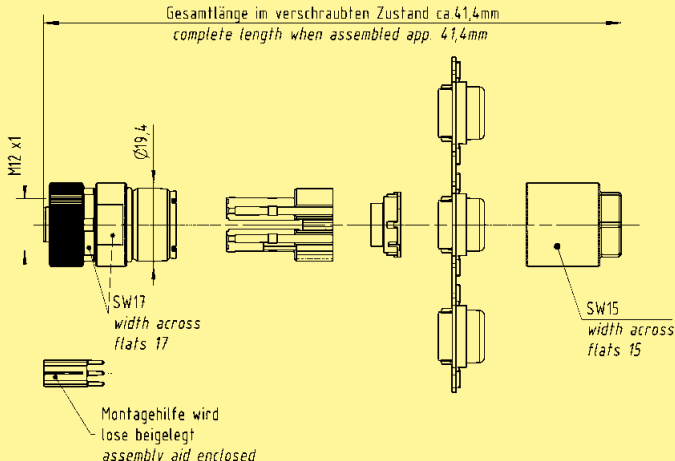
A-coding
5 poles



Applications / Advantages

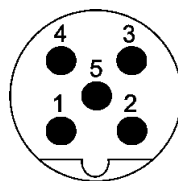
- Designed for rough outdoor applications in harsh environments
- Material V4A
- Available with crimp resp. **HARAX®** rapid termination
- Extreme robust design, quick assembly

07

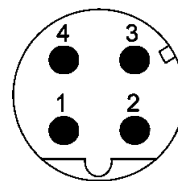
Identification	Part No.	Drawing	Dimensions in mm
HARAX® M12-L INOX  Female, A-coding, straight version 4 poles	21 03 222 2435		
M12-L Crimp INOX  Female, A-coding, straight version 5 poles	21 03 822 2535		



Mating faces



B-coding



D-coding

Mating faces acc. to IEC 61076-2-101



Identification

Part No.

Drawing

Dimensions in mm

M12-L Crimp INOX



Male, B-coding,
straight version
5 poles

21 03 841 1535



Male, D-coding,
straight version
4 poles

21 03 882 1435

