# M12 INOX

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

RoHS

## Technical characteristics M12 INOX

| **Type M12 INOX V4A** | ***HARAX*® M12-L**<br>**4 poles** | **M12 Crimp** |
|---|---|---|

**General data**

| | | |
|---|---|---|
| Conductor cross section | 0.34 - 0.75 mm²<br>AWG 22 - 18 | 0.14 - 0.75 mm²<br>AWG 26 - 18 |
| Diameter of individual strands | ≥ 0.1 mm | X |
| Conductor insulation material | PVC | X |
| Conductor diameter | 1.6 - 2.0 mm<br>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 |

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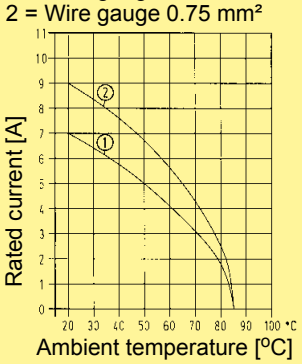
## Current carrying capacity

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 interruptet 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.

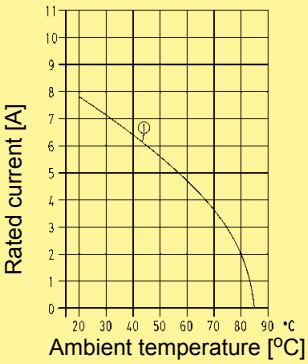
### M12-L 4 poles

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




### M12, Crimp

1 = Wire gauge 0.34 mm² / 0.5 mm²

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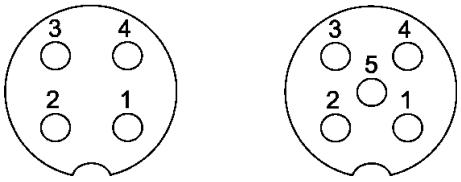
# M12 INOX

Mating faces




A-coding
4 poles

A-coding
5 poles

Mating faces acc. to IEC 61076-2-101

RoHS

## Applications / Advantages

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

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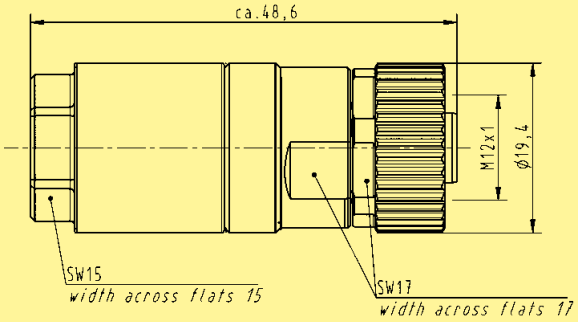
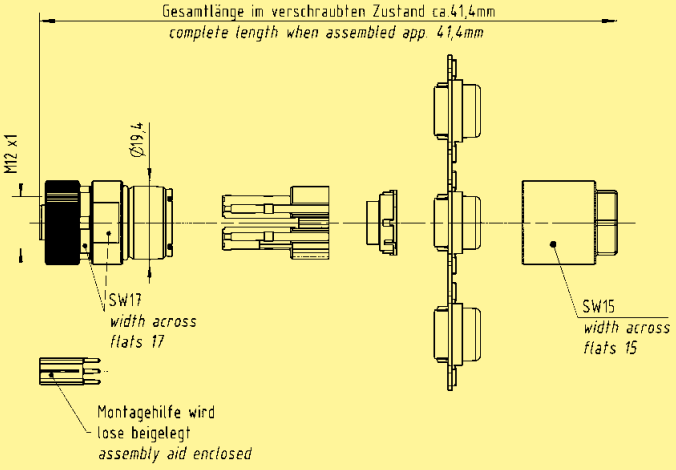
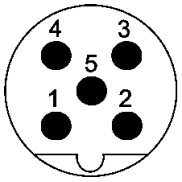
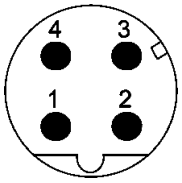
| Identification | Part No. | Drawing | Dimensions in mm |
|---|---|---|---|
| *HARAX*® M12-L INOX<br>  <br>Female, A-coding,<br>straight version<br>4 poles | 21 03 222 2435 |  | |
| M12-L Crimp INOX<br>  <br>Female, A-coding,<br>straight version<br>5 poles | 21 03 822 2535 |  | |

# M12 INOX

Mating faces



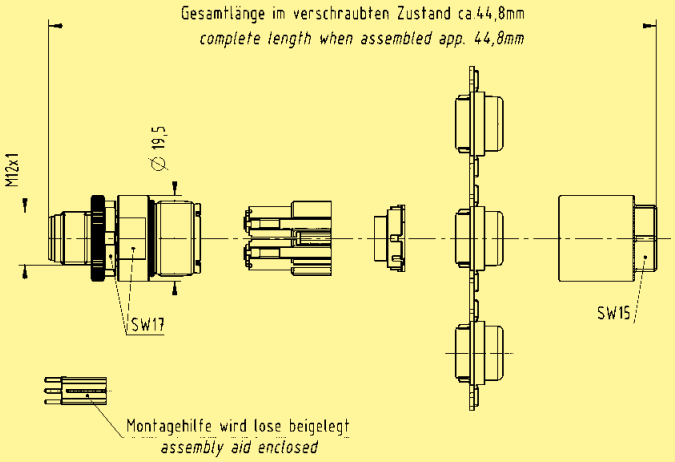
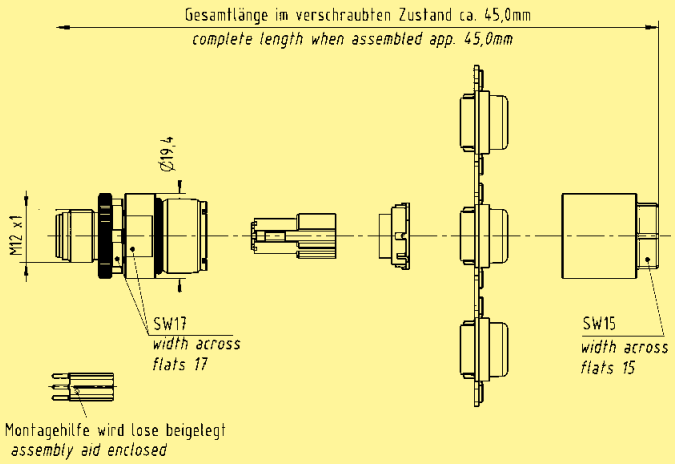

B-coding




D-coding

Mating faces acc. to IEC 61076-2-101

RoHS

| Identification | Part No. | Drawing | Dimensions in mm |
|---|---|---|---|
| M12-L Crimp INOX<br>  <br>Male, B-coding,<br>straight version<br>5 poles | 21 03 841 1535 |  | |
|  <br>Male, D-coding,<br>straight version<br>4 poles | 21 03 882 1435 |  | |

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