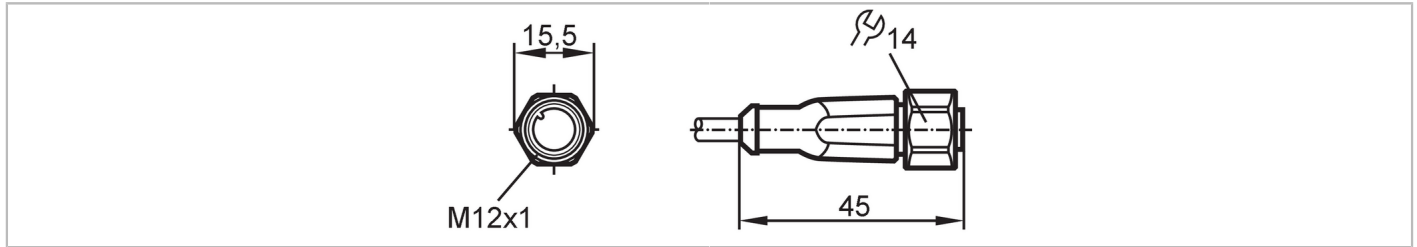


# EVM014



## Female cordset

ADOGH040VAS0025H04



| Application   |  |  |
|---|--|--|
| Special feature   | Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability |  |
| Application   | applications in particularly harsh environments; for mobile applications       |  |
| Free from silicone  | yes  |  |
| Electrical data   |  |  |
| Operating voltage [V]   | < 250 AC / < 300 DC  |  |
| Protection class  | II   |  |
| Max. current load total [A]                                     | 4  |  |
| Operating conditions  |  |  |
| Ambient temperature [°C]  | -40...90   |  |
| Note on ambient temperature                                     | cULus: ...75   |  |
| Ambient temperature (moving) [°C]                               | -25...90   |  |
| Note on ambient temperature (moving)                            | cULus: ...75   |  |
| Storage temperature [°C]  | -25...55   |  |
| Storage humidity [%]  | 10...100   |  |
| Other climatic conditions for storage according to stated class | 1K22/ DIN 60721-3-1  |  |
| Protection  | IP 65; IP 67; IP 68; IP 69K  |  |
| Tests / approvals   |  |  |
| Vibration resistance  | EN 60068-2-6 Fc  | 20 g (10...3000 Hz) / -20 °C / 50 °C<br>50 sweep cycles per frequency; 1 octave per minute in 3 axes     |
| Shock resistance  | EN 60068-2-27 Ea   | 100 g 11 ms half-sine; 6 shocks each in every direction along the three coordinate axes / -40 °C / 85 °C |
| Continuous shock resistance                                     | EN 60068-2-29 Eb   | 40 g 6 ms; 4000 shocks each in every direction of the 3 coordinate axes / -20 °C / 50 °C                 |
| Fast temperature changes  | EN 60068-2-14 Na   | TA = -40°C; TB = 85°C; t1 = 30 min; t2 = < 10 s 50 cycles  |
| Salt spray test   | EN 60068-2-52 Kb   | severity level 5 (4 test cycles)   |
| Mechanical data   |  |  |
| Weight [g]  | 807.5  |  |
| Dimensions [mm]   | 15.5 x 15.5 x 45   |  |
| Molded-body material  | TPU (urethane)   |  |
| Material nut  | stainless steel (1.4404 / 316L)  |  |

# EVM014



## Female cordset

ADOGH040VAS0025H04

|                        |  |
|------------------------|--|
| Sealing material       | FKM  |
| Drag chain suitability | yes  |
| Drag chain suitability | Bending radius for flexible applications   |
|                        | min. 10 x cable diameter   |
|                        | Travel speed   |
|                        | max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s <sup>2</sup> |
|                        | Bending cycles   |
|                        | > 5 Mio.   |
|                        | Torsional strain   |
|                        | ± 180 °/m  |

### Remarks

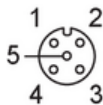
Pack quantity 1 pcs.

### Electrical connection

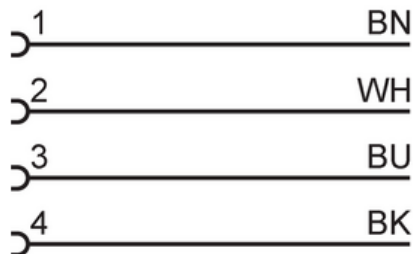
Cable: 25 m, PUR, Halogen-free, black, Ø 4.9 mm; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Electrical connection - Socket

Connector: 1 x M12, straight; coding: A; Contacts: 4, gold-plated; Moulded body: TPU (urethane), orange; Locking: stainless steel (1.4404 / 316L); sealing: FKM; Tightening torque: 0.6...1.5 Nm



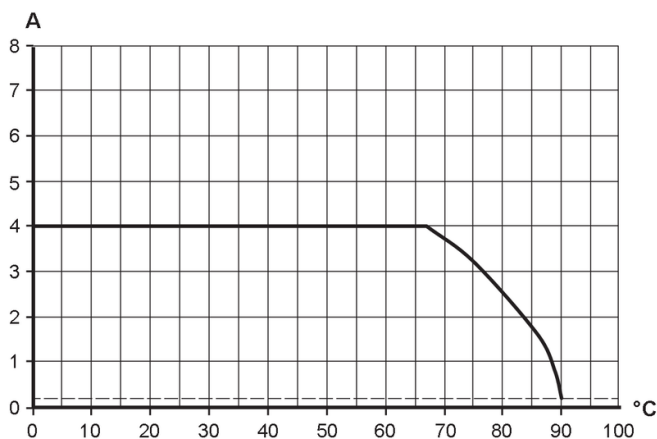
### Connection



Core colors :  
 BK = black  
 BN = brown  
 BU = blue  
 WH = white

### Diagrams and graphs

Characteristic curve for derating



Derating I<sub>max</sub> \* 0.8 (DIN EN 60512-5-2)

X Ambient temperature [°C]

Y Current [A]