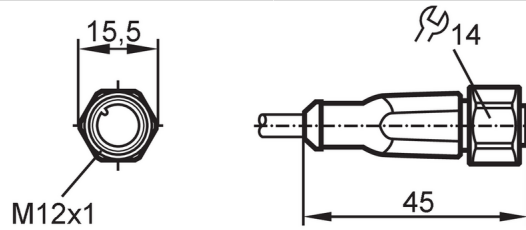




## Female cordset

ADOGH040VAS0015H04



## 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]           | 493.5                           |
| Dimensions [mm]      | 15.5 x 15.5 x 45                |
| Molded-body material | TPU (urethane)                  |
| Material nut         | stainless steel (1.4404 / 316L) |



Female cordset

ADOGH040VAS0015H04

|                        |                                          |                                                                                    |
|------------------------|------------------------------------------|------------------------------------------------------------------------------------|
| 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/s² |
|                        | Bending cycles                           | > 5 Mio.                                                                           |
|                        | Torsional strain                         | ± 180 °/m                                                                          |

Remarks

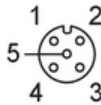
|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

Electrical connection

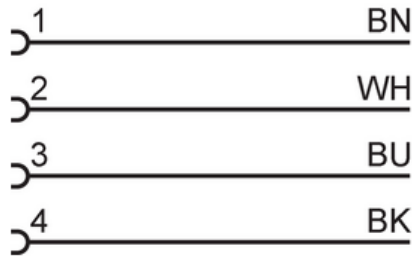
Cable: 15 m, PUR, Halogen-free, black, Ø 4.9 mm; 4 x 0.34 mm² (42 x Ø 0.1 mm )

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



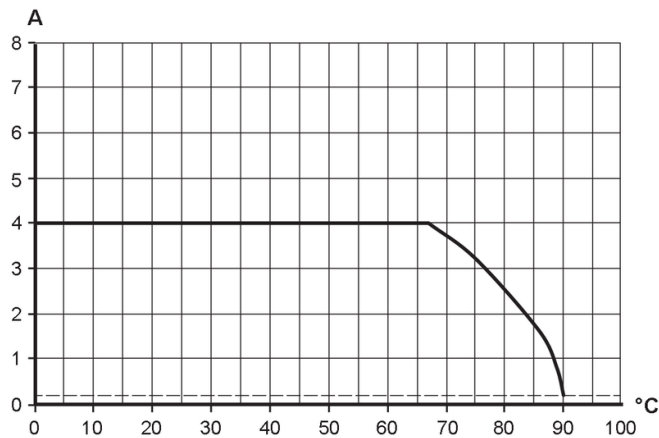
Connection



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]