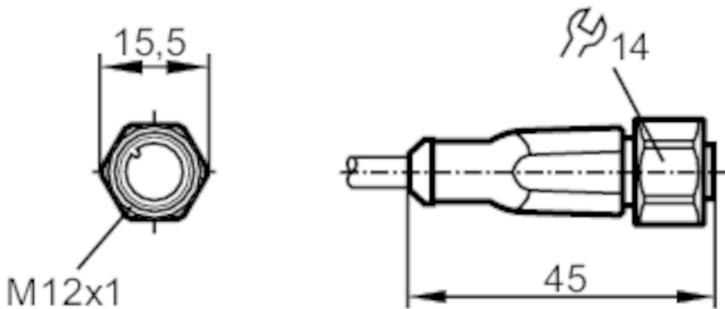




Connecting cable with socket

ADOGH040VAS00,4H04



| Application                                                     |                                                                                |                                                 |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------|
| Special feature                                                 | Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability |                                                 |
| Application                                                     | applications in particularly harsh environments                                |                                                 |
| 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            |
|                                                                 |                                                                                | 50 sweep cycles, 1 octave per minute, in 3 axes |



## Connecting cable with socket

ADOGH040VAS00,4H04

|                             |                  |                                                                                                          |
|-----------------------------|------------------|----------------------------------------------------------------------------------------------------------|
| 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 change     | 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]                             | 32.9                                                                                           |
| Dimensions             | [mm]                            | 15.5 x 15.5 x 45                                                                               |
| Materials              |                                 | housing: TPU orange; Sealing: FKM                                                              |
| Material nut           |                                 | stainless steel (1.4404 / 316L)                                                                |
| Drag chain suitability |                                 | yes                                                                                            |
| Drag chain suitability | bending radius for flexible use | 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

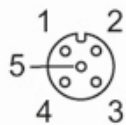
|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

## Electrical connection

Cable: 0.4 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; Locking: stainless steel (1.4404 / 316L); Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm

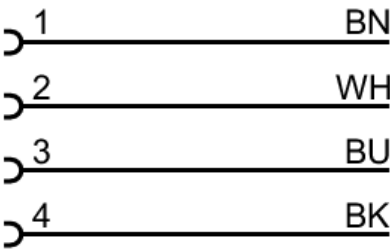




Connecting cable with socket

ADOGH040VAS00,4H04

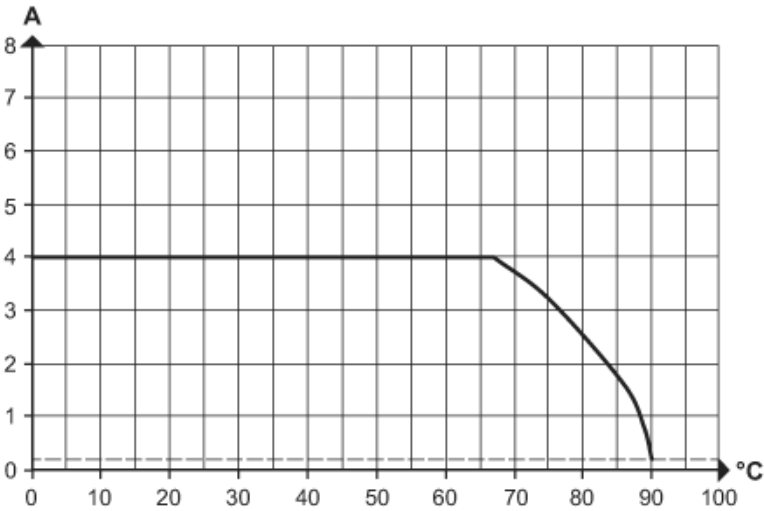
Connection



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

Diagrams and graphs

characteristic line for derating



Derating  $I_{max} \cdot 0.8$  (DIN EN 60512-5-2)

X Ambient temperature [°C]  
Y Current [A]