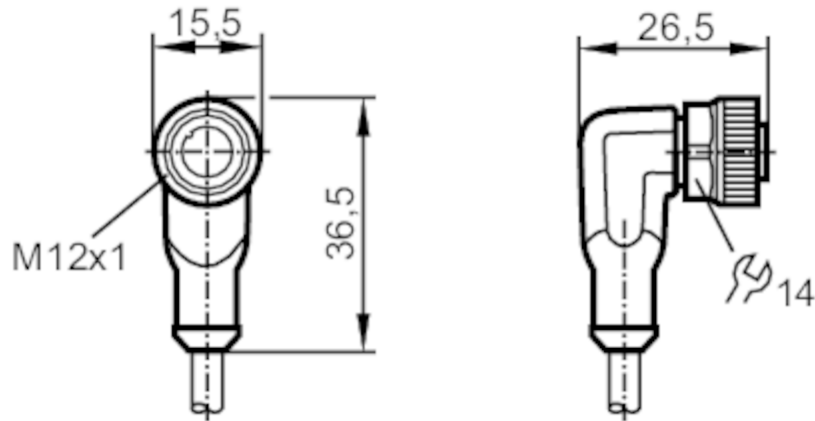


## Connecting cable with socket

ADOAH040MSS0010K04



### Application

|                    |                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------|
| Special feature    | Free from silicone; Halogen-free; Gold-plated contacts; Screened cable; Drag chain suitability |
| Application        | Industrial applications / factory automation; Use in machine tools, coolants and lubricants    |
| Free from silicone | yes                                                                                            |

### Electrical data

|                             |                   |
|-----------------------------|-------------------|
| Operating voltage [V]       | < 50 AC / < 60 DC |
| Protection class            | III               |
| Max. current load total [A] | 4                 |

### Operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature [°C]             | -25...90     |
| Note on ambient temperature          | cULus: ...75 |
| Ambient temperature (moving) [°C]    | -25...90     |
| Note on ambient temperature (moving) | cULus: ...75 |
| Protection                           | IP 65; IP 67 |

### Mechanical data

|                        |                      |
|------------------------|----------------------|
| Weight [g]             | 406.5                |
| Dimensions [mm]        | 26.5 x 15.5 x 36.5   |
| Moulded-body material  | TPU                  |
| Material nut           | brass, nickel-plated |
| Sealing material       | FKM                  |
| Drag chain suitability | yes                  |



## Connecting cable with socket

ADOAH040MSS0010K04

|                        |                                 |                                                                                                |
|------------------------|---------------------------------|------------------------------------------------------------------------------------------------|
| 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                  | ≥ 2 Mio.                                                                                       |
|                        | torsional strain                | ± 180 °/m                                                                                      |

### Remarks

Pack quantity

1 pcs.

### Electrical connection

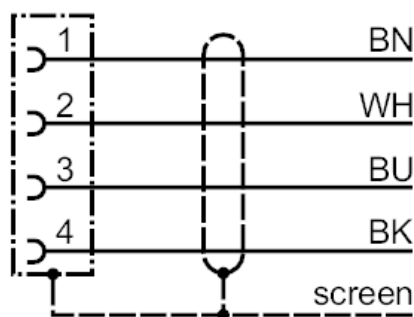
Cable: 10 m, PUR, Halogen-free, black, Ø 4.9 mm, shielded; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Electrical connection - socket

Connector: 1 x M12, angled; coding: A; Moulded body: TPU, orange; Locking: brass, nickel-plated; Sealing: FKM; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen connected



### Connection



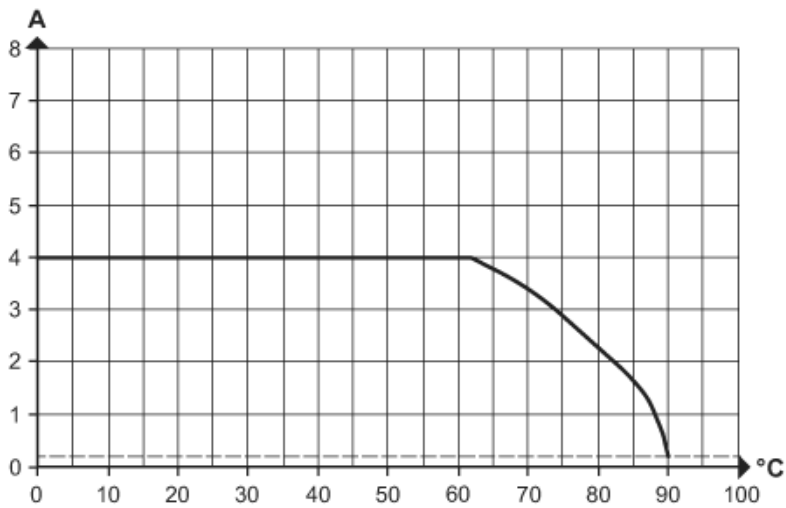
Core colours :  
 BK = black  
 BN = brown  
 BU = blue  
 WH = white



Connecting cable with socket

ADOAH040MSS0010K04

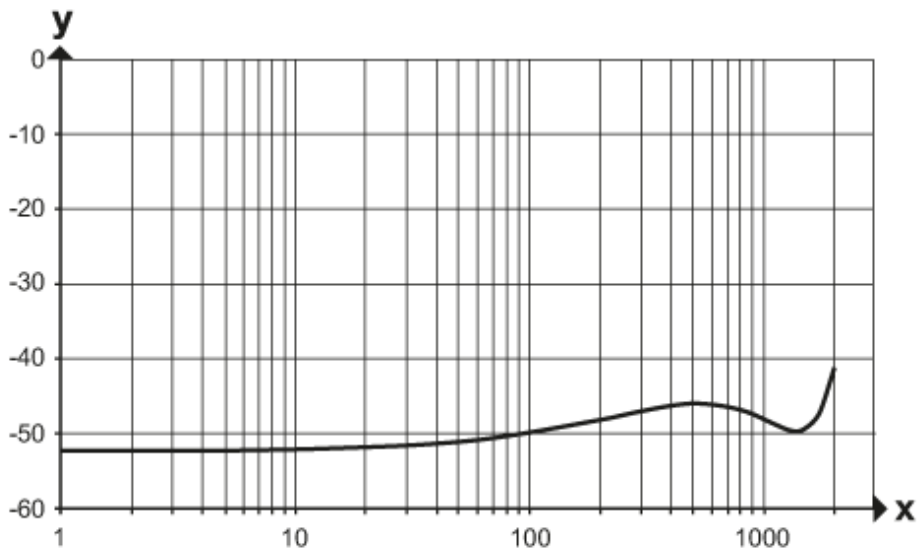
Diagrams and graphs



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

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

Shielding characteristics



- x frequency (MHz)
- y Shielding characteristics (dB)  
according to DIN EN 60512-23-3