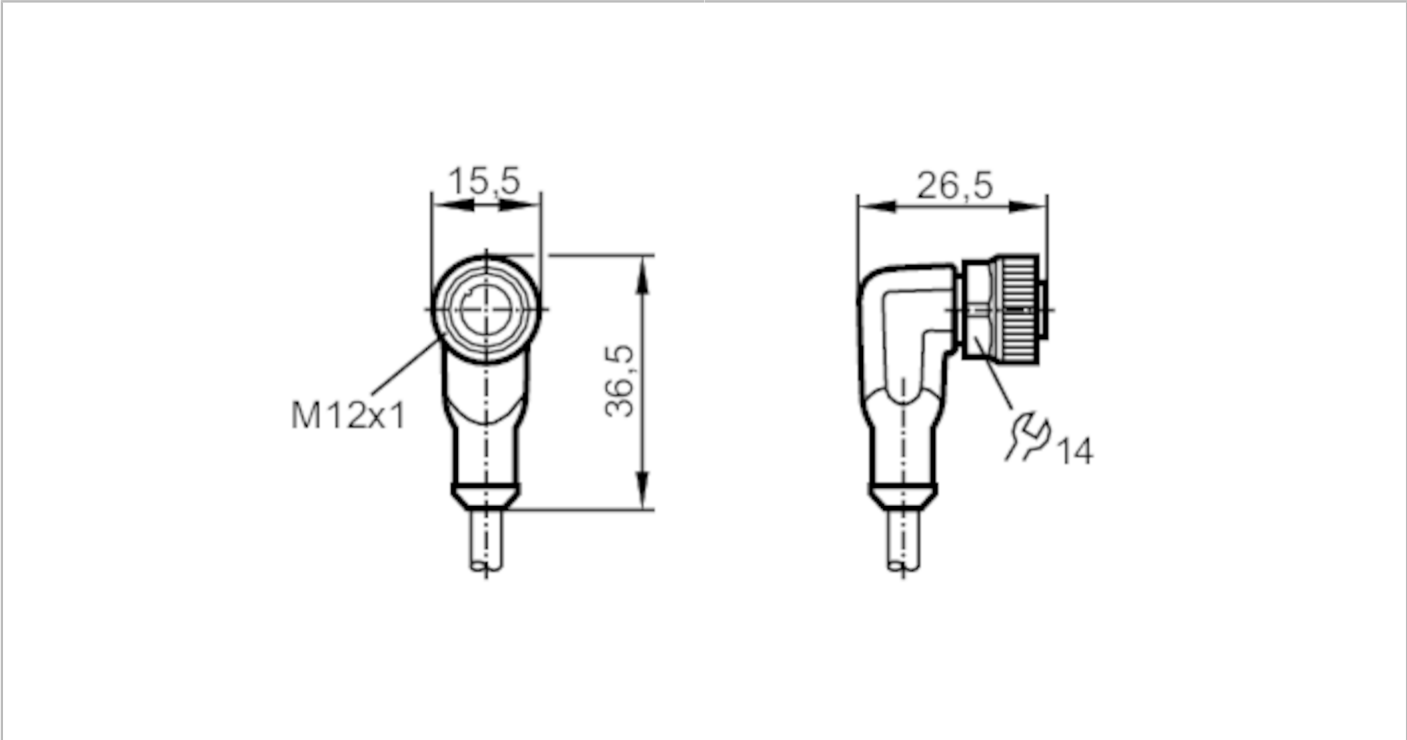




Connecting cable with socket

ADOAH040MSS0025H04

Please see the technical note under "Downloads"



| Application                                                     |      |                                                                                             |
|-----------------------------------------------------------------|------|---------------------------------------------------------------------------------------------|
| Special feature                                                 |      | Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability              |
| Application                                                     |      | Industrial applications / factory automation; Use in machine tools, coolants and lubricants |
| 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] | -25...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                                                                 |
| Mechanical data                                                 |      |                                                                                             |
| Weight                                                          | [g]  | 678.1                                                                                       |



## Connecting cable with socket

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|                        |                                 |                                                                                                |
|------------------------|---------------------------------|------------------------------------------------------------------------------------------------|
| 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                                                                                            |
| 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

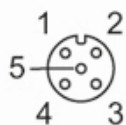
|               |                                                 |
|---------------|-------------------------------------------------|
| Notes         | Please see the technical note under "Downloads" |
| Pack quantity | 1 pcs.                                          |

## Electrical connection

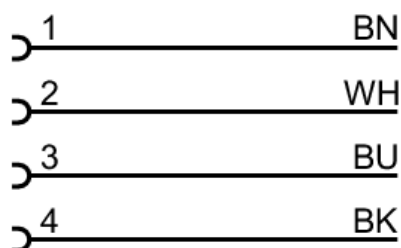
Cable: 25 m, PUR, Halogen-free, black, Ø 4.3 mm; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

## 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



## Connection



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

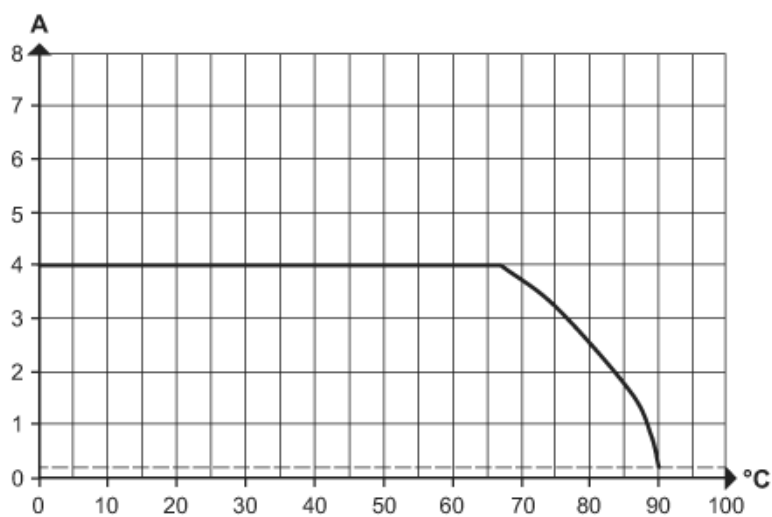


## Connecting cable with socket

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## Diagrams and graphs

characteristic line for derating

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

X Ambient temperature [°C]

Y Current [A]