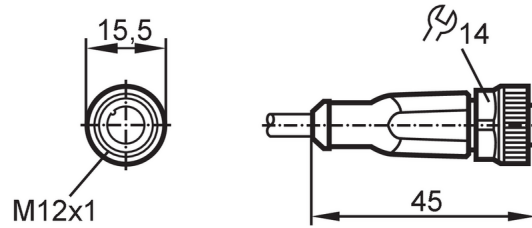


## Female cordset

ADOGH050MSS0020H05

Please see the technical note under "Downloads"



## Application

|                    |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| Special feature    | Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability |
| Application        | Industrial applications; Oils and coolants                                     |
| Free from silicone | yes                                                                            |

## Electrical data

|                             |     |            |
|-----------------------------|-----|------------|
| Operating voltage           | [V] | < 60 AC/DC |
| Protection class            |     | II         |
| Max. current load total     | [A] | 4          |
| Overall current rating (UL) | [A] | 3          |

## 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]                                      | 696.5                                                                              |
| Dimensions             | [mm]                                     | 15.5 x 15.5 x 45                                                                   |
| Molded-body material   |                                          | TPU (urethane)                                                                     |
| Material nut           |                                          | brass, nickel-plated                                                               |
| 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                                                                          |

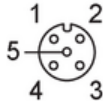


Female cordset

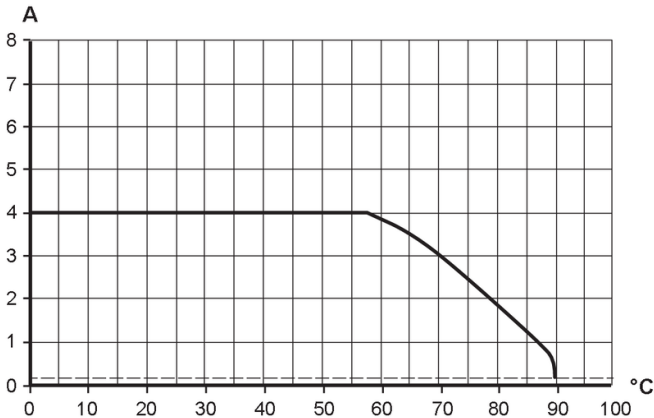
ADOGH050MSS0020H05

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

| Electrical connection                                                                      |
|--------------------------------------------------------------------------------------------|
| Cable: 20 m, PUR, Halogen-free, black, Ø 4.6 mm; 5 x 0.34 mm <sup>2</sup> (42 x Ø 0.1 mm ) |

| Electrical connection - Socket                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM; Tightening torque: 0.6...1.5 Nm |
|                                                                                                      |

| Connection |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
|            |  |
| BK =       | Core colors :<br>black                                                              |
| BN =       | brown                                                                               |
| BU =       | blue                                                                                |
| GY =       | grey                                                                                |
| WH =       | white                                                                               |

| Diagrams and graphs                                                                  |
|--------------------------------------------------------------------------------------|
|  |
| Derating I <sub>max</sub> * 0.8 DIN EN 60512-5-2                                     |
| X Ambient temperature [°C]                                                           |
| Y Current [A]                                                                        |