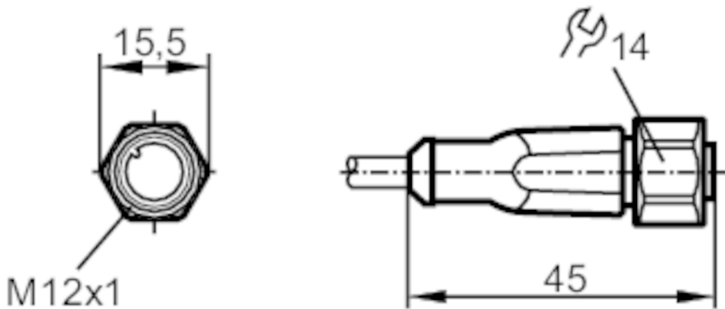




Connecting cable with socket

ADOGH050VAS0010H05

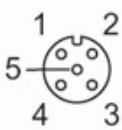


| Application                                                     |      |                                                                                |
|-----------------------------------------------------------------|------|--------------------------------------------------------------------------------|
| 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]  | < 60 AC/DC                                                                     |
| Protection class                                                |      | II                                                                             |
| Max. current load total                                         | [A]  | 4                                                                              |
| Overall current rating (UL)                                     | [A]  | 3                                                                              |
| Operating conditions                                            |      |                                                                                |
| Ambient temperature                                             | [°C] | -40...90                                                                       |
| Note on ambient temperature                                     |      | cULus: ...75 °C                                                                |
| Ambient temperature (moving)                                    | [°C] | -25...90                                                                       |
| Note on ambient temperature (moving)                            |      | cULus: ...75 °C                                                                |
| 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                                                    |



## Connecting cable with socket

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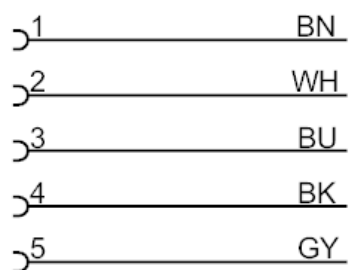
| Tests / approvals                                                                                                                                                                  |                                 |                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------|
| Vibration resistance                                                                                                                                                               | EN 60068-2-6 Fc                 | 20 g (10...3000 Hz) / -20 °C / 50 °C<br>50 sweep cycles, 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 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]                             | 362                                                                                                      |
| Dimensions                                                                                                                                                                         | [mm]                            | 15.5 x 15.5 x 45                                                                                         |
| Moulded-body material                                                                                                                                                              |                                 | TPU                                                                                                      |
| Material nut                                                                                                                                                                       |                                 | stainless steel (1.4404 / 316L)                                                                          |
| 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/s²                       |
|                                                                                                                                                                                    | bending cycles                  | > 5 Mio.                                                                                                 |
|                                                                                                                                                                                    | torsional strain                | ± 180 °/m                                                                                                |
| Remarks                                                                                                                                                                            |                                 |                                                                                                          |
| Pack quantity                                                                                                                                                                      |                                 | 1 pcs.                                                                                                   |
| Electrical connection                                                                                                                                                              |                                 |                                                                                                          |
| Cable: 10 m, PUR, Halogen-free, black, Ø 4.9 mm; 5 x 0.34 mm² (42 x Ø 0.1 mm )                                                                                                     |                                 |                                                                                                          |
| Electrical connection - socket                                                                                                                                                     |                                 |                                                                                                          |
| Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: stainless steel (1.4404 / 316L); Sealing: FKM; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm |                                 |                                                                                                          |
| <div></div>                                                                                     |                                 |                                                                                                          |



## Connecting cable with socket

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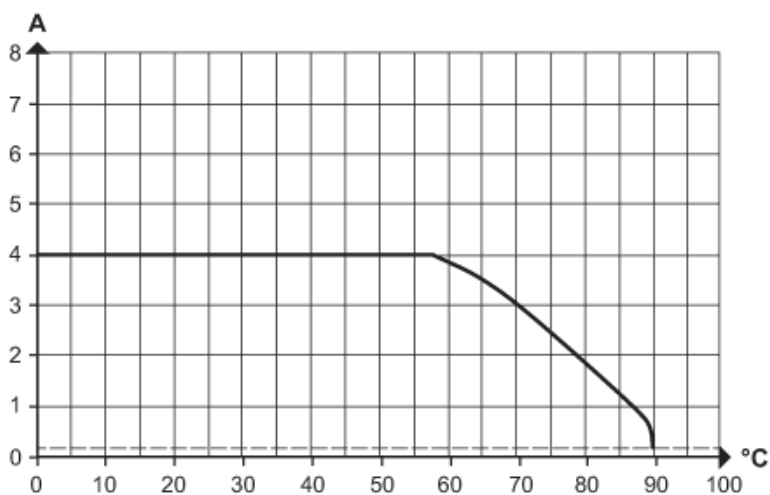
### Connection



Core colours :

|      |       |
|------|-------|
| BK = | black |
| BN = | brown |
| BU = | blue  |
| GY = | grey  |
| WH = | white |

### Diagrams and graphs



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

X Ambient temperature [°C]

Y Current [A]