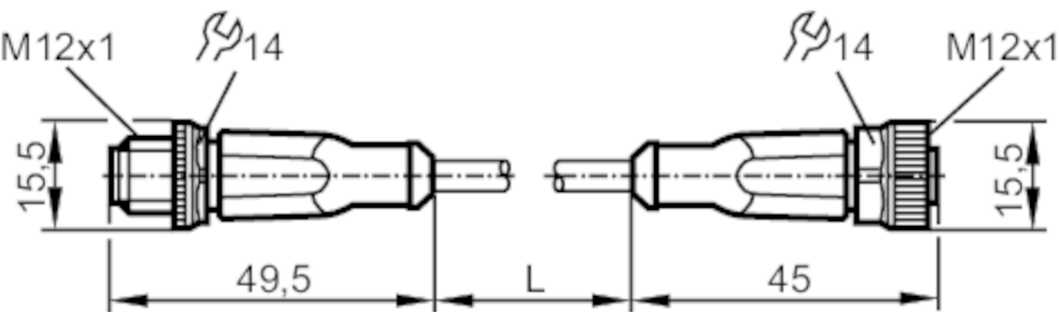




Connection cable

VDOGH050MSS0003H05STGH050MSS



| Application                          |                                                                                |                                                                                    |
|--------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Special feature                      | Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability |                                                                                    |
| Free from silicone                   | yes                                                                            |                                                                                    |
| Electrical data                      |                                                                                |                                                                                    |
| Operating voltage                    | [V]                                                                            | < 60 AC/DC                                                                         |
| Protection class                     |                                                                                | II                                                                                 |
| Max. current load total              | [A]                                                                            | 4; (cULus: 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                                                                       |
| Protection                           |                                                                                | IP 65; IP 67; IP 68; IP 69K                                                        |
| Mechanical data                      |                                                                                |                                                                                    |
| Weight                               | [g]                                                                            | 138.6                                                                              |
| Materials                            |                                                                                | housing: TPU orange; Sealing: FKM                                                  |
| Material nut                         |                                                                                | brass, nickel-plated                                                               |
| 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                                                                          |



## Connection cable

VDOGH050MSS0003H05STGH050MSS

### Remarks

Pack quantity

1 pcs.

### Electrical connection - plug

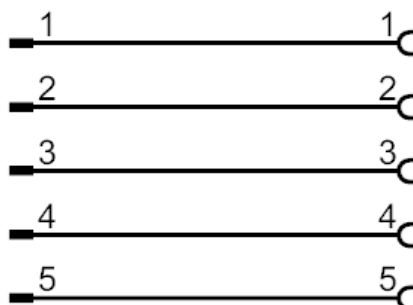
Connector: 1 x M12, straight; coding: A; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm



### Electrical connection

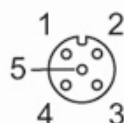
Cable: 3 m, PUR, Halogen-free, black, Ø 4.9 mm; 5 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Connection



### Electrical connection - socket

Connector: 1 x M12, straight; coding: A; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm

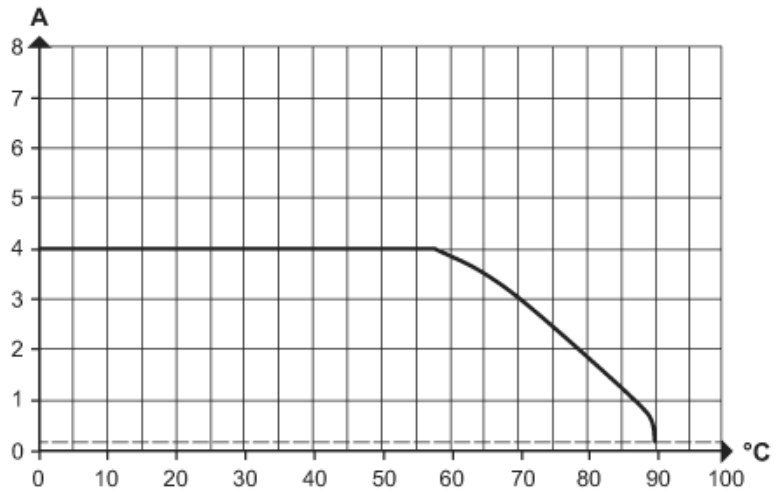




## Connection cable

VDOGH050MSS0003H05STGH050MSS

### Diagrams and graphs



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

X Ambient temperature [°C]

Y Current [A]