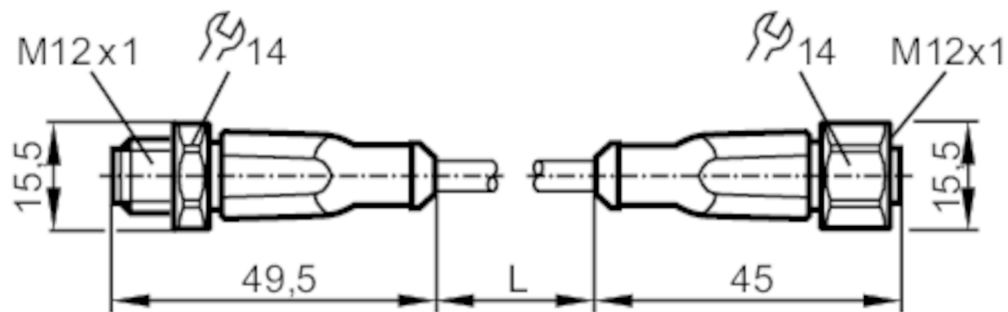




Connection cable

VDOGH040VAS0005H04STGH040VAS



| 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]                                                                            | < 250 AC / < 300 DC                                                                                      |
| Protection class                                                |                                                                                | II                                                                                                       |
| Max. current load total                                         | [A]                                                                            | 4                                                                                                        |
| Operating conditions                                            |                                                                                |                                                                                                          |
| Ambient temperature                                             | [°C]                                                                           | -40...90                                                                                                 |
| Ambient temperature (moving)                                    | [°C]                                                                           | -25...90                                                                                                 |
| 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                                                    |                                                                                                          |
| Tests / approvals                                               |                                                                                |                                                                                                          |
| Vibration resistance                                            | EN 60068-2-6 Fc                                                                | 20 g (10...3000 Hz) / -20 °C / 50 °C                                                                     |
|                                                                 |                                                                                | 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 |



## Connection cable

VDOGH040VAS0005H04STGH040VAS

|                             |                  |                                                                                          |
|-----------------------------|------------------|------------------------------------------------------------------------------------------|
| 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]                             | 191.7                                                                                          |
| Moulded-body material  |                                 | TPU                                                                                            |
| Material nut           |                                 | stainless steel (316L/1.4404)                                                                  |
| 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

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection - plug

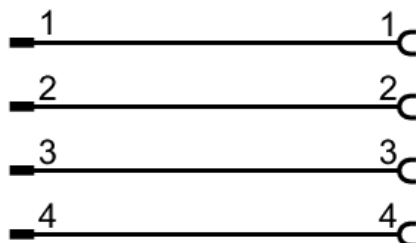
Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: stainless steel (316L/1.4404); Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm



### Electrical connection

Cable: 5 m, PUR, Halogen-free, black, Ø 4.9 mm; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Connection



## Connection cable

VDOGH040VAS0005H04STGH040VAS

### Electrical connection - socket

Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: stainless steel (316L/1.4404); Sealing: FKM;  
Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm



### Diagrams and graphs

characteristic line for derating



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

X Ambient temperature [°C]

Y Current [A]