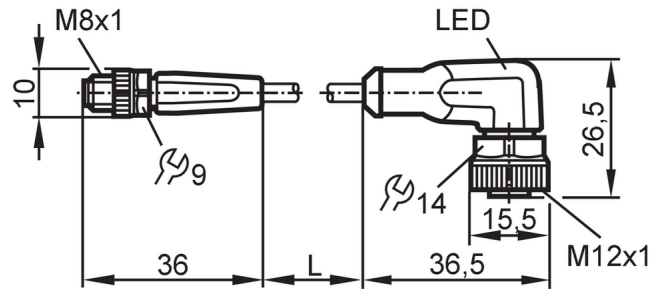




## Connection cable

VDOAH032MSS0001H03STGF030MSS

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] | 10...36 DC |
| Protection class        |     | III        |
| Max. current load total | [A] | 3          |

## Outputs

|                   |     |
|-------------------|-----|
| Electrical design | PNP |
|-------------------|-----|

## 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 |

## Tests / approvals

|      |         |       |
|------|---------|-------|
| MTTF | [years] | 20027 |
|------|---------|-------|

## Mechanical data

|                        |                                          |                                                                                    |
|------------------------|------------------------------------------|------------------------------------------------------------------------------------|
| Weight                 | [g]                                      | 59.1                                                                               |
| Dimensions             | [mm]                                     | 10 x 10 x 36                                                                       |
| 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                                                                          |



Connection cable

VDOAH032MSS0001H03STGF030MSS

Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | Switching status | 1 x LED, yellow |
|         | Power            | 1 x LED, green  |

Remarks

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

Electrical connection - plug

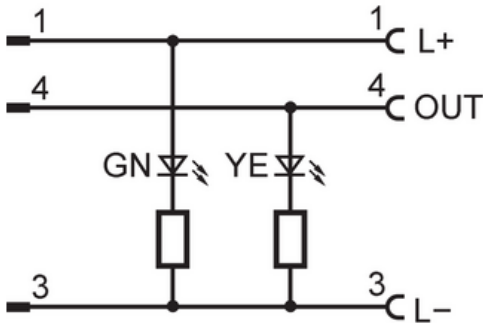
Connector: 1 x M8, straight; coding: A; Contacts: 3, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Tightening torque: 0.3...0.5 Nm



Electrical connection

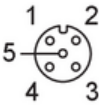
Cable: 1 m, PUR, Halogen-free, black, Ø 4.3 mm; 3 x 0.34 mm² (42 x Ø 0.1 mm )

Connection



Electrical connection - Socket

Connector: 1 x M12, angled; coding: A; Contacts: 3, gold-plated; Moulded body: TPU (urethane), black transparent; Locking: brass, nickel-plated; sealing: FKM; Tightening torque: 0.6...1.5 Nm



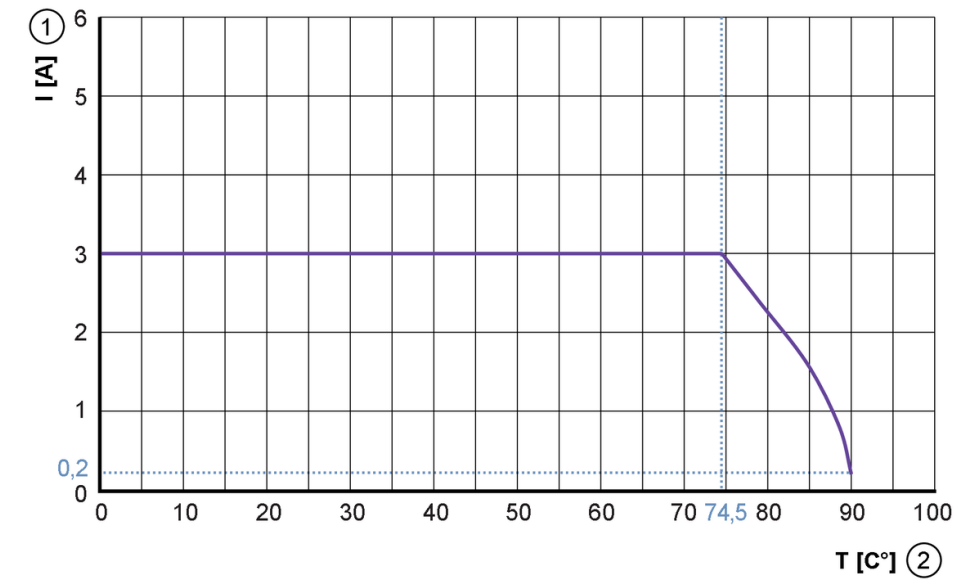


Connection cable

VDOAH032MSS0001H03STGF030MSS

Diagrams and graphs

Characteristic curve for derating



- 1 Current [A]
- 2 Ambient temperature [°C]