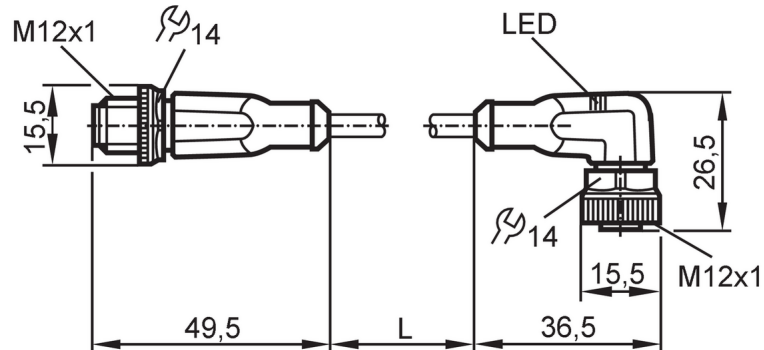




## Connection cable

VDOAH043MSS0004H04STGH040MSS

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            | II         |
| Max. current load total [A] | 4          |

## 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]  | 140                                      |                                                                                    |
| Dimensions             | [mm] | 15.5 x 15.5 x 49.5                       |                                                                                    |
| 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

VDOAH043MSS0004H04STGH040MSS

Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | Switching status | 2 x LED, yellow |
|         | Power            | 1 x LED, green  |

Remarks

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

Electrical connection - plug

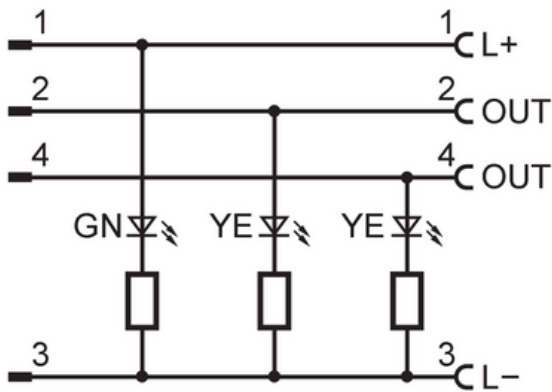
Connector: 1 x M12, straight; coding: A; Contacts: 4, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm



Electrical connection

Cable: 4 m, PUR, Halogen-free, black, Ø 4.3 mm; 4 x 0.34 mm² (42 x Ø 0.1 mm )

Connection



Electrical connection - Socket

Connector: 1 x M12, angled; coding: A; Contacts: 4, gold-plated; Moulded body: TPU (urethane), black transparent; Locking: brass, nickel-plated; sealing: FKM; Tightening torque: 0.6...1.5 Nm

