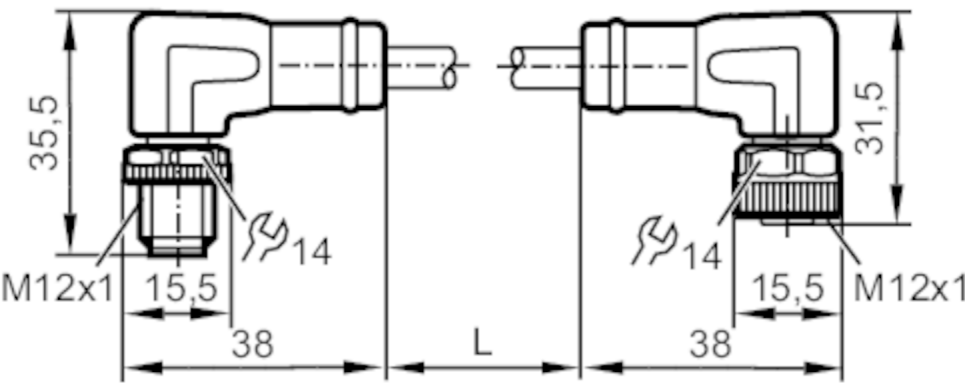


# EVCB86



## Connection cable

VDOAH050MSS0025K05STAH050MSS



### Application

|                    |                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------|
| System             | Free from silicone; Halogen-free; gold-plated contacts; screened cable; Drag chain suitability |
| Application        | Industrial applications; Oils and coolants                                                     |
| Free from silicone | yes                                                                                            |

### Electrical data

|                         |     |                   |
|-------------------------|-----|-------------------|
| Operating voltage       | [V] | < 30 AC / < 36 DC |
| Protection class        |     | III               |
| Max. current load total | [A] | 4                 |

### Operating conditions

|                                                                 |      |                     |
|-----------------------------------------------------------------|------|---------------------|
| Ambient temperature                                             | [°C] | -25...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        |

### Mechanical data

|                      |      |                      |
|----------------------|------|----------------------|
| Weight               | [g]  | 985.5                |
| Dimensions           | [mm] | 35.5 x 15.5 x 49.5   |
| Molded-body material |      | TPU (urethane)       |
| Material nut         |      | brass, nickel-plated |



Connection cable

VDOAH050MSS0025K05STAH050MSS

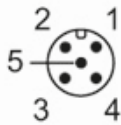
|                        |                                          |                                                                                    |
|------------------------|------------------------------------------|------------------------------------------------------------------------------------|
| 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                           | > 2 Mio.                                                                           |
|                        | Torsional strain                         | ± 180 °/m                                                                          |

Remarks

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

Electrical connection - plug

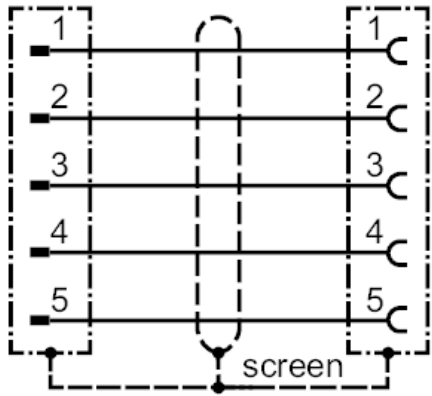
Connector: 1 x M12, angled; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: shield connected



Electrical connection

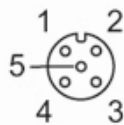
Cable: 25 m, PUR, Halogen-free, black, Ø 4.9 mm, screened; 5 x 0.25 mm² (32 x Ø 0.1 mm )

Connection



Electrical connection - Socket

Connector: 1 x M12, angled; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: shield connected





Connection cable

VDOAH050MSS0025K05STAH050MSS

Diagrams and graphs

Shielding characteristics

