

# EVCB82



## Connection cable

VDOAH050MSS0002K05STAH050MSS



| 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]  | 121.3                                                                                          |
| Dimensions                                                      | [mm] | 35.5 x 15.5 x 49.5                                                                             |
| Molded-body material                                            |      | TPU (urethane)                                                                                 |
| Material nut                                                    |      | brass, nickel-plated                                                                           |

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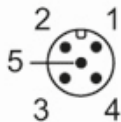
|                        |                                          |                                                                                    |
|------------------------|------------------------------------------|------------------------------------------------------------------------------------|
| 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

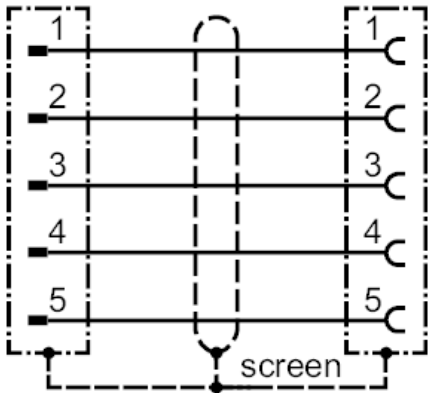
Connector: 1 x M12, angled; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: shield connected



Electrical connection

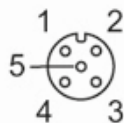
Cable: 2 m, PUR, Halogen-free, black, Ø 4.9 mm, screened; 5 x 0.25 mm² (32 x Ø 0.1 mm )

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





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Diagrams and graphs

Shielding characteristics

