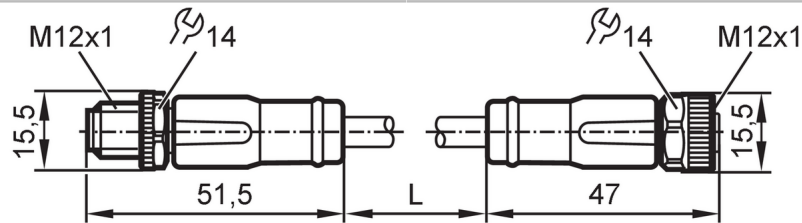


# EVCB58



## Connection cable

VDOGH050MSS0015K05STGH050MSS



| Application                                                     |                                                                                                |                                                                                    |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Special feature                                                 | 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]                                                                                            | 620.9                                                                              |
| 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                                                                                 | > 2 Mio.                                                                           |
|                                                                 | Torsional strain                                                                               | ± 180 °/m                                                                          |
| Remarks                                                         |                                                                                                |                                                                                    |
| Pack quantity                                                   | 1 pcs.                                                                                         |                                                                                    |

# EVCB58

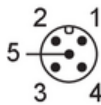


## Connection cable

VDOGH050MSS0015K05STGH050MSS

### Electrical connection - plug

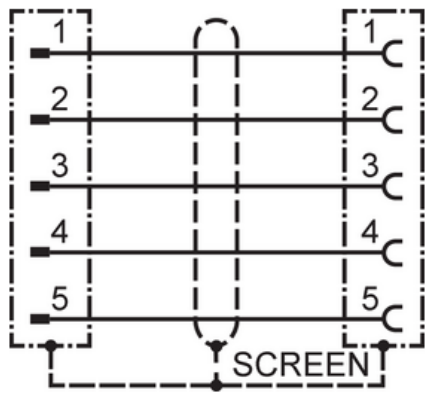
Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: shield connected



### Electrical connection

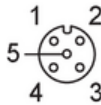
Cable: 15 m, PUR, Halogen-free, black, Ø 4.9 mm, screened; 5 x 0.25 mm<sup>2</sup> (32 x Ø 0.1 mm )

### Connection



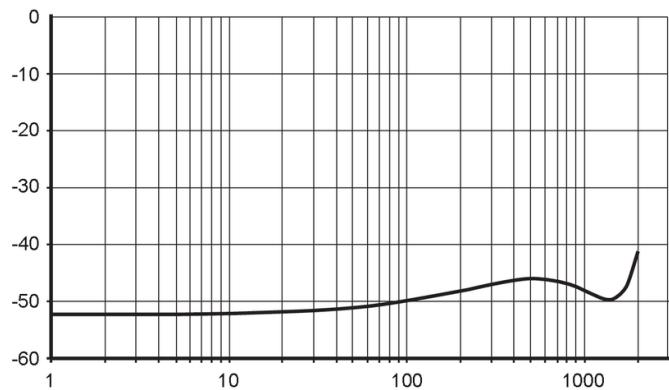
### Electrical connection - Socket

Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: shield connected



### Diagrams and graphs

#### Shielding characteristics



x Frequency (MHz)  
y Shielding characteristics (dB)  
according to DIN EN 60512-23-3