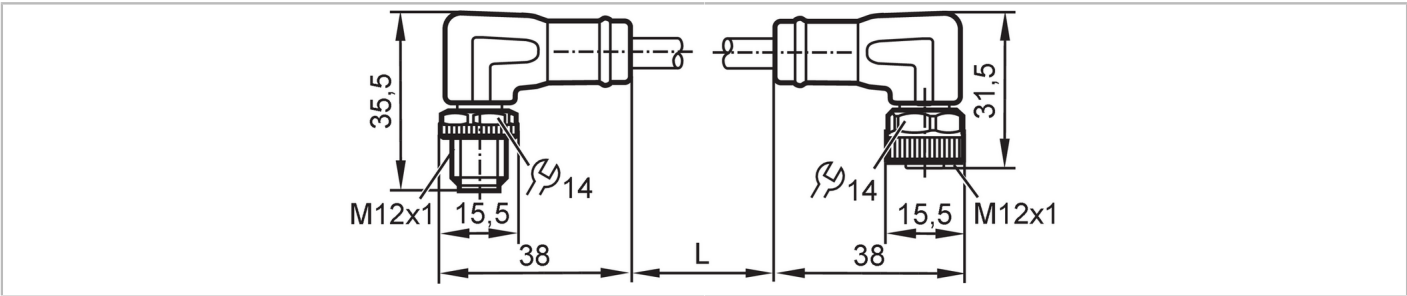


# EVC739



## Connection cable

VDOAH040MSP0001H04STAH040MSP



| 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]                                                                            | < 250 AC / < 300 DC                                                                |
| Protection class                                                |                                                                                | II                                                                                 |
| 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; IP 68; IP 69K                                                    |                                                                                    |
| Mechanical data                                                 |                                                                                |                                                                                    |
| Weight                                                          | [g]                                                                            | 102.6                                                                              |
| Dimensions                                                      | [mm]                                                                           | 35.5 x 15.5 x 38                                                                   |
| 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                                                                          |
| Remarks                                                         |                                                                                |                                                                                    |
| Pack quantity                                                   | 1 pcs.                                                                         |                                                                                    |

# EVC739



## Connection cable

VDOAH040MSP0001H04STAH040MSP

### Electrical connection - plug

Connector: 1 x M12, angled; 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: 1 m, PUR, Halogen-free, black, Ø 6.2 mm; 4 x 1.00 mm² (32 x Ø 0.2 mm )

#### Connection



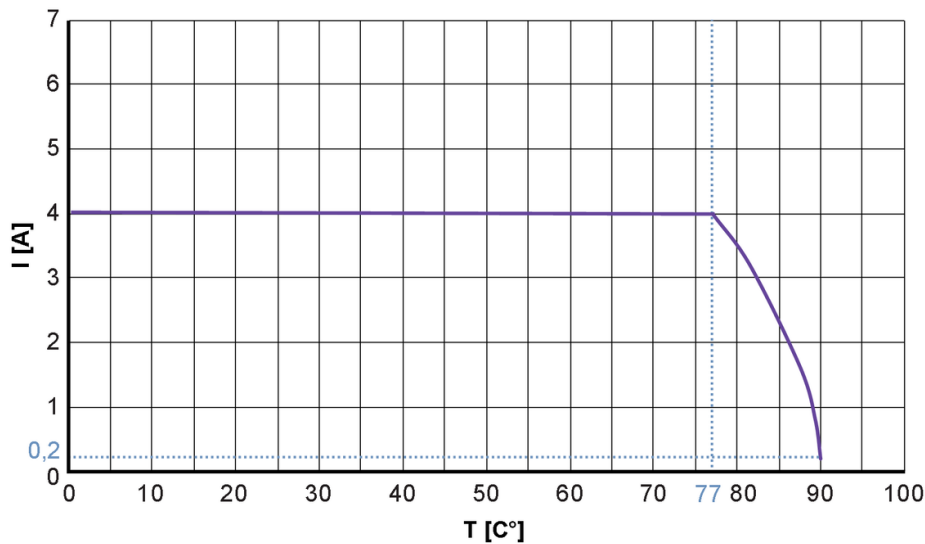
### Electrical connection - Socket

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



### Diagrams and graphs

#### Characteristic curve for derating



Derating  $I_{max} \cdot 0.8$  (DIN EN 60512-5-2)

T Ambient temperature [°C]

I Current [A]