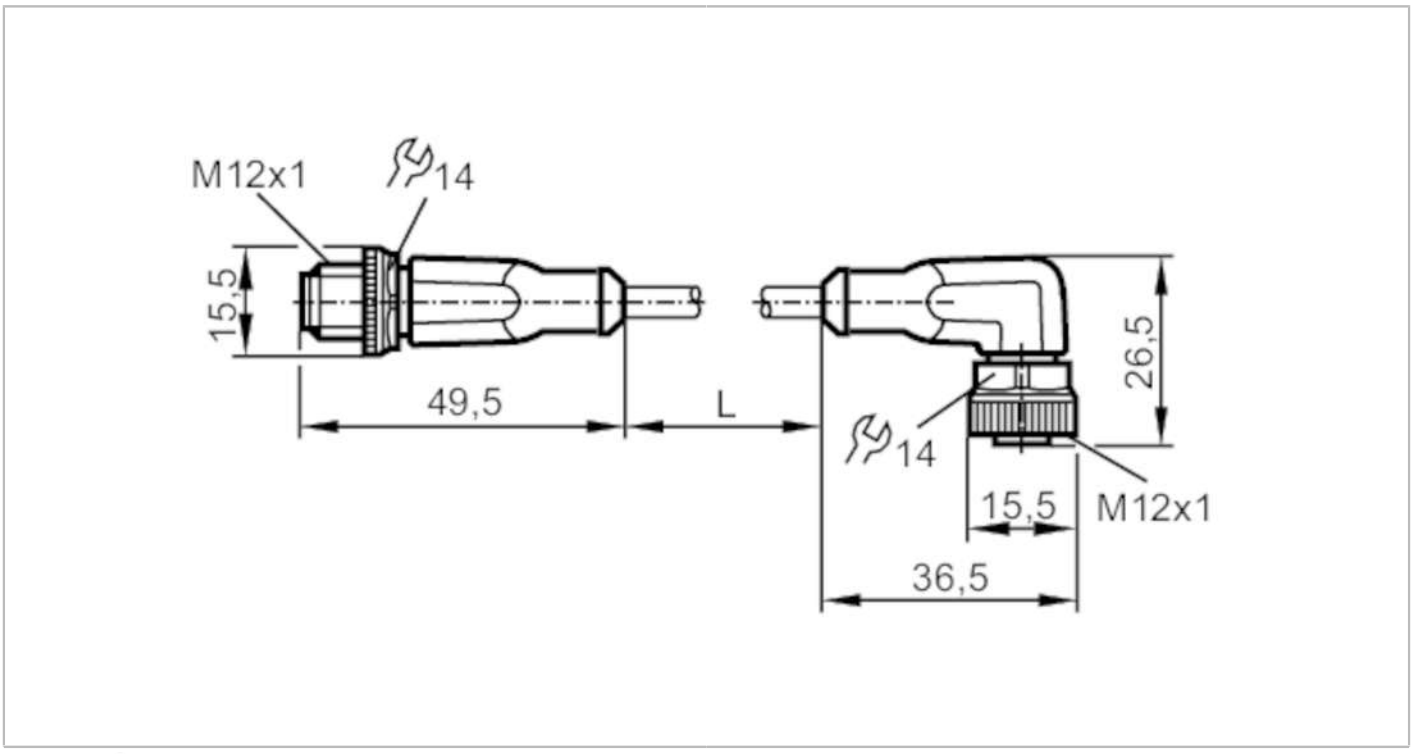
# EVC205

## Connection cable

VDOAH050MSS00,8H05STGH050MSS

Please see the technical note under "Downloads"




| | | |
|---|---|---|
| **Application** | | |
| Special feature | | Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability |
| Free from silicone | | yes |
| **Electrical data** | | |
| Operating voltage | [V] | < 60 AC/DC |
| Protection class | | II |
| Max. current load total | [A] | 4 |
| Overall current rating (UL) | [A] | 3 |
| **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 |
| 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] | 64 |

# EVC205

## Connection cable

VDOAH050MSS00,8H05STGH050MSS

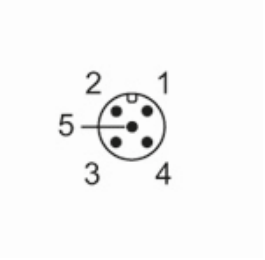
| | | |
|---|---|---|
| Moulded-body material | TPU | |
| Material nut | brass, nickel-plated | |
| Sealing material | FKM | |
| Drag chain suitability | yes | |
| Drag chain suitability | bending radius for flexible use | min. 10 x cable diameter |
| | travel speed | max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s² |
| | bending cycles | > 5 Mio. |
| | torsional strain | ± 180 °/m |

### Remarks

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

### Electrical connection - plug

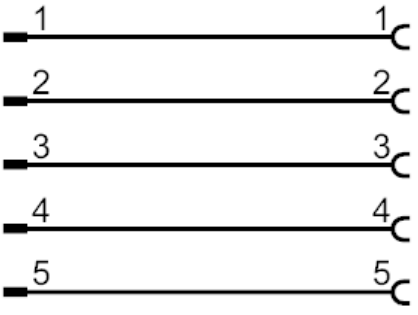
Connector: 1 x M12, straight; coding: A; Moulded body: TPU; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm




### Electrical connection

Cable: 0.8 m, PUR, Halogen-free, black, Ø 4.6 mm; 5 x 0.34 mm² (42 x Ø 0.1 mm )

Connection



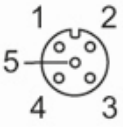
# EVC205

## Connection cable

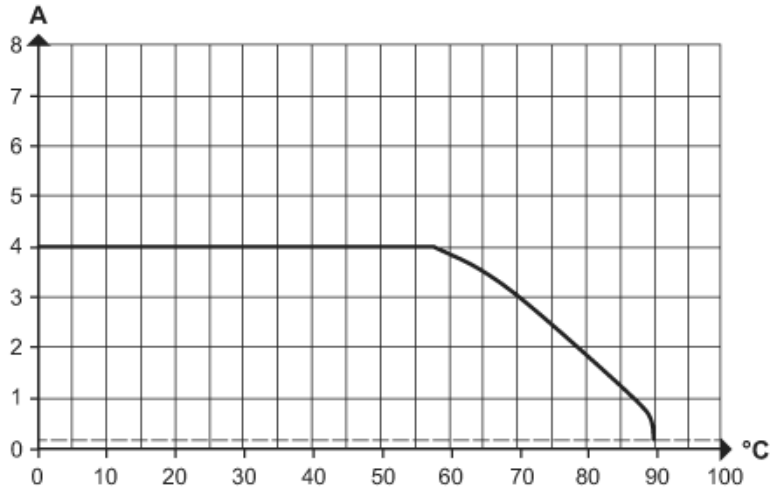
VDOAH050MSS00,8H05STGH050MSS

## Electrical connection - socket

Connector: 1 x M12, angled; coding: A; Moulded body: TPU; Locking: brass, nickel-plated; Sealing: FKM; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm




## Diagrams and graphs




Derating Imax * 0.8 DIN EN 60512-5-2

X Ambient temperature [°C]

Y Current [A]