



## Connection cable

VDOAH050MSS00,6H05STGH050MSS

Please see the technical note under "Downloads"



## Application

|                    |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| System             | 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 |



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| Mechanical data        |                                          |                                                                                                |
|------------------------|------------------------------------------|------------------------------------------------------------------------------------------------|
| Weight                 | [g]                                      | 55.8                                                                                           |
| 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/s <sup>2</sup> |
|                        | Bending cycles                           | > 5 Mio.                                                                                       |
|                        | Torsional strain                         | ± 180 °/m                                                                                      |

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

### Electrical connection - plug

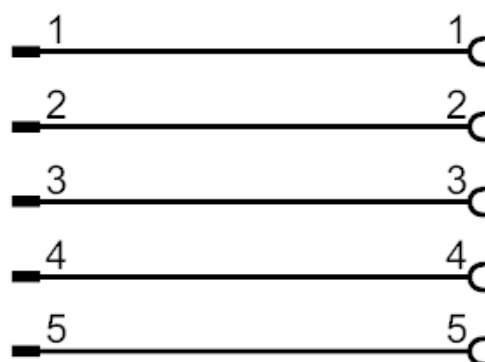
Connector: 1 x M12, straight; Moulded body: TPU (urethane); Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm



### Electrical connection

Cable: 0.6 m, PUR, Halogen-free, black, Ø 4.6 mm; 5 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm)

### Connection



### Electrical connection - Socket

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

# EVC061

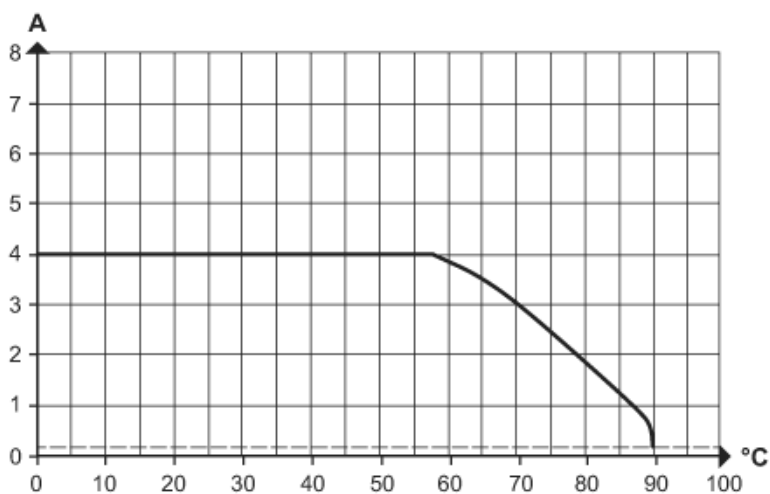


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## Diagrams and graphs



Derating  $I_{max} * 0.8$  DIN EN 60512-5-2

X Ambient temperature [°C]

Y Current [A]