

## Connection cable

VDOGF030MSS0010H03STGH030MSS

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]       | < 50 AC / < 60 DC |
| Protection class            | III               |
| Max. current load total [A] | 3                 |

### Operating conditions

|                                      |                             |
|--------------------------------------|-----------------------------|
| Ambient temperature [°C]             | -25...90                    |
| Note on ambient temperature          | cULus: ...75 °C             |
| Ambient temperature (moving) [°C]    | -25...90                    |
| Note on ambient temperature (moving) | cULus: ...75 °C             |
| Protection                           | IP 65; IP 67; IP 68; IP 69K |

### Mechanical data

|                        |                      |
|------------------------|----------------------|
| Weight [g]             | 315.7                |
| Molded-body material   | TPU (urethane)       |
| Material nut           | brass, nickel-plated |
| Sealing material       | FKM                  |
| Drag chain suitability | yes                  |



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

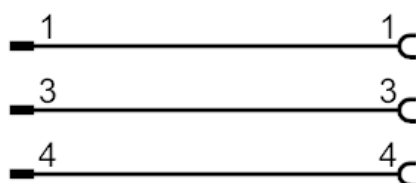
Connector: 1 x M12, straight; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm



### Electrical connection

Cable: 10 m, PUR, Halogen-free, black, Ø 4.3 mm; 3 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Connection



### Electrical connection - Socket

Connector: 1 x M8, straight; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM; Contacts: gold-plated; Tightening torque: 0.3...0.5 Nm



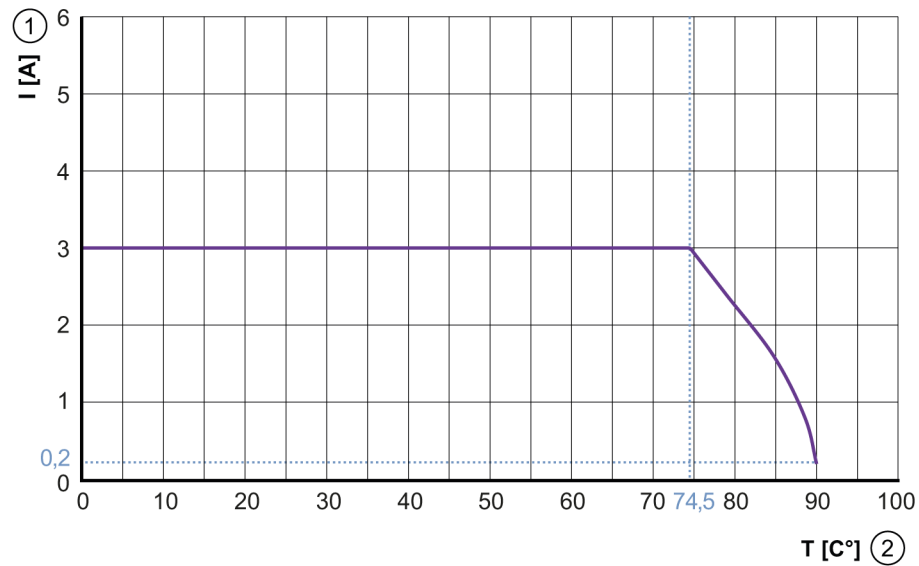


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Diagrams and graphs

Characteristic curve for derating



- 1 Current [A]
- 2 Ambient temperature [°C]