

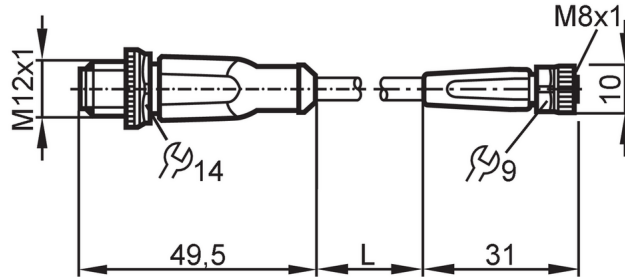
# EVC240



## Connection cable

VDOGF040MSS00,3H04STGH040MSS

Please see the technical note under "Downloads"



### Application

|                    |   |
|--------------------|---|
| Special feature    | Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability              |
| Application        | Industrial applications / factory automation; Use in machine tools, coolants and lubricants |
| 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]                             | 36.2   |
| 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/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.  |

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### Electrical connection - plug

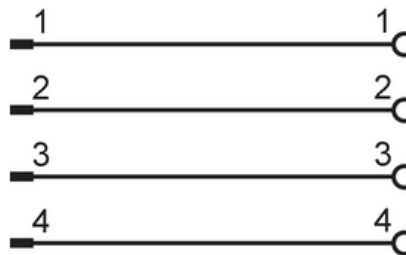
Connector: 1 x M12, straight; coding: A; Contacts: 4, gold-plated; Moulded body: TPU, orange; Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm



### Electrical connection

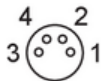
Cable: 0.3 m, PUR, Halogen-free, black,  $\varnothing$  4.3 mm; 4 x 0.34 mm<sup>2</sup> (42 x  $\varnothing$  0.1 mm)

### Connection



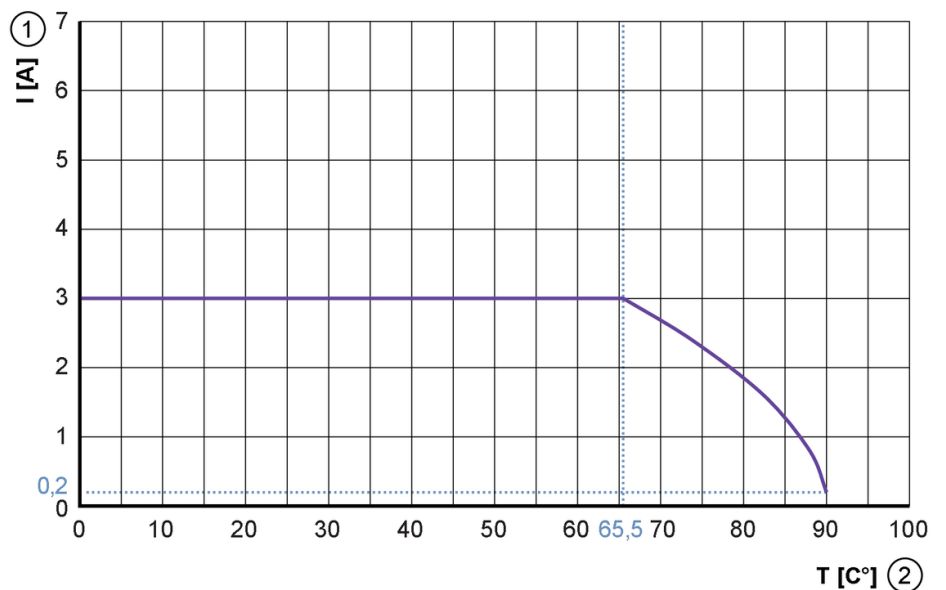
### Electrical connection - socket

Connector: 1 x M8, straight; coding: A; Contacts: 4, gold-plated; Moulded body: TPU, orange; Locking: brass, nickel-plated; Sealing: FKM; Tightening torque: 0.3...0.5 Nm



### Diagrams and graphs

characteristic line for derating



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