

# EVC350



## Connection cable

VDOGH040MSS01,5H04STGH040MSS

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]                                           | < 250 AC / < 300 DC                                                            |
| Protection class                                                | II                                                                             |
| Max. current load total [A]                                     | 4                                                                              |
| 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]                                                      | 74.3                                                                           |
| Materials                                                       | housing: TPU orange; Sealing: FKM                                              |



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|                        |                                 |                                                                                                |
|------------------------|---------------------------------|------------------------------------------------------------------------------------------------|
| Material nut           | brass, nickel-plated            |                                                                                                |
| 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.                                          |

### Electrical connection - plug

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



### Electrical connection

Cable: 1.5 m, PUR, Halogen-free, black, Ø 4.3 mm; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

#### Connection



### Electrical connection - socket

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





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### Diagrams and graphs

characteristic line for derating



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

X Ambient temperature [°C]

Y Current [A]