

## Connection cable

VDOAH040MSS0010H04STGH040MSS

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] | 300.5                             |
| 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: 10 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, angled; 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]