



## Connection cable

VDOAH050MSD0001C05STAH050MSS



| Application                                                     |      |                                                                            |
|-----------------------------------------------------------------|------|----------------------------------------------------------------------------|
| System                                                          |      | Halogen-free; gold-plated contacts; screened cable; Drag chain suitability |
| Application                                                     |      | CAN bus                                                                    |
| Electrical data                                                 |      |                                                                            |
| Operating voltage                                               | [V]  | < 30 AC / < 36 DC                                                          |
| Max. current load total                                         | [A]  | 4                                                                          |
| Operating conditions                                            |      |                                                                            |
| Ambient temperature                                             | [°C] | -25...80                                                                   |
| 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 67; IP 68; IP 69K                                                       |
| Mechanical data                                                 |      |                                                                            |
| Weight                                                          | [g]  | 140.35                                                                     |
| Material                                                        |      | housing: PUR black; sealing: FKM                                           |
| Molded-body material                                            |      | TPU (urethane)                                                             |
| Material nut                                                    |      | brass, nickel-plated                                                       |
| Sealing material                                                |      | FKM                                                                        |
| Drag chain suitability                                          |      | yes                                                                        |



Connection cable

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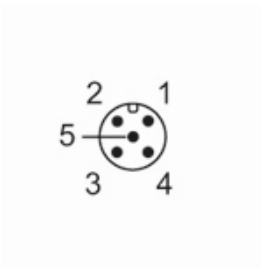
|                        |                                          |                                                                                                |
|------------------------|------------------------------------------|------------------------------------------------------------------------------------------------|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

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

Electrical connection - plug

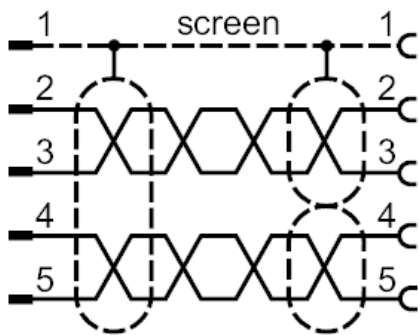
Connector: 1 x M12, angled; coding: A; Moulded body: TPU (urethane), black; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm



Electrical connection

Cable: 1 m, PUR, Halogen-free, lilac, Ø 8.4 mm, screened; RD / BK: 2 x 0.75 mm<sup>2</sup> (42 x Ø 0.15 mm ) + WH / BU: 2 x 0.5 mm<sup>2</sup> (19 x Ø 0.19 mm ) + screen: 1 x 0.75 mm<sup>2</sup> (42 x Ø 0.15 mm )

Connection



Electrical connection - Socket

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

