



Connection cable

VDOAH040SCS0001T04STGH040SCS



| Application   |      |  |
|---|------|--|
| Special feature   |      | Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability |
| Application   |      | welding applications   |
| 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]  | 68.3   |
| Materials   |      | housing: TPU orange; Sealing: FKM  |
| Material nut  |      | brass, anti-spatter  |



Connection cable

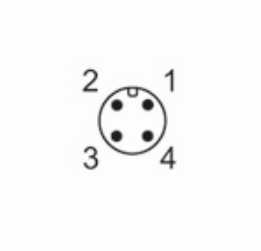
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|                        |                                 |  |
|------------------------|---------------------------------|--|
| Drag chain suitability | yes                             |  |
| Drag chain suitability | bending radius for flexible use | 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/s² |
|                        | bending cycles                  | > 2 Mio.   |
|                        | torsional strain                | ± 180 °/m  |

| Remarks       |                                 |  |
|---------------|---------------------------------|--|
| Remarks       | with 2 label holders 30 mm long |  |
| Pack quantity | 1 pcs.                          |  |

Electrical connection - plug

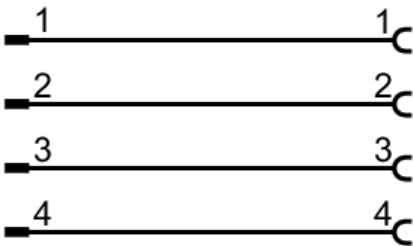
Connector: 1 x M12, straight; coding: A; Locking: brass, anti-spatter; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm



Electrical connection

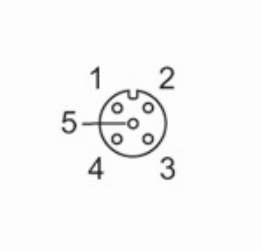
Cable: 1 m, PUR, Halogen-free, grey, Ø 4.9 mm; not irradiated (can be recycled); resistant to welding sparks; 4 x 0.34 mm² (42 x Ø 0.1 mm )

Connection



Electrical connection - socket

Connector: 1 x M12, angled; coding: A; Locking: brass, anti-spatter; 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]