

## Connection cable

VDOG030SCS01,5T03STGH030SCS



## Application

|                    |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| System             | Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability |
| Application        | welding applications                                                           |
| 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                |
| Ambient temperature (moving) [°C]    | -25...90                    |
| Note on ambient temperature (moving) | cULus: ...75                |
| Protection                           | IP 65; IP 67; IP 68; IP 69K |

## Mechanical data

|                        |                    |
|------------------------|--------------------|
| Weight [g]             | 61.9               |
| Molded-body material   | TPU (urethane)     |
| Material nut           | brass, weld coated |
| Sealing material       | FKM                |
| Drag chain suitability | yes                |



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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                           | > 2 Mio.                                                                                       |
|                        | Torsional strain                         | ± 180 °/m                                                                                      |

### Remarks

|               |                       |
|---------------|-----------------------|
| Remarks       | without label holders |
| Pack quantity | 1 pcs.                |

### Electrical connection - plug

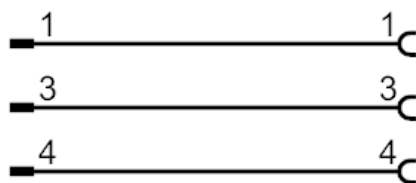
Connector: 1 x M12, straight; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, weld coated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm



### Electrical connection

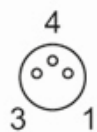
Cable: 1.5 m, PUR, Halogen-free, grey, Ø 4.5 mm; not irradiated (can be recycled); resistant to welding sparks; 3 x 0.25 mm<sup>2</sup> (32 x Ø 0.1 mm)

### Connection



### Electrical connection - Socket

Connector: 1 x M8, straight; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, weld coated; sealing: FKM; Contacts: gold-plated; Tightening torque: 0.3...0.5 Nm



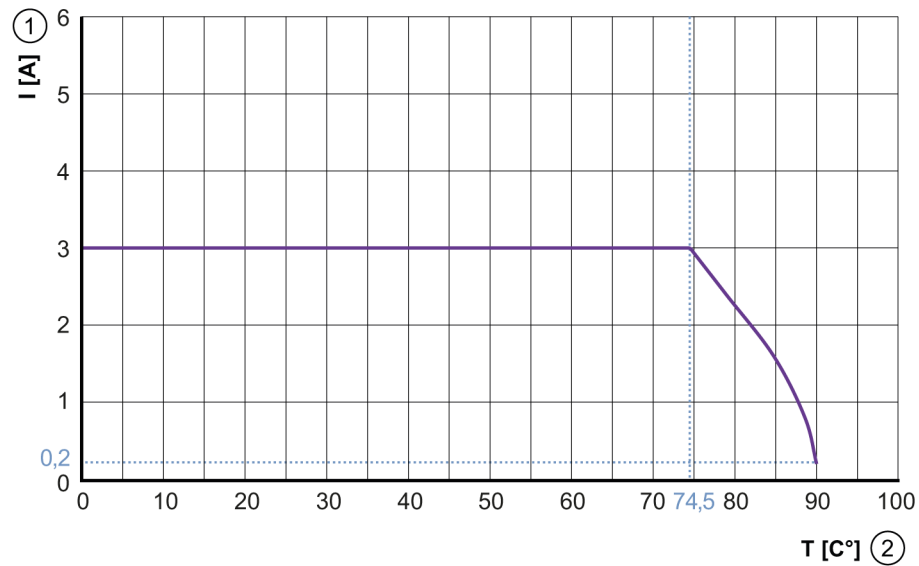


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VDOGF030SCS01,5T03STGH030SCS

Diagrams and graphs

Characteristic curve for derating



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