

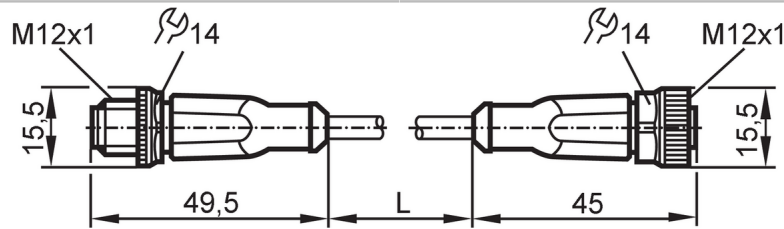
EVC188



Connection cable

VDOGH050MSS0003H05STGH050MSS

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] | < 60 AC/DC | | | | | | | | |
| Protection class | II | | | | | | | | |
| Max. current load total [A] | 4 | | | | | | | | |
| Overall current rating (UL) [A] | 3 | | | | | | | | |
| Operating conditions | | | | | | | | | |
| Ambient temperature [°C] | -25...90 | | | | | | | | |
| Note on ambient temperature | cULus: ...75 °C | | | | | | | | |
| Ambient temperature (moving) [°C] | -25...90 | | | | | | | | |
| Note on ambient temperature (moving) | cULus: ...75 °C | | | | | | | | |
| 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] | 138.6 | | | | | | | | |
| Moulded-body material | TPU | | | | | | | | |
| Material nut | brass, nickel-plated | | | | | | | | |
| Sealing material | FKM | | | | | | | | |
| Drag chain suitability | yes | | | | | | | | |
| Drag chain suitability | <table border="1"> <tr> <td>bending radius for flexible use</td> <td>min. 10 x cable diameter</td> </tr> <tr> <td>travel speed</td> <td>max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s²</td> </tr> <tr> <td>bending cycles</td> <td>> 5 Mio.</td> </tr> <tr> <td>torsional strain</td> <td>± 180 °/m</td> </tr> </table> | 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 ² | bending cycles | > 5 Mio. | torsional strain | ± 180 °/m |
| 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 ² | | | | | | | | |
| bending cycles | > 5 Mio. | | | | | | | | |
| torsional strain | ± 180 °/m | | | | | | | | |
| Remarks | | | | | | | | | |
| Notes | Please see the technical note under "Downloads" | | | | | | | | |
| Pack quantity | 1 pcs. | | | | | | | | |

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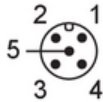


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VDOGH050MSS0003H05STGH050MSS

Electrical connection - plug

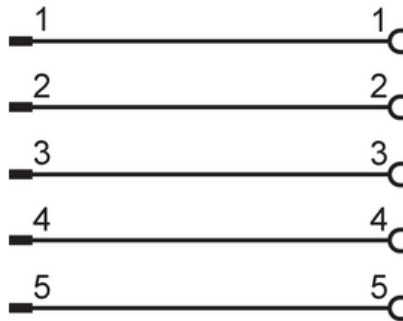
Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU, orange; Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm



Electrical connection

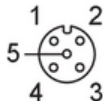
Cable: 3 m, PUR, Halogen-free, black, \varnothing 4.6 mm; 5 x 0.34 mm² (42 x \varnothing 0.1 mm)

Connection

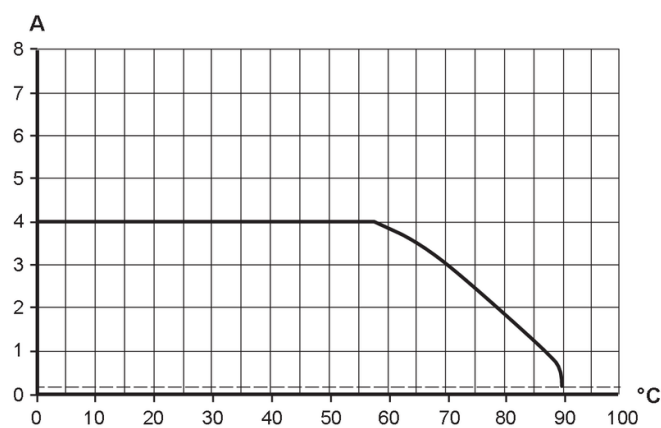


Electrical connection - socket

Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU, orange; Locking: brass, nickel-plated; Sealing: FKM; Tightening torque: 0.6...1.5 Nm



Diagrams and graphs



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

X Ambient temperature [°C]

Y Current [A]