

EVC190



Connection cable

VDOGH050MSS0015H05STGH050MSS

Please see the technical note under "Downloads"



Application									
Special feature	Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability								
Application	Industrial applications / factory automation; Use in machine tools, coolants and lubricants								
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]	533.5								
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
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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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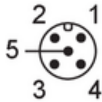


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Electrical connection - plug

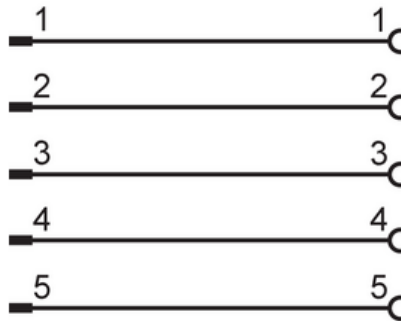
Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU, orange; Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm



Electrical connection

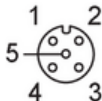
Cable: 15 m, PUR, Halogen-free, black, \varnothing 4.6 mm; 5 x 0.34 mm² (42 x \varnothing 0.1 mm)

Connection

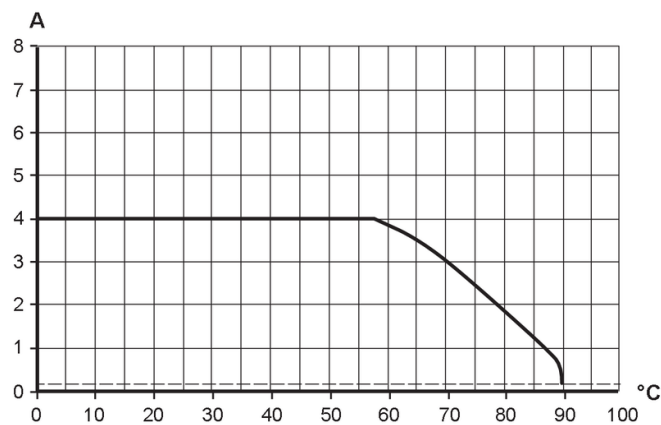


Electrical connection - socket

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]