

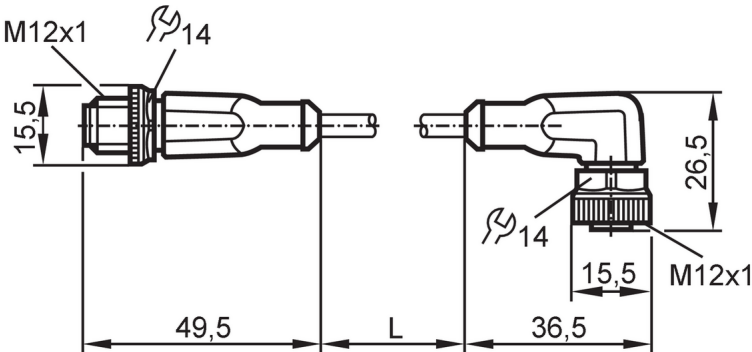
EVC061



Connection cable

VDOAH050MSS00,6H05STGH050MSS

Please see the technical note under "Downloads"



Application

Special feature	Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability
Application	Industrial applications; Oils and coolants
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
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]	55.8								
Molded-body material	TPU (urethane)								
Material nut	brass, nickel-plated								
Sealing material	FKM								
Drag chain suitability	yes								
Drag chain suitability	<table><tr><td>Bending radius for flexible applications</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 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/s²	Bending cycles	> 5 Mio.	Torsional strain	± 180 °/m
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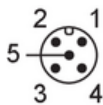
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VDOAH050MSS00,6H05STGH050MSS

Remarks	
Notes	Please see the technical note under "Downloads"
Pack quantity	1 pcs.

Electrical connection - plug

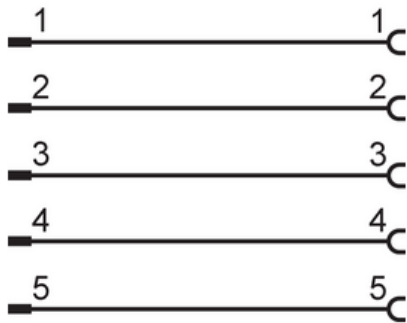
Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane); Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm



Electrical connection

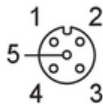
Cable: 0.6 m, PUR, Halogen-free, black, Ø 4.6 mm; 5 x 0.34 mm² (42 x Ø 0.1 mm)

Connection

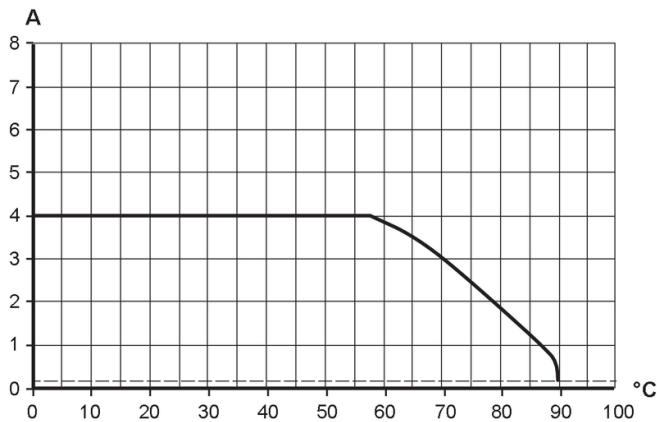


Electrical connection - Socket

Connector: 1 x M12, angled; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane); 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]