



Connection cable

VDOAH050MSS0003H05STGH050MSS



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; (cULus: 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]	137.2
Materials		housing: TPU; Sealing: FKM
Material nut		brass, nickel-plated
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	> 5 Mio.
	torsional strain	± 180 °/m



Connection cable

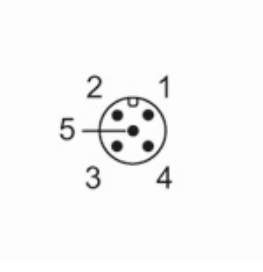
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

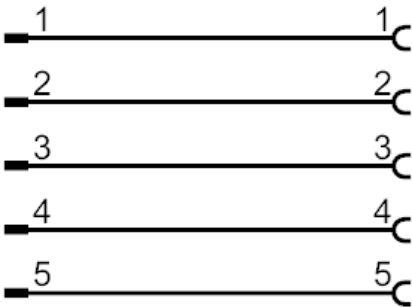
Connector: 1 x M12, straight; coding: A; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm



Electrical connection

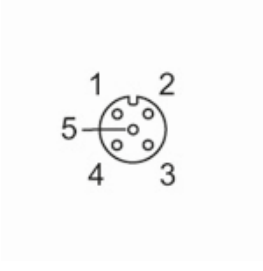
Cable: 3 m, PUR, Halogen-free, black, Ø 4.9 mm; 5 x 0.34 mm² (42 x Ø 0.1 mm)

Connection



Electrical connection - socket

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





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Diagrams and graphs



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

X Ambient temperature [°C]

Y Current [A]