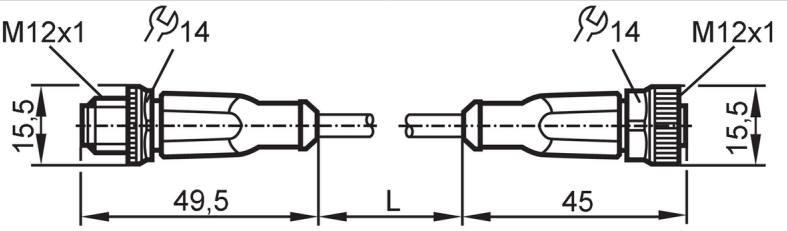
EVC059

Connection cable

VDOGH050MSS0005H05STGH050MSS

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]		188.4
Moulded-body material			TPU
Material nut			brass, nickel-plated
Sealing material			FKM
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
Remarks			
Notes			Please see the technical note under "Downloads"
Pack quantity			1 pcs.

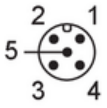
EVC059

Connection cable

VDOGH050MSS0005H05STGH050MSS

Electrical connection - plug

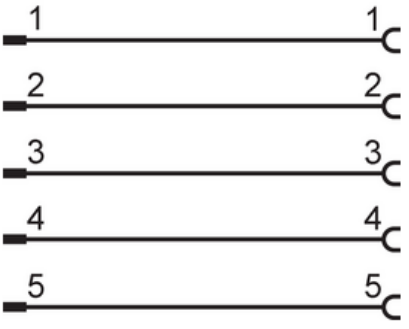
Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU, orange; Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm



Electrical connection

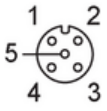
Cable: 5 m, PUR, Halogen-free, black, Ø 4.6 mm; 5 x 0.34 mm² (42 x Ø 0.1 mm)

Connection

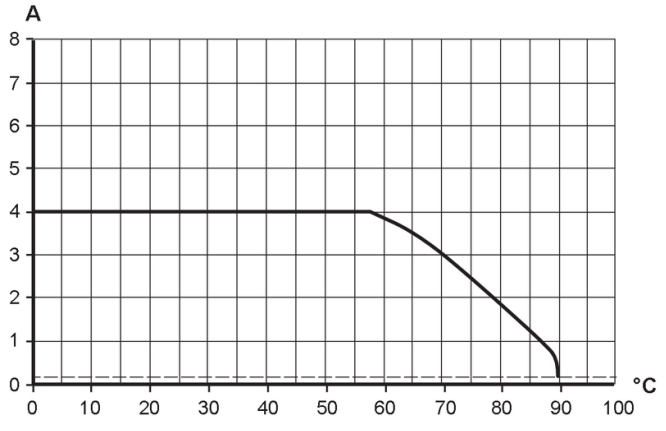


Electrical connection - socket

Connector: 1 x M12, 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 Imax * 0.8 DIN EN 60512-5-2

X Ambient temperature [°C]

Y Current [A]