

EVC305



Connection cable

VDOGF030MSS00,3H03STGF040MSS



Application

System	Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability
Free from silicone	yes

Electrical data

Operating voltage	[V]	< 50 AC / < 60 DC
Protection class		III
Max. current load total	[A]	3

Operating conditions

Ambient temperature	[°C]	-25...90
Note on ambient temperature		cULus: ...80 °C
Ambient temperature (moving)	[°C]	-25...90
Note on ambient temperature (moving)		cULus: ...80 °C
Protection		IP 65; IP 67; IP 68; IP 69K

Mechanical data

Weight	[g]	24.8
Molded-body material		TPU (urethane)
Material nut		brass, nickel-plated
Sealing material		FKM
Drag chain suitability		yes



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Drag chain suitability	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/s ²
	Bending cycles	> 5 Mio.
	Torsional strain	± 180 °/m

Remarks

Pack quantity

1 pcs.

Electrical connection - plug

Connector: 1 x M8, straight; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.3...0.5 Nm



Electrical connection

Cable: 0.3 m, PUR, Halogen-free, black, Ø 3.7 mm; 3 x 0.25 mm² (32 x Ø 0.1 mm)

Connection



Electrical connection - Socket

Connector: 1 x M8, straight; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM; Contacts: gold-plated; Tightening torque: 0.3...0.5 Nm





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Diagrams and graphs

Characteristic curve for derating



- 1 Current [A]
- 2 Ambient temperature [°C]