

EVF510



Connection cable

VDOGH040VAP0020P04STAH040VAP



Application

Special feature	Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability
Application	hygienic and wet areas in the food industry
Free from silicone	yes

Electrical data

Operating voltage	[V]	< 250 AC / < 300 DC
Protection class		II
Max. current load total	[A]	4

Operating conditions

Ambient temperature	[°C]	-25...100
Ambient temperature (moving)	[°C]	0...100
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]	1372.2
Dimensions	[mm]	35.5 x 15.5 x 38
Materials		PP Halogen-free; Sealing: EPDM
Moulded-body material		PP
Material nut		stainless steel (316L/1.4404)

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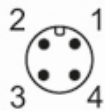
Drag chain suitability	yes	
Drag chain suitability	bending radius for flexible use	min. 10 x cable diameter
	travel speed	max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s ²
	bending cycles	> 1 Mio.
	torsional strain	± 180 °/m

Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12, angled; coding: A; Moulded body: PP; Locking: stainless steel (316L/1.4404); Contacts: gold-plated; Tightening torque: 0.6...1.2 Nm



Electrical connection

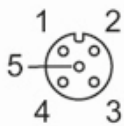
Cable: 20 m, MPPE, Halogen-free, grey, Ø 6.2 mm; 4 x 1.00 mm² (32 x Ø 0.2 mm)

Connection



Electrical connection - socket

Connector: 1 x M12, straight; coding: A; Moulded body: PP; Locking: stainless steel (316L/1.4404); Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm





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Diagrams and graphs

characteristic line for derating



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

T Ambient temperature [°C]

I Current [A]