

Connection cable

VDOGF030SCS0003T03STGH030SCS



Application

System	Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability
Application	welding applications
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: ...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]	100.3
Molded-body material	TPU (urethane)
Material nut	brass, weld coated
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	> 2 Mio.
	Torsional strain	± 180 °/m

Remarks

Remarks	without label holders
Pack quantity	1 pcs.

Electrical connection - plug

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



Electrical connection

Cable: 3 m, PUR, Halogen-free, grey, Ø 4.5 mm; not irradiated (can be recycled); resistant to welding sparks; 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, weld coated; 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]