



Female cordset

ADOAH050SCS0002T05



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]	< 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]	95.2
Dimensions	[mm]	26.5 x 15.5 x 36.5

EVW013



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Molded-body material	TPU (urethane)	
Material nut	brass, weld coated	
Sealing material	FKM	
Drag chain suitability	yes	
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

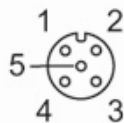
Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PUR, Halogen-free, grey, Ø 5.1 mm; not irradiated (can be recycled); resistant to welding sparks; 5 x 0.34 mm² (42 x Ø 0.1 mm)

Electrical connection - Socket

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



Connection

1	BN
2	WH
3	BU
4	BK
5	GY

Core colors :	
BK =	black
BN =	brown
BU =	blue
GY =	grey
WH =	white

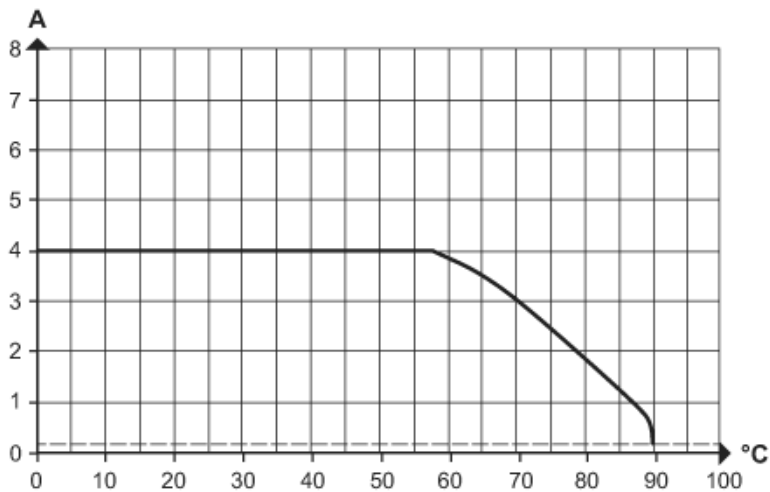
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Diagrams and graphs



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

- X Ambient temperature [°C]
- Y Current [A]