

Connecting cable with socket

ADOAF040VAS0002H04



Application

Special feature	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

Tests / approvals

Vibration resistance	EN 60068-2-6 Fc	20 g (10...3000 Hz) / -20 °C / 50 °C 50 sweep cycles, 1 octave per minute, in 3 axes
Shock resistance	EN 60068-2-27 Ea	100 g 11 ms half sine; 6 shocks each in every direction along the three coordinate axes / -40 °C / 85 °C
Continuous shock resistance	EN 60068-2-29 Eb	40 g 6 ms; 4000 shocks each in every direction of the 3 coordinate axes / -20 °C / 50 °C

EVM032



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Fast temperature change	EN 60068-2-14 Na	TA = -40°C; TB = 85°C; t1 = 30 min; t2 = < 10 s 50 cycles
Salt spray test	EN 60068-2-52 Kb	severity level 5 (4 test cycles)

Mechanical data		
Weight	[g]	54.9
Dimensions	[mm]	19 x 10 x 25.5
Materials	housing: TPU orange; Sealing: FKM	
Material nut	stainless steel (316L/1.4404)	
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	> 5 Mio.
	torsional strain	± 180 °/m

Remarks	
Pack quantity	1 pcs.

Electrical connection
Cable: 2 m, PUR, Halogen-free, black, Ø 3.7 mm; 4 x 0.25 mm ² (32 x Ø 0.1 mm)

Electrical connection - socket
Connector: 1 x M8, angled; coding: A; Locking: stainless steel (316L/1.4404); Contacts: gold-plated; Tightening torque: 0.3...0.5 Nm



Connection	
Core colours : BK = black BN = brown BU = blue WH = white	