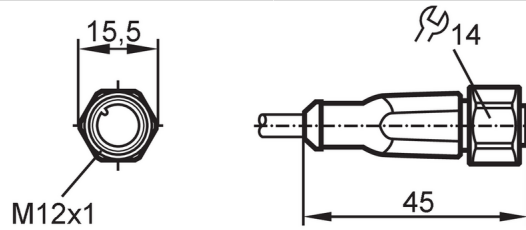




Female cordset

ADOGH050VAS0010H05



Application

Special feature	Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability
Application	applications in particularly harsh environments; for mobile 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]	-40...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

Tests / approvals

Vibration resistance	EN 60068-2-6 Fc	20 g (10...3000 Hz) / -20 °C / 50 °C 50 sweep cycles per frequency; 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
Fast temperature changes	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]	362
Dimensions [mm]	15.5 x 15.5 x 45
Molded-body material	TPU (urethane)

EVM038



Female cordset

ADOGH050VAS0010H05

Material nut	stainless steel (1.4404 / 316L)	
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	> 5 Mio.
	Torsional strain	± 180 °/m

Remarks

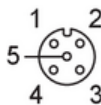
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Cable: 10 m, PUR, Halogen-free, black, Ø 4.9 mm; 5 x 0.34 mm² (42 x Ø 0.1 mm)

Electrical connection - Socket

Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane), orange; Locking: stainless steel (1.4404 / 316L); sealing: FKM; 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

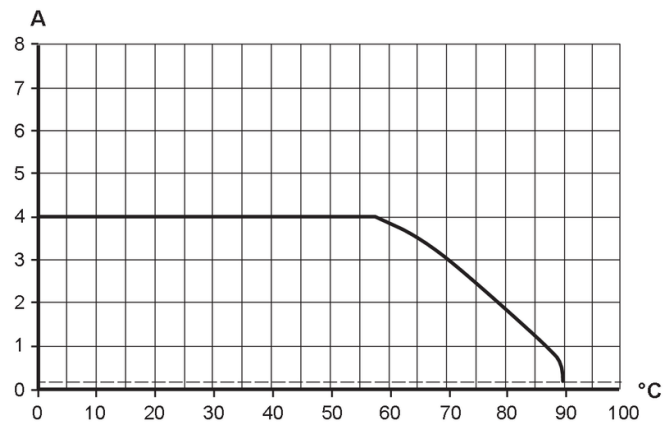
EVM038



Female cordset

ADOGH050VAS0010H05

Diagrams and graphs



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

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