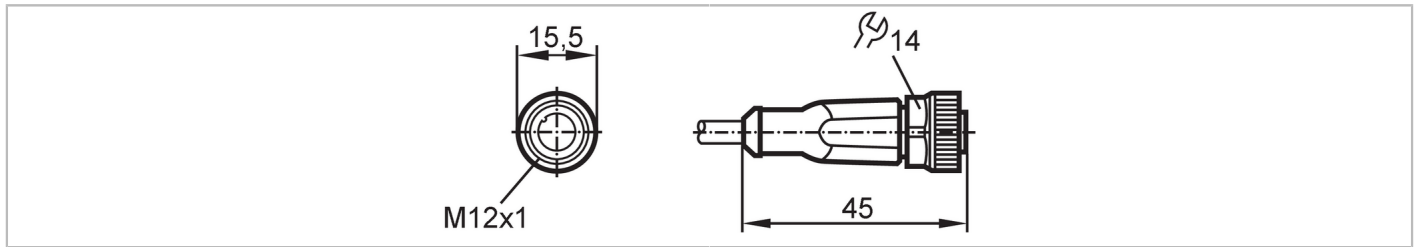


# EVC544



## Female cordset

ADOGH050MSS0002K05



Application		
Special feature	Free from silicone; Halogen-free; gold-plated contacts; screened cable; Drag chain suitability	
Application	Industrial applications; Oils and coolants	
Free from silicone	yes	
Electrical data		
Operating voltage [V]	< 30 AC / < 36 DC	
Protection class	III	
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	
Protection	IP 65; IP 67	
Mechanical data		
Weight [g]	99.7	
Dimensions [mm]	15.5 x 15.5 x 45	
Molded-body material	TPU (urethane)	
Material nut	brass, nickel-plated	
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 <sup>2</sup>
	Bending cycles	≥ 2 Mio.
	Torsional strain	± 180 °/m
Remarks		
Pack quantity	1 pcs.	

# EVC544



## Female cordset

ADOGH050MSS0002K05

### Electrical connection

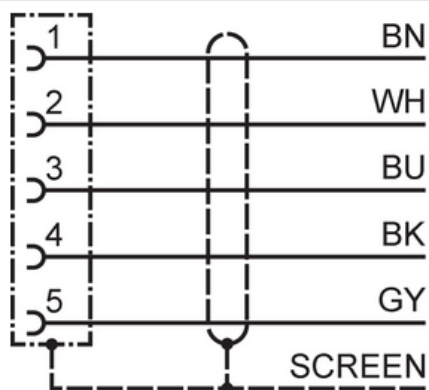
Cable: 2 m, PUR, Halogen-free, black,  $\varnothing$  4.9 mm, screened; 5 x 0.25 mm<sup>2</sup> (32 x  $\varnothing$  0.1 mm )

### Electrical connection - Socket

Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: shield connected



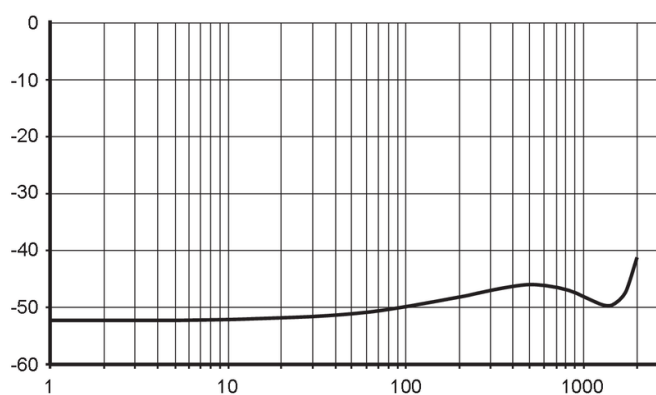
### Connection



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

### Diagrams and graphs

#### Shielding characteristics



x Frequency (MHz)  
y Shielding characteristics (dB)  
according to DIN EN 60512-23-3