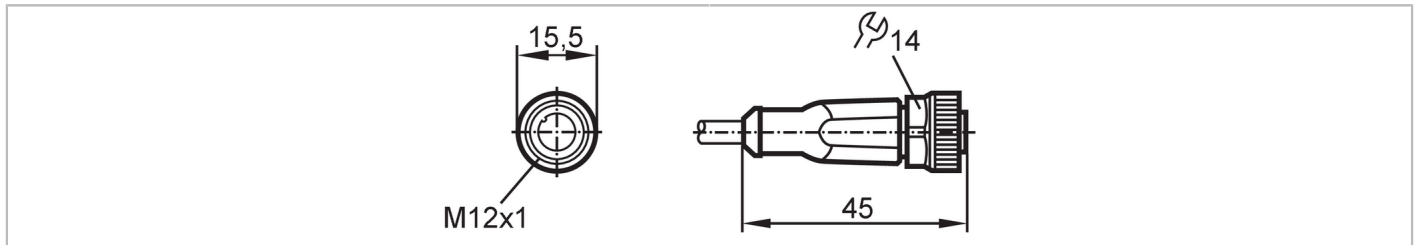


# EVW001



## Female cordset

ADOGH040SCS0002T04



Application									
Special feature	Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability								
Application	welding applications								
Free from silicone	yes								
Electrical data									
Operating voltage [V]	< 250 AC / < 300 DC								
Protection class	II								
Max. current load total [A]	4								
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]	82.2								
Dimensions [mm]	15.5 x 15.5 x 45								
Molded-body material	TPU (urethane)								
Material nut	brass, weld coated								
Sealing material	FKM								
Drag chain suitability	yes								
Drag chain suitability	<table border="0"> <tr> <td>Bending radius for flexible applications</td> <td>min. 10 x cable diameter</td> </tr> <tr> <td>Travel speed</td> <td>max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s<sup>2</sup></td> </tr> <tr> <td>Bending cycles</td> <td>&gt; 2 Mio.</td> </tr> <tr> <td>Torsional strain</td> <td>± 180 °/m</td> </tr> </table>	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
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.								

# EVW001



## Female cordset

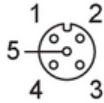
ADOGH040SCS0002T04

### Electrical connection

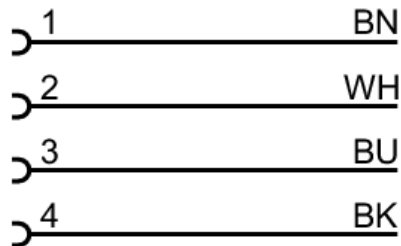
Cable: 2 m, PUR, Halogen-free, grey,  $\varnothing$  4.9 mm; not irradiated (can be recycled); resistant to welding sparks; 4 x 0.34 mm<sup>2</sup> (42 x  $\varnothing$  0.1 mm)

### Electrical connection - Socket

Connector: 1 x M12, straight; coding: A; Contacts: 4, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, weld coated; sealing: FKM; Tightening torque: 0.6...1.5 Nm



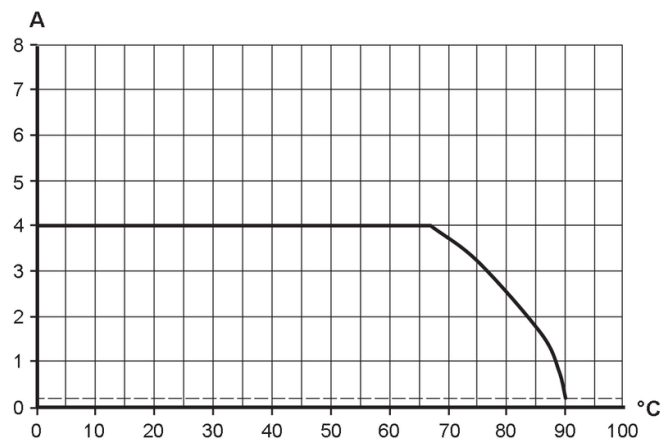
### Connection



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

### Diagrams and graphs

Characteristic curve for derating



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

X Ambient temperature [°C]

Y Current [A]