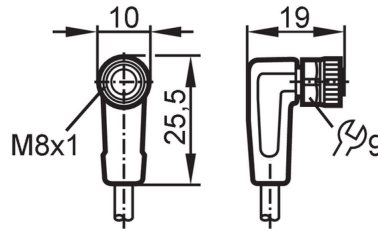


# EVC146



## Connecting cable with socket

ADOAF030MSS0010H03



Application		
Special feature	Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability	
Application	Industrial applications / factory automation; Use in machine tools, coolants and lubricants	
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	
Ambient temperature (moving) [°C]	-25...90	
Note on ambient temperature (moving)	cULus: ...80	
Protection	IP 65; IP 67; IP 68; IP 69K	
Mechanical data		
Weight [g]	206	
Dimensions [mm]	19 x 10 x 25.5	
Moulded-body material	TPU	
Material nut	brass, nickel-plated	
Sealing material	FKM	
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 <sup>2</sup>
	bending cycles	> 5 Mio.
	torsional strain	± 180 °/m
Remarks		
Pack quantity	1 pcs.	

# EVC146



## Connecting cable with socket

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### Electrical connection

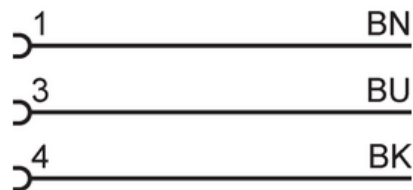
Cable: 10 m, PUR, Halogen-free, black,  $\varnothing$  3.7 mm; 3 x 0.25 mm<sup>2</sup> (32 x  $\varnothing$  0.1 mm )

### Electrical connection - socket

Connector: 1 x M8, angled; coding: A; Contacts: 3, gold-plated; Moulded body: TPU, orange; Locking: brass, nickel-plated; Sealing: FKM; Tightening torque: 0.3...0.5 Nm



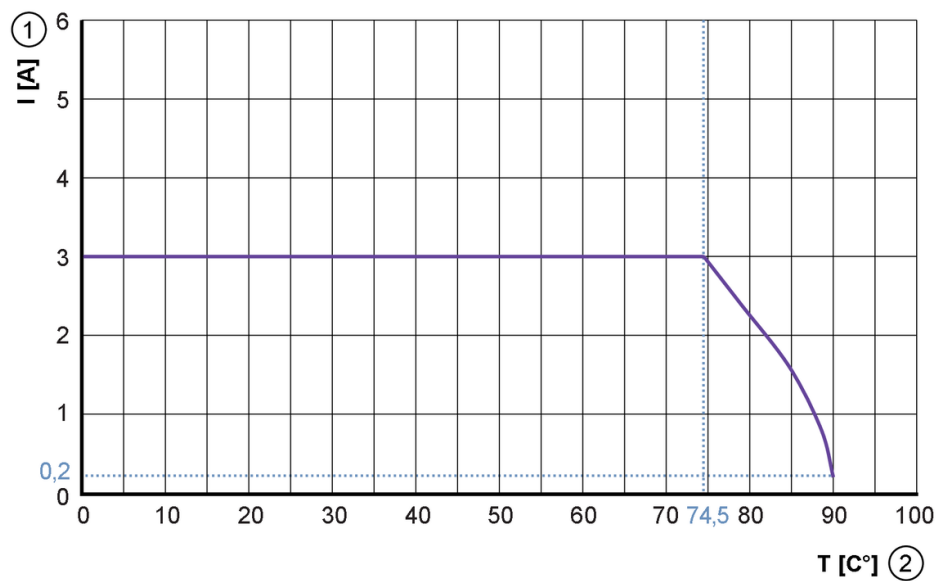
### Connection



Core colours :  
BK = black  
BN = brown  
BU = blue

### Diagrams and graphs

characteristic line for derating



- 1 Current [A]
- 2 Ambient temperature [°C]