

## Connecting cable with socket

ADOAF030MSS0005H03



## 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]             | 110.8                |
| Dimensions [mm]        | 19 x 10 x 25.5       |
| Moulded-body material  | TPU                  |
| Material nut           | brass, nickel-plated |
| Sealing material       | FKM                  |
| Drag chain suitability | yes                  |

# EVC145



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|                        |                                 |                                                                                                |
|------------------------|---------------------------------|------------------------------------------------------------------------------------------------|
| 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.

### Electrical connection

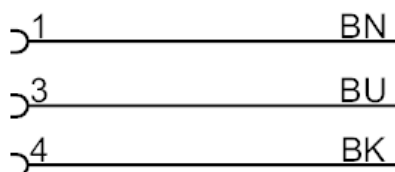
Cable: 5 m, PUR, Halogen-free, black, Ø 3.7 mm; 3 x 0.25 mm<sup>2</sup> (32 x Ø 0.1 mm )

### Electrical connection - socket

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



### Connection



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



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### Diagrams and graphs

characteristic line for derating



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