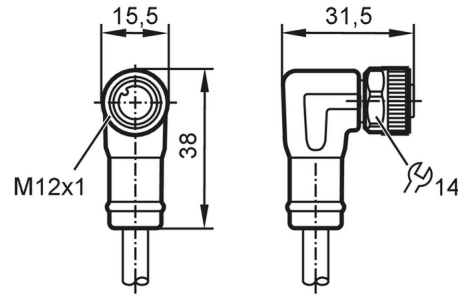


# EVC713



## Female cordset

ADOAH040MSP0010H04



| Application   |  |  |                          |              |  |                |          |                  |           |
|---|--|--|--------------------------|--------------|--|----------------|----------|------------------|-----------|
| Special feature   | Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability   |  |                          |              |  |                |          |                  |           |
| Application   | Industrial applications; Oils and coolants   |  |                          |              |  |                |          |                  |           |
| 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   |  |                          |              |  |                |          |                  |           |
| Ambient temperature (moving) [°C]                               | -25...90   |  |                          |              |  |                |          |                  |           |
| 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]  | 665  |  |                          |              |  |                |          |                  |           |
| Dimensions [mm]   | 31.5 x 15.5 x 38   |  |                          |              |  |                |          |                  |           |
| Molded-body material  | TPU (urethane)   |  |                          |              |  |                |          |                  |           |
| Material nut  | brass, nickel-plated   |  |                          |              |  |                |          |                  |           |
| Sealing material  | FKM  |  |                          |              |  |                |          |                  |           |
| Drag chain suitability  | yes  |  |                          |              |  |                |          |                  |           |
| Drag chain suitability  | <table border="1"> <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; 5 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 | > 5 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  | > 5 Mio.   |  |                          |              |  |                |          |                  |           |
| Torsional strain  | ± 180 °/m  |  |                          |              |  |                |          |                  |           |
| Remarks   |  |  |                          |              |  |                |          |                  |           |
| Pack quantity   | 1 pcs.   |  |                          |              |  |                |          |                  |           |

# EVC713



## Female cordset

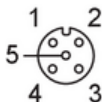
ADOAH040MSP0010H04

### Electrical connection

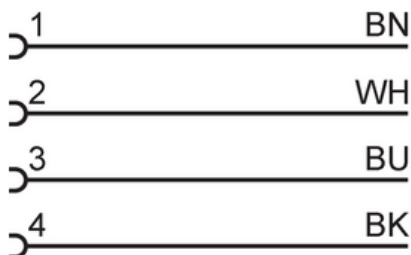
Cable: 10 m, PUR, Halogen-free, black, Ø 6.2 mm; 4 x 1.00 mm<sup>2</sup> (32 x Ø 0.2 mm )

### Electrical connection - Socket

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



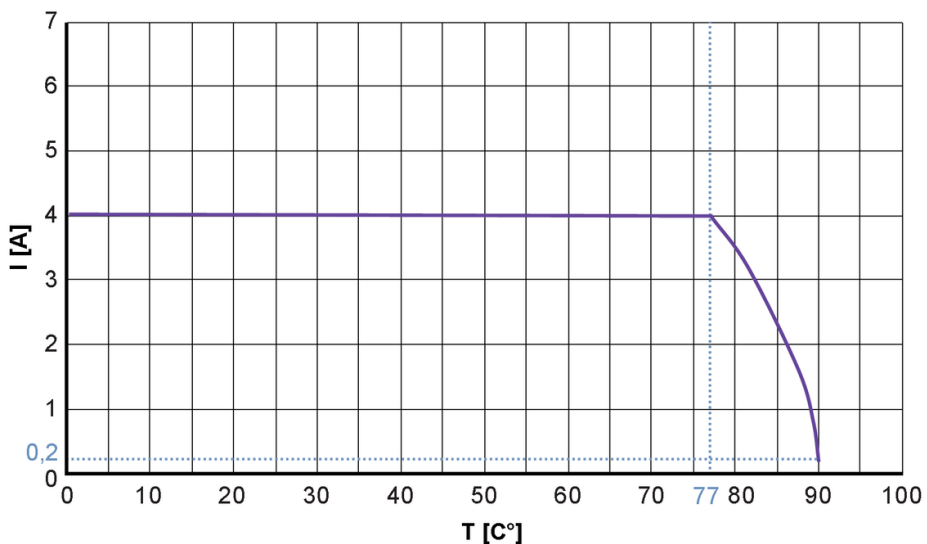
### Connection



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)

T Ambient temperature [°C]

I Current [A]