

# EVC701



## All male cordsets

ASTGF030MSS02,5H03



### Application

|                    |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| System             | 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] | < 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: ...85                |
| Ambient temperature (moving)         | [°C] | -25...90                    |
| Note on ambient temperature (moving) |      | cULus: ...85                |
| Protection                           |      | IP 65; IP 67; IP 68; IP 69K |

### Mechanical data

|                        |      |                      |
|------------------------|------|----------------------|
| Weight                 | [g]  | 62.3                 |
| Dimensions             | [mm] | 10 x 10 x 36         |
| Molded-body material   |      | TPU (urethane)       |
| Material nut           |      | brass, nickel-plated |
| Drag chain suitability |      | yes                  |

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|                        |                                          |                                                                                                |
|------------------------|------------------------------------------|------------------------------------------------------------------------------------------------|
| 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                           | > 5 Mio.                                                                                       |
|                        | Torsional strain                         | ± 180 °/m                                                                                      |

### Remarks

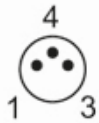
|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection

Cable: 2.5 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 - plug

Connector: 1 x M8, straight; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.3...0.5 Nm



### Connection

|   |    |
|---|----|
| 1 | BN |
| 3 | BU |
| 4 | BK |

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



### Diagrams and graphs

Characteristic curve for derating



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