

## Female cordset

ADOAF030VAS0010H03



## Application

|                    |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| System             | Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability |
| 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 |

## Tests / approvals

|                             |                  |                                                                                                          |
|-----------------------------|------------------|----------------------------------------------------------------------------------------------------------|
| Vibration resistance        | EN 60068-2-6 Fc  | 20 g (10...3000 Hz) / -20 °C / 50 °C                                                                     |
|                             |                  | 50 sweep cycles per frequency; 1 octave per minute in 3 axes                                             |
| Shock resistance            | EN 60068-2-27 Ea | 100 g 11 ms half-sine; 6 shocks each in every direction along the three coordinate axes / -40 °C / 85 °C |
| Continuous shock resistance | EN 60068-2-29 Eb | 40 g 6 ms; 4000 shocks each in every direction of the 3 coordinate axes / -20 °C / 50 °C                 |

# EVM026



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|                          |                  |                                                           |
|--------------------------|------------------|-----------------------------------------------------------|
| Fast temperature changes | EN 60068-2-14 Na | TA = -40°C; TB = 85°C; t1 = 30 min; t2 = < 10 s 50 cycles |
| Salt spray test          | EN 60068-2-52 Kb | severity level 5 (4 test cycles)                          |

### Mechanical data

|                        |                                              |                                                                                                |
|------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------|
| Weight                 | [g]                                          | 201.2                                                                                          |
| Dimensions             | [mm]                                         | 19 x 10 x 25.5                                                                                 |
| Material               | housing: TPU (urethane) orange; sealing: FKM |                                                                                                |
| Material nut           | stainless steel (1.4404 / 316L)              |                                                                                                |
| Drag chain suitability | yes                                          |                                                                                                |
| 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

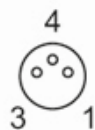
|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection

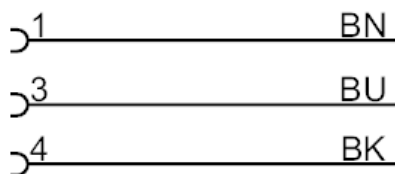
Cable: 10 m, PUR, Halogen-free, black, Ø 3.7 mm; 3 x 0.25 mm<sup>2</sup> (32 x Ø 0.1 mm )

### Electrical connection - Socket

Connector: 1 x M8, angled; coding: A; Locking: stainless steel (1.4404 / 316L); Contacts: gold-plated; Tightening torque: 0.3...0.5 Nm



### Connection



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