

## Connecting cable with socket

ADOGF040VAS0015H04



## Application

|                    |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| Special feature    | 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<br>50 sweep cycles, 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                 |

# EVM031



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|                         |                  |                                                           |
|-------------------------|------------------|-----------------------------------------------------------|
| Fast temperature change | 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]                               | 318.3                                                                                          |
| Dimensions             | [mm]                              | 10 x 10 x 31                                                                                   |
| Materials              | housing: TPU orange; Sealing: FKM |                                                                                                |
| Material nut           | stainless steel (316L/1.4404)     |                                                                                                |
| 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. |

| Electrical connection                                                                      |
|--------------------------------------------------------------------------------------------|
| Cable: 15 m, PUR, Halogen-free, black, Ø 3.7 mm; 4 x 0.25 mm <sup>2</sup> (32 x Ø 0.1 mm ) |

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



| Connection     |                                                                                                                                                                 |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | <div> <div>1</div> <div>BN</div> </div> <div> <div>2</div> <div>WH</div> </div> <div> <div>3</div> <div>BU</div> </div> <div> <div>4</div> <div>BK</div> </div> |
| Core colours : |                                                                                                                                                                 |
| BK =           | black                                                                                                                                                           |
| BN =           | brown                                                                                                                                                           |
| BU =           | blue                                                                                                                                                            |
| WH =           | white                                                                                                                                                           |