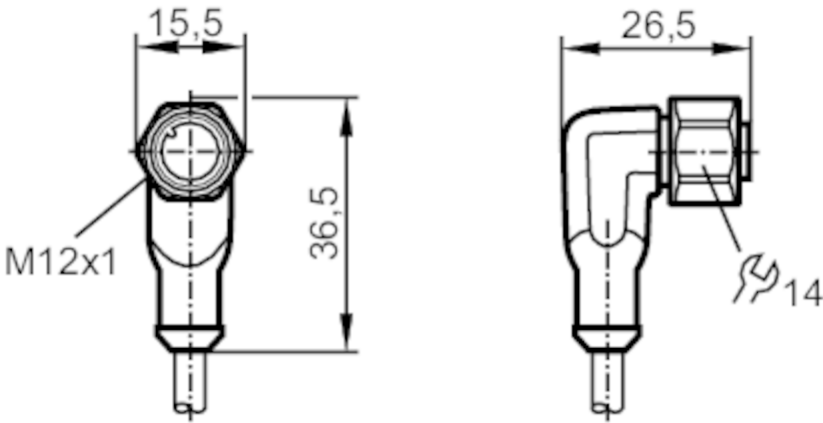


# EVM040



## Female cordset

ADOAH050VAS0005H05



| Application                                                     |      |                                                                                |
|-----------------------------------------------------------------|------|--------------------------------------------------------------------------------|
| System                                                          |      | Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability |
| Application                                                     |      | applications in particularly harsh environments                                |
| Free from silicone                                              |      | yes                                                                            |
| Electrical data                                                 |      |                                                                                |
| Operating voltage                                               | [V]  | < 50 AC / < 60 DC                                                              |
| Protection class                                                |      | II                                                                             |
| Max. current load total                                         | [A]  | 4                                                                              |
| Overall current rating (UL)                                     | [A]  | 3                                                                              |
| Operating conditions                                            |      |                                                                                |
| Ambient temperature                                             | [°C] | -40...90                                                                       |
| Note on ambient temperature                                     |      | cULus: ...75                                                                   |
| Ambient temperature (moving)                                    | [°C] | -25...90                                                                       |
| Note on ambient temperature (moving)                            |      | cULus: ...75                                                                   |
| 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                                                    |

# EVM040



## Female cordset

ADOAH050VAS0005H05

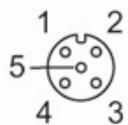
| Tests / approvals           |                  |                                                                                                          |
|-----------------------------|------------------|----------------------------------------------------------------------------------------------------------|
| Vibration resistance        | EN 60068-2-6 Fc  | 20 g (10...3000 Hz) / -20 °C / 50 °C<br>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                 |
| 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]                                          | 189.9                                                                                          |
| Dimensions             | [mm]                                         | 26.5 x 15.5 x 36.5                                                                             |
| 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: 5 m, PUR, Halogen-free, black, Ø 4.9 mm; 5 x 0.34 mm <sup>2</sup> (42 x Ø 0.1 mm ) |

| Electrical connection - Socket                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------|
| Connector: 1 x M12, angled; coding: A; Locking: stainless steel (1.4404 / 316L); Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm |

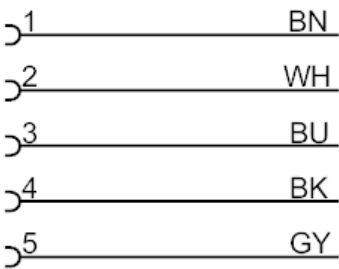




Female cordset

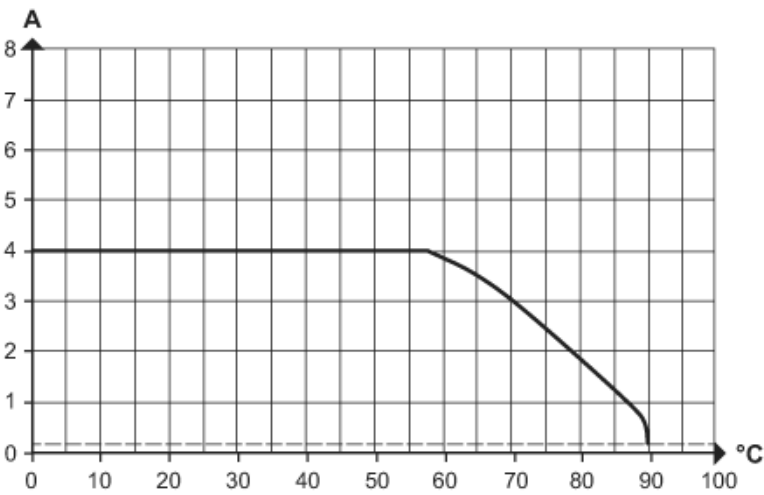
ADOAH050VAS0005H05

Connection



Core colors :  
BK = black  
BN = brown  
BU = blue  
GY = grey  
WH = white

Diagrams and graphs



Derating I<sub>max</sub> \* 0.8 DIN EN 60512-5-2

X Ambient temperature [°C]  
Y Current [A]