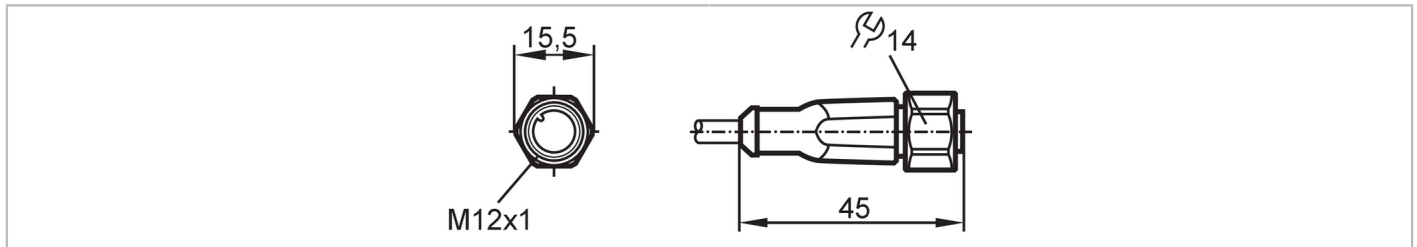


EVM002



Female cordset

ADOGH040VAS0005H04



| Application | | |
|---|--|--|
| Special feature | Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability | |
| Application | applications in particularly harsh environments; for mobile applications | |
| 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] | -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 | |
| 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 |
| 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] | 177.2 | |
| Dimensions [mm] | 15.5 x 15.5 x 45 | |
| Molded-body material | TPU (urethane) | |
| Material nut | stainless steel (1.4404 / 316L) | |

EVM002



Female cordset

ADOGH040VAS0005H04

| | |
|------------------------|--|
| Sealing material | FKM |
| 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 ² |
| | Bending cycles |
| | > 5 Mio. |
| | Torsional strain |
| | ± 180 °/m |

Remarks

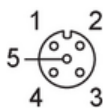
| | |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

Electrical connection

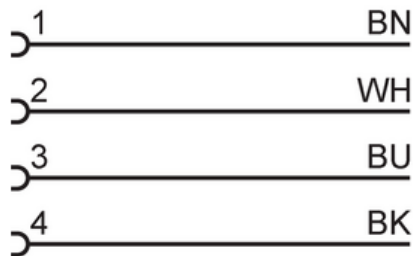
Cable: 5 m, PUR, Halogen-free, black, Ø 4.9 mm; 4 x 0.34 mm² (42 x Ø 0.1 mm)

Electrical connection - Socket

Connector: 1 x M12, straight; coding: A; Contacts: 4, gold-plated; Moulded body: TPU (urethane), orange; Locking: stainless steel (1.4404 / 316L); sealing: FKM; Tightening torque: 0.6...1.5 Nm



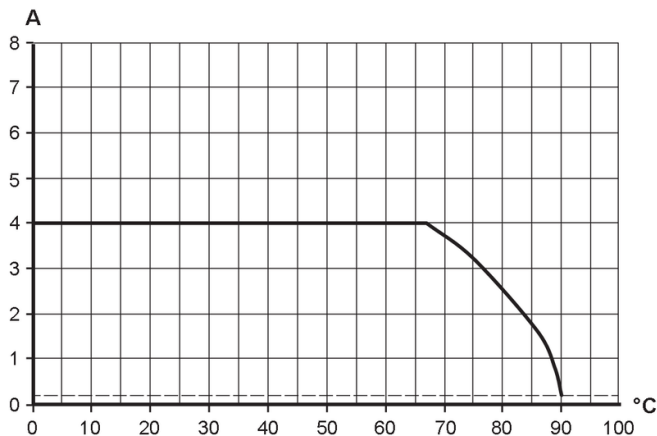
Connection



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)

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