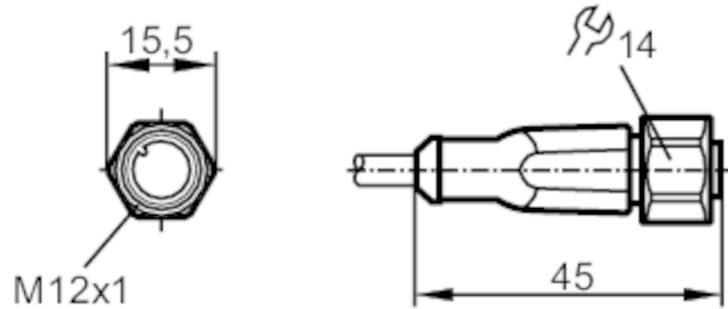


EVM078



Connecting cable with socket

ADOGH040VAS0010C04



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

EVM078



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| | | |
|-----------------------------|------------------|--|
| 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 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] | 407.9 |
| Dimensions | [mm] | 15.5 x 15.5 x 45 |
| Moulded-body material | | TPU |
| Material nut | | stainless steel (316L/1.4404) |
| Sealing material | | FKM |
| 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 ² |
| | bending cycles | > 2 Mio. |
| | torsional strain | ± 180 °/m |

Remarks

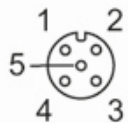
| | |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

Electrical connection

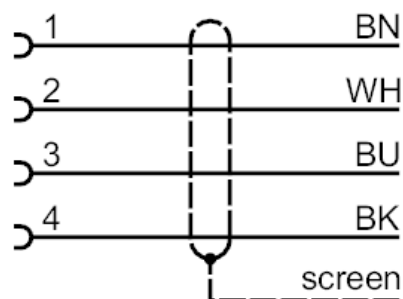
Cable: 10 m, PUR, Halogen-free, black, Ø 4.9 mm, shielded; 4 x 0.34 mm² (42 x Ø 0.1 mm)

Electrical connection - socket

Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: stainless steel (316L/1.4404); Sealing: FKM; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen not connected



Connection



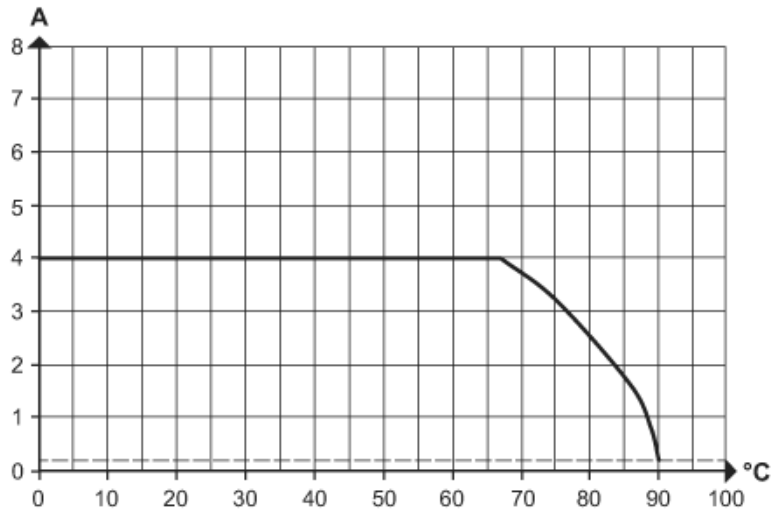


Connecting cable with socket

ADOGH040VAS0010C04

Diagrams and graphs

characteristic line for derating



Derating $I_{max} * 0.8$ (DIN EN 60512-5-2)

X Ambient temperature [°C]

Y Current [A]