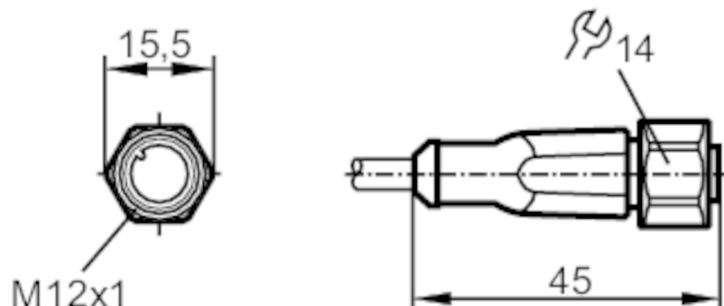


EVM036



Connecting cable with socket

ADOGH050VAS0002H05



| Application | |
|---|--|
| Special feature | 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] | < 60 AC/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 °C |
| Ambient temperature (moving) [°C] | -25...90 |
| Note on ambient temperature (moving) | cULus: ...75 °C |
| 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 |

EVM036



Connecting cable with socket

ADOGH050VAS0002H05

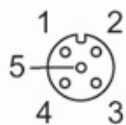
| Tests / approvals | | |
|-----------------------------|------------------|--|
| Vibration resistance | EN 60068-2-6 Fc | 20 g (10...3000 Hz) / -20 °C / 50 °C 50 sweep cycles, 1 octave per minute, in 3 axes |
| Shock resistance | EN 60068-2-27 Ea | 100 g 11 ms half-sine; 6 shocks each in every direction along the three coordinate axes / -40 °C / 85 °C |
| 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] | 443 | |
| Dimensions [mm] | 15.5 x 15.5 x 45 | |
| Moulded-body material | TPU | |
| Material nut | stainless steel (1.4404 / 316L) | |
| 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 | > 5 Mio. |
| | torsional strain | ± 180 °/m |

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

| Electrical connection | |
|---|--|
| Cable: 2 m, PUR, Halogen-free, black, Ø 4.9 mm; 5 x 0.34 mm ² (42 x Ø 0.1 mm) | |

| Electrical connection - socket | |
|---|--|
| Connector: 1 x M12, straight; Moulded body: TPU, orange; Locking: stainless steel (1.4404 / 316L); Sealing: FKM; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm | |

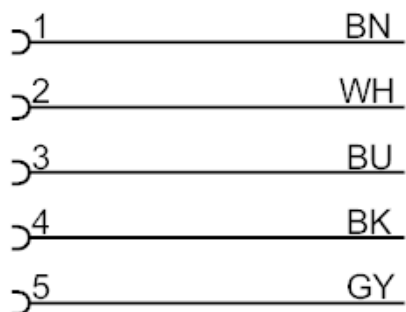




Connecting cable with socket

ADOGH050VAS0002H05

Connection



Core colours :

| | |
|------|-------|
| BK = | black |
| BN = | brown |
| BU = | blue |
| GY = | grey |
| WH = | white |

Diagrams and graphs



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

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