



Connecting cable with plug

ASTAH050MSS0002H05

Please see the technical note under "Downloads"



| Application   |      |  |
|---|------|--|
| Special feature   |      | Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability |
| 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] | -25...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  |
| Mechanical data   |      |  |
| Weight  | [g]  | 90.6   |



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|                        |                                 |  |
|------------------------|---------------------------------|--|
| Dimensions             | [mm]                            | 30.5 x 15.5 x 36.5   |
| Materials              |                                 | housing: TPU orange  |
| Material nut           |                                 | brass, nickel-plated   |
| 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

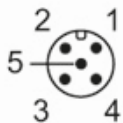
|               |   |
|---------------|---|
| Notes         | Please see the technical note under "Downloads" |
| Pack quantity | 1 pcs.  |

## Electrical connection

Cable: 2 m, PUR, Halogen-free, black, Ø 4.6 mm; 5 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

## Electrical connection - plug

Connector: 1 x M12, angled; coding: A; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm



## Connection

|   |    |
|---|----|
| 1 | BN |
| 2 | WH |
| 3 | BU |
| 4 | BK |
| 5 | GY |

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



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### Diagrams and graphs



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

X Ambient temperature [°C]

Y Current [A]