



All male cordsets

ASTGH050MSS0010H05

Please see the technical note under "Downloads"



| Application                                                     |      |                                                                                |
|-----------------------------------------------------------------|------|--------------------------------------------------------------------------------|
| System                                                          |      | Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability |
| Application                                                     |      | Industrial applications; Oils and coolants                                     |
| 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                                                                   |
| 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                                                    |

# EVC343



## All male cordsets

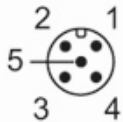
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| Mechanical data        |                                          |                                                                                    |
|------------------------|------------------------------------------|------------------------------------------------------------------------------------|
| Weight                 | [g]                                      | 364                                                                                |
| Dimensions             | [mm]                                     | 15.5 x 15.5 x 49.5                                                                 |
| Molded-body material   |                                          | TPU (urethane)                                                                     |
| Material nut           |                                          | brass, nickel-plated                                                               |
| 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/s² |
|                        | Bending cycles                           | > 5 Mio.                                                                           |
|                        | Torsional strain                         | ± 180 °/m                                                                          |

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

| Electrical connection                                                          |
|--------------------------------------------------------------------------------|
| Cable: 10 m, PUR, Halogen-free, black, Ø 4.6 mm; 5 x 0.34 mm² (42 x Ø 0.1 mm ) |

| Electrical connection - plug                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connector: 1 x M12, straight; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm |



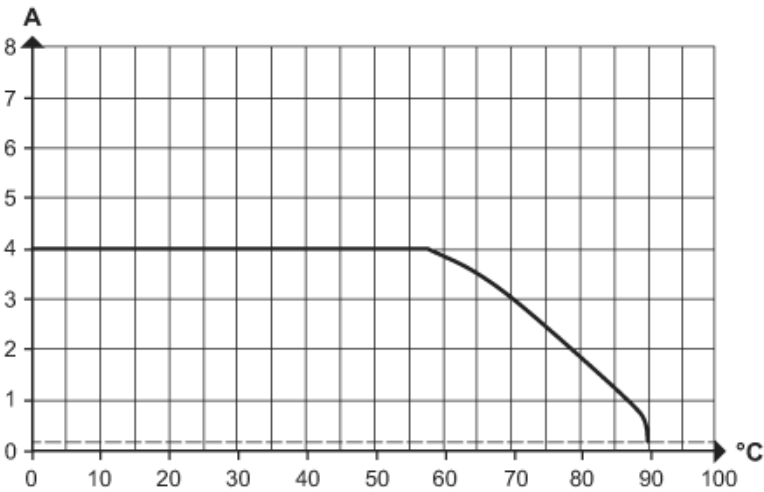
| Connection |                                                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------|
|            | <div><div></div>1BN</div> <div><div></div>2WH</div> <div><div></div>3BU</div> <div><div></div>4BK</div> <div><div></div>5GY</div> |
| BK =       | Core colors :                                                                                                                     |
| BN =       | black                                                                                                                             |
| BU =       | brown                                                                                                                             |
| GY =       | blue                                                                                                                              |
| WH =       | grey                                                                                                                              |
|            | white                                                                                                                             |



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Diagrams and graphs



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

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