

## Female cordset

ADOGH040MSS0005K04



## Application

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

## Electrical data

|                             |                   |
|-----------------------------|-------------------|
| Operating voltage [V]       | < 50 AC / < 60 DC |
| Protection class            | III               |
| Max. current load total [A] | 4                 |

## 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 |
| Protection                           | IP 65; IP 67 |

## Mechanical data

|                        |                      |
|------------------------|----------------------|
| Weight [g]             | 215.4                |
| Dimensions [mm]        | 15.5 x 15.5 x 45     |
| Molded-body material   | TPU (urethane)       |
| Material nut           | brass, nickel-plated |
| Sealing material       | FKM                  |
| Drag chain suitability | yes                  |

# EVC539



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|                        |                                          |                                                                                                |
|------------------------|------------------------------------------|------------------------------------------------------------------------------------------------|
| 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 <sup>2</sup> |
|                        | Bending cycles                           | ≥ 2 Mio.                                                                                       |
|                        | Torsional strain                         | ± 180 °/m                                                                                      |

### Remarks

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

### Electrical connection

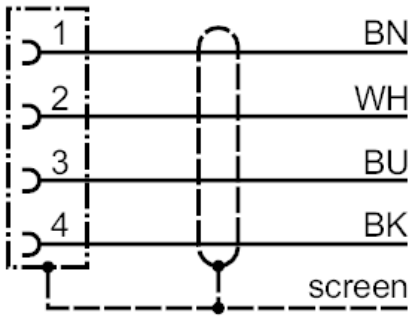
Cable: 5 m, PUR, Halogen-free, black, Ø 4.9 mm, screened; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Electrical connection - Socket

Connector: 1 x M12, straight; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM;  
Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: shield connected



### Connection



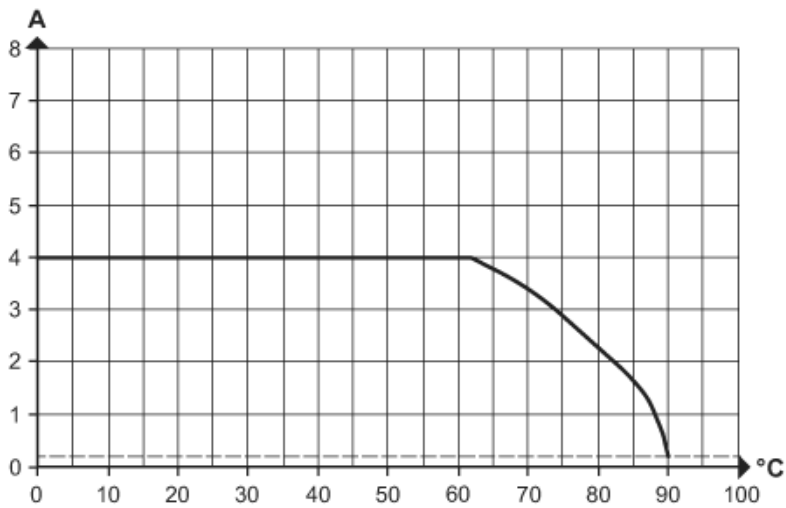
|      |               |
|------|---------------|
|      | Core colors : |
| BK = | black         |
| BN = | brown         |
| BU = | blue          |
| WH = | white         |



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Diagrams and graphs

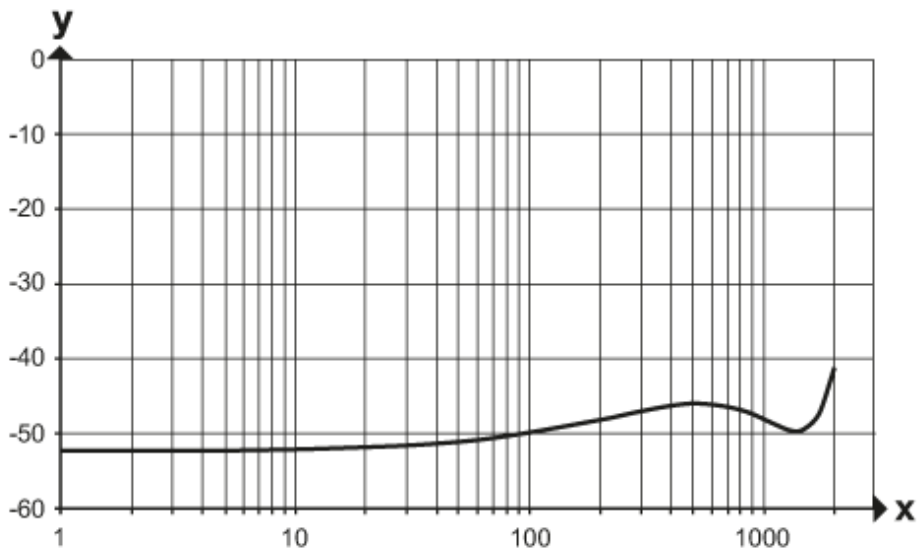


Derating I<sub>max</sub> \* 0.8 DIN EN 60512-5-2

X Ambient temperature [°C]

Y Current [A]

Shielding characteristics



x Frequency (MHz)

y Shielding characteristics (dB)

according to DIN EN 60512-23-3