

**Part no.: 50133867**  
**KDS S-M12-5A-M12-5A-P1-006-3DP**  
**Interconnection cable**



Figure can vary

## Contents

- Technical data
- Electrical connection

**Technical data**

| <b>Connection</b>                            |  |
|--|--|
| <b>Connection 1</b>                          |  |
| Type of connection                           | Connector  |
| Thread size                                  | M12  |
| Type   | Female   |
| No. of pins                                  | 5 -pin   |
| Encoding                                     | A-coded  |
| Design                                       | Axial  |
| Connector, LED                               | Yes  |
| <b>Connection 2</b>                          |  |
| Type of connection                           | Connector  |
| Thread size                                  | M12  |
| Type   | Male   |
| No. of pins                                  | 5 -pin   |
| Encoding                                     | A-coded  |
| Design                                       | Axial  |
| <b>Cable properties</b>                      |  |
| Number of conductors                         | 5 Piece(s)   |
| Wire cross section                           | 0.34 mm <sup>2</sup>   |
| AWG  | 22   |
| Sheathing color                              | Black  |
| Shielded                                     | Yes  |
| Silicone-free                                | Yes  |
| Cable design                                 | Interconnection cable  |
| Cable diameter (external)                    | 5.6 mm   |
| Cable length                                 | 600 mm   |
| Sheathing material                           | PUR  |
| Wire insulation                              | PUR  |
| Traverse rate                                | Max. 3.3 m/s with horiz. traverse path of 5m and and max. accelera-<br>tion of 5m/s <sup>2</sup>   |
| Suitability for drag chains                  | Yes  |
| Properties of the outer sheathing            | Free of CFC, cadmium, silicone, halogen and lead, matt, low-<br>adhesion, abrasion-resistant, easily machine-processable   |
| Resistance of the outer sheathing            | Hydrolysis and microbe resistant, good oil, gasoline and chemical<br>resistance in accordance with VDE 0472 part 803 test B, flame re-<br>tardant in accordance with UL 1581 VW1 / CSA FT1 / IEC 60332-1,<br>IEC 60332-2-2 |
| Torsion suitability                          | ±30° / m (max. 2 mio. cycles with 35 cycles / min)   |
| <b>Mechanical data</b>                       |  |
| Width across flats                           | 13 mm  |
| Bending cycles                               | 5,000,000 Piece(s)   |
| Bending radius, flexible laying, min.        | Min. 10 x cable diameter   |
| Bending radius, stationary laying, min.      | Min. 5 x cable diameter  |
| <b>Operation and display</b>                 |  |
| Number of LEDs                               | 3 Piece(s)   |
| <b>Environmental data</b>                    |  |
| Ambient temperature, operation, flexible use | -25 ... 80 °C  |

## Part no.: 50133867 – KDS S-M12-5A-M12-5A-P1-006-3DP – Interconnection

|  |               |
|--|---------------|
| Ambient temperature, operation, stationary use | -40 ... 80 °C |
|--|---------------|

### Certifications

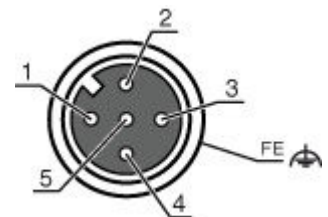
|                      |                |
|----------------------|----------------|
| Degree of protection | IP 65<br>IP 67 |
| Certifications       | c UL US        |

### Classification

|                       |          |
|-----------------------|----------|
| Customs tariff number | 85444290 |
| eCl@ss 8.0            | 27279218 |
| eCl@ss 9.0            | 27060311 |
| ETIM 5.0              | EC001855 |
| ETIM 6.0              | EC001855 |

## Electrical connection

| Connection 1       |           |
|--------------------|-----------|
| Type of connection | Connector |
| Thread size        | M12       |
| Type               | Female    |
| No. of pins        | 5 -pin    |
| Encoding           | A-coded   |
| Design             | Axial     |
| Connector, LED     | Yes       |



| Connection 2         |           |
|----------------------|-----------|
| Type of connection   | Connector |
| Thread size          | M12       |
| Type                 | Male      |
| Handle body material |           |
| No. of pins          | 5 -pin    |
| Encoding             | A-coded   |
| Design               | Axial     |
| Lock                 |           |

