

## Technical data sheet

### Connection cable

Part no.: 50130661

KD U-M12-3A-V1-050-DP

#### Contents

- Technical data
- Electrical connection



Figure can vary



## Technical data

### Electrical data

#### Performance data

|                   |              |
|-------------------|--------------|
| Operating voltage | 24 V DC ±25% |
|-------------------|--------------|

### Connection

#### Connection 1

|                      |                                                                                    |
|----------------------|------------------------------------------------------------------------------------|
| Type of connection   | Connector                                                                          |
| Thread size          | M12                                                                                |
| Type                 | Female                                                                             |
| Handle body material | PUR                                                                                |
| No. of pins          | 3 -pin                                                                             |
| Design               | Axial                                                                              |
| Connector, LED       | Yes                                                                                |
| Lock                 | Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking |

#### Connection 2

|                    |          |
|--------------------|----------|
| Type of connection | Open end |
|--------------------|----------|

#### Cable properties

|                                   |                                                                                                      |
|-----------------------------------|------------------------------------------------------------------------------------------------------|
| Number of conductors              | 3 Piece(s)                                                                                           |
| Wire cross section                | 0.34 mm <sup>2</sup>                                                                                 |
| AWG                               | 22                                                                                                   |
| Sheathing color                   | Black                                                                                                |
| Shielded                          | No                                                                                                   |
| Silicone-free                     | Yes                                                                                                  |
| Cable design                      | Connection cable (open on one end)                                                                   |
| Cable diameter (external)         | 4.6 mm                                                                                               |
| Cable length                      | 5,000 mm                                                                                             |
| Sheathing material                | PVC                                                                                                  |
| Wire insulation                   | PVC                                                                                                  |
| Suitability for drag chains       | No                                                                                                   |
| Properties of the outer sheathing | Free of CFC, cadmium, silicone and lead, easily machine-processable                                  |
| Resistance of the outer sheathing | Good oil, gasoline and chemical resistance, flame retardant in accordance with UL 1581 VW1 / CSA FT1 |

### Mechanical data

|                                         |                          |
|-----------------------------------------|--------------------------|
| Width across flats                      | 13 mm                    |
| Bending radius, flexible laying, min.   | Min. 10 x cable diameter |
| Bending radius, stationary laying, min. | Min. 5 x cable diameter  |

### Operation and display

|                |            |
|----------------|------------|
| Number of LEDs | 1 Piece(s) |
|----------------|------------|

### Environmental data

|                                                |               |
|------------------------------------------------|---------------|
| Ambient temperature, operation, flexible use   | -5 ... 80 °C  |
| Ambient temperature, operation, stationary use | -30 ... 80 °C |

### Certifications

|                      |         |
|----------------------|---------|
| Degree of protection | IP 65   |
|                      | 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

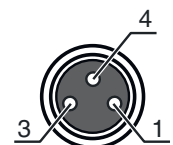
### Connection 1

|                      |                                                                                    |
|----------------------|------------------------------------------------------------------------------------|
| Type of connection   | Connector                                                                          |
| Thread size          | M12                                                                                |
| Type                 | Female                                                                             |
| Handle body material | PUR                                                                                |
| No. of pins          | 3 -pin                                                                             |
| Design               | Axial                                                                              |
| Connector, LED       | Yes                                                                                |
| Lock                 | Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking |

### Pin

|   |       |
|---|-------|
| 1 | Brown |
| 3 | Blue  |
| 4 | Black |

### Conductor color



Electrical connection

Connection 2

|                    |          |
|--------------------|----------|
| Type of connection | Open end |
|--------------------|----------|