

Technical data sheet

Connection cable

Part no.: 50139769

KD U-M12-CA-P1-020

Contents

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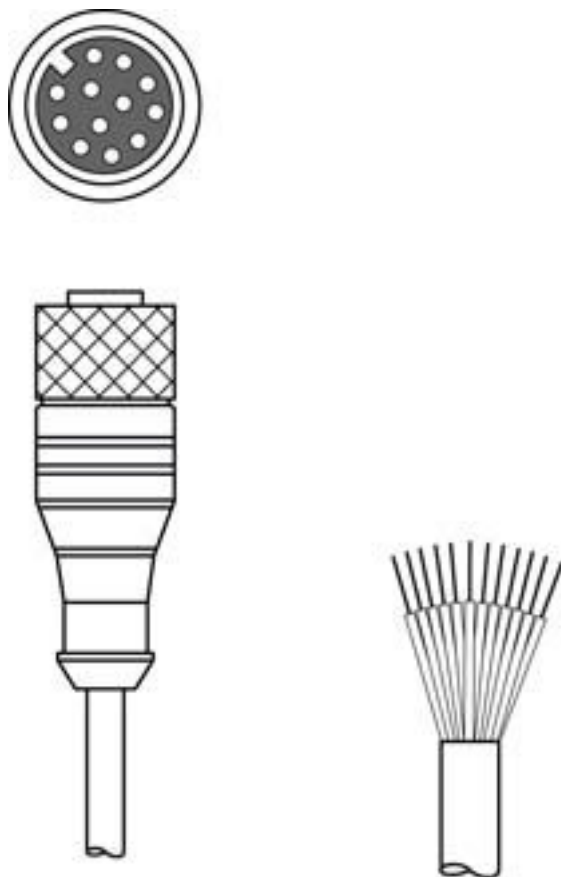


Figure can vary



Technical data

Electrical data

Performance data

Operating voltage Max. 30 V AC/DC

Connection

Connection 1

| | |
|-------------------------------|--|
| Type of connection | Connector |
| Thread size | M12 |
| Type | Female |
| Handle body material | PUR |
| No. of pins | 12 -pin |
| Encoding | A-coded |
| Version | Axial |
| Operating current per contact | 1.5 A |
| 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 | 12 Piece(s) |
| Wire cross section | 0.14 mm ² |
| AWG | 26 |
| Sheathing color | Black |
| Shielded | No |
| Silicone-free | Yes |
| Cable design | Connection cable (open on one end) |
| Cable diameter (external) | 6 mm |
| Cable length | 2,000 mm |
| Sheathing material | PUR |
| Wire insulation | PP |
| Suitability for drag chains | Yes |
| Traverse rate | Max. 3.3 m/s with horiz. traverse path of 5m and and max. acceleration of 5m/s ² |
| Properties of the outer sheathing | Free of CFC, cadmium, silicone, halogen and lead, matt, low-adhesion, abrasion-resistant, easily machine-processable |
| Resistance of the outer sheathing | Hydrolysis and microbe resistant, good oil, gasoline and chemical resistance in accordance with VDE 0472 part 803 test B, flame retardant in accordance with UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 |

Mechanical data

| | |
|---|--------------------------|
| Width across flats | 13 mm |
| Bending cycles | 2,000,000 Piece(s) |
| Bending radius, flexible laying, min. | Min. 10 x cable diameter |
| Bending radius, stationary laying, min. | Min. 5 x cable diameter |

Environmental data

| | |
|--|---------------|
| Ambient temperature, operation, flexible use | -25 ... 85 °C |
| Ambient temperature, operation, stationary use | -40 ... 85 °C |

Certifications

| | |
|----------------------|-------|
| Degree of protection | IP 67 |
| Certifications | UL |

Classification

| | |
|-----------------------|----------|
| Customs tariff number | 85444290 |
| eCl@ss 5.1.4 | 27279201 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |
| eCl@ss 10.0 | 27060311 |
| eCl@ss 11.0 | 27060311 |
| ETIM 5.0 | EC001855 |
| ETIM 6.0 | EC001855 |
| ETIM 7.0 | EC001855 |

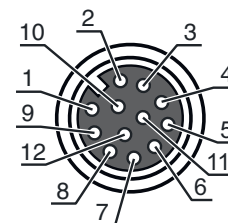
Electrical connection

Connection 1

| | |
|-------------------------------|--|
| Type of connection | Connector |
| Thread size | M12 |
| Type | Female |
| Handle body material | PUR |
| No. of pins | 12 -pin |
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Electrical connection

| Pin | Conductor color |
|-----|-----------------|
| 1 | Brown |
| 2 | Blue |
| 3 | White |
| 4 | Green |
| 5 | Pink |
| 6 | Yellow |
| 7 | Black |
| 8 | Gray |
| 9 | Red |
| 10 | Violet |
| 11 | Gray |
| | Pink |
| 12 | Blue |
| | Red |



Connection 2

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

Circuit diagrams

Wiring schematic

