

Technical data sheet

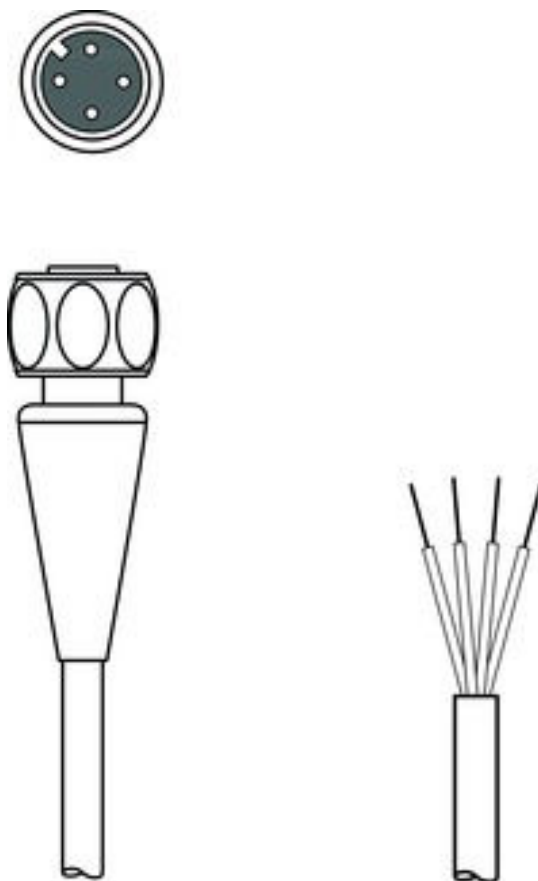
Connection cable

Part no.: 50148351

KD U-M12-4A-T0-100 F+B

Contents

- Technical data
- Electrical connection
- Circuit diagrams
- Accessories



For illustration purposes only



Technical data

Basic data

| | |
|-------------|--|
| Application | Chemical resistant Hygienic and wet areas |
|-------------|--|

Electrical data

| | |
|-------------------|-----------------|
| Performance data | |
| Operating voltage | Max. 60 V AC/DC |

Connection

| | |
|----------------------|---|
| Connection 1 | |
| Type of connection | Connector |
| Thread size | M12 |
| Type | Female |
| Handle body material | PP |
| Seal material | EPDM |
| No. of pins | 4 -pin |
| Encoding | A-coded |
| Version | Axial |
| Connector, LED | No |
| Lock | Screw fitting, stainless steel V4A, recommended torque 0.6 Nm, self-locking |

| | |
|---------------------|----------|
| Connection 2 | |
| Type of connection | Open end |

| | |
|-----------------------------------|--|
| Cable properties | |
| Number of conductors | 4 Piece(s) |
| Wire cross section | 0.34 mm ² |
| AWG | 22 |
| Sheathing color | Gray |
| Shielded | No |
| Silicone-free | Yes |
| Cable design | Connection cable (open on one end) |
| Cable diameter (external) | 4.6 mm |
| Cable length | 10,000 mm |
| Sheathing material | TPE |
| Wire insulation | TPE |
| Suitability for drag chains | Yes |
| Properties of the outer sheathing | Halogen-free, free from substances interfering with wetting agents, recyclable, increased thermal capacity |
| Resistance of the outer sheathing | Resistant to acid, alkali, ozone and seawater, hydrolysis-resistant, verified resistance to P3-topactive |

Mechanical data

| | |
|---|--------------------------|
| Width across flats | 14 mm |
| Net weight | 70 g |
| Bending radius, flexible laying, min. | Min. 10 x cable diameter |
| Bending radius, stationary laying, min. | Min. 5 x cable diameter |

Operation and display

| | |
|---|-------------------------------|
| Environmental data | |
| Ambient temperature, operation, additional note | Drag chain: -25 °C ... +60 °C |
| Ambient temperature, operation, flexible use | -40 ... 105 °C |
| Ambient temperature, operation, stationary use | -40 ... 105 °C |

Certifications

| | |
|----------------------|----------------------------------|
| Degree of protection | IP 65 IP 67 IP 68 IP 69 |
| Approvals | ECOLAB |

Classification

| | |
|-----------------------|----------|
| Customs tariff number | 85444290 |
| ECLASS 5.1.4 | 27279201 |
| ECLASS 8.0 | 27279218 |
| ECLASS 9.0 | 27060311 |
| ECLASS 10.0 | 27060311 |
| ECLASS 11.0 | 27060311 |
| ECLASS 12.0 | 27060311 |
| ECLASS 13.0 | 27060311 |
| ECLASS 14.0 | 27060311 |
| ECLASS 15.0 | 27060311 |
| ECLASS 16.0 | 27060311 |
| ETIM 5.0 | EC001855 |
| ETIM 6.0 | EC001855 |
| ETIM 7.0 | EC001855 |
| ETIM 8.0 | EC001855 |
| ETIM 9.0 | EC001855 |
| ETIM 10.0 | EC001855 |
| UNSPSC 26.08 | 26121604 |

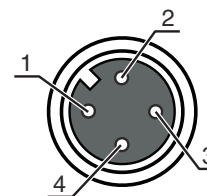
Electrical connection

Connection 1

| | |
|----------------------|---|
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| Thread size | M12 |
| Type | Female |
| Handle body material | PP |
| Seal material | EPDM |
| No. of pins | 4 -pin |
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| Connector, LED | No |
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Electrical connection

| Pin | Conductor color |
|-----|-----------------|
| 1 | Brown |
| 2 | White |
| 3 | Blue |
| 4 | Black |



Connection 2

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

Circuit diagrams

Wiring schematic



Accessories

General

| | Part no. | Designation | Article | Description |
|--|----------|-------------|---------|---|
| | 50148408 | TT SW 14 | Tool | Type: Hexagon head for torque key Width across flats: 14 mm Material: Stainless steel, Plastic Ambient temperature: -40 ... 120 °C |

Note



A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.