

## Technical data sheet

### Connection cable

Part no.: 50149846

KD U-M8-3A-T0-020 F+B

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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          | M8                                                                          |
| Type                 | Female                                                                      |
| Handle body material | PP                                                                          |
| Seal material        | EPDM                                                                        |
| No. of pins          | 3 -pin                                                                      |
| Encoding             | A-coded                                                                     |
| Version              | Axial                                                                       |
| Connector, LED       | No                                                                          |
| Lock                 | Screw fitting, stainless steel V4A, recommended torque 0.4 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                   | Gray                                                                                                       |
| Shielded                          | No                                                                                                         |
| Silicone-free                     | Yes                                                                                                        |
| Cable design                      | Connection cable (open on one end)                                                                         |
| Cable diameter (external)         | 4.6 mm                                                                                                     |
| Cable length                      | 2,000 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                      | 9 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 |

## Electrical connection

### Connection 1

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| Type of connection   | Connector                                                                   |
| Thread size          | M8                                                                          |
| Type                 | Female                                                                      |
| Handle body material | PP                                                                          |
| Seal material        | EPDM                                                                        |
| No. of pins          | 3 -pin                                                                      |
| Encoding             | A-coded                                                                     |
| Version              | Axial                                                                       |
| Connector, LED       | No                                                                          |
| Lock                 | Screw fitting, stainless steel V4A, recommended torque 0.4 Nm, self-locking |

Electrical connection

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



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

Circuit diagrams

Wiring schematic

