

## Technical data sheet

### Connection cable

Part no.: 50112960

K-D M12A-4P-10m-FAB

#### Contents

- Technical data
- Electrical connection

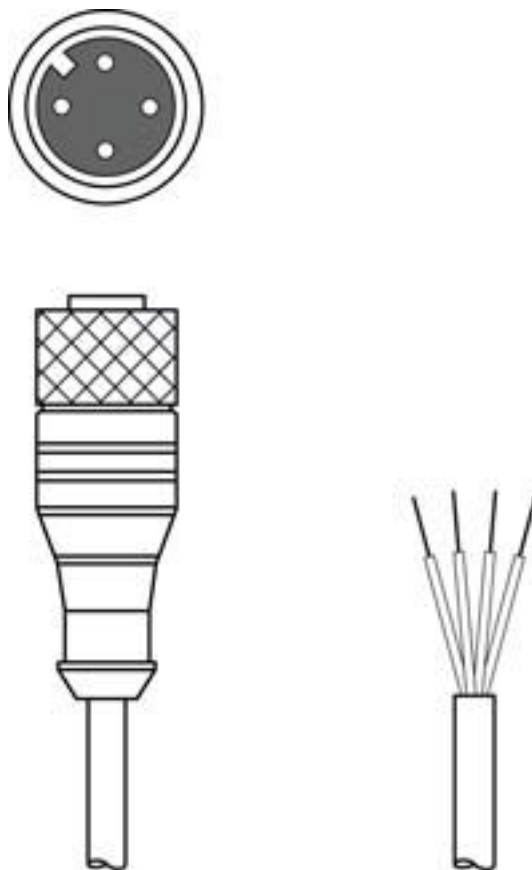


Figure can vary



## Technical data

### Electrical data

#### Performance data

|                   |                  |
|-------------------|------------------|
| Operating voltage | Max. 250 V AC/DC |
|-------------------|------------------|

### Connection

#### Connection 1

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| Type of connection   | Connector                                                                   |
| Thread size          | M12                                                                         |
| Type                 | Female                                                                      |
| Handle body material | PUR                                                                         |
| No. of pins          | 4 -pin                                                                      |
| Encoding             | A-coded                                                                     |
| Design               | Axial                                                                       |
| 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 <sup>2</sup>                                                                                 |
| AWG                               | 22                                                                                                   |
| Sheathing color                   | Black                                                                                                |
| Shielded                          | No                                                                                                   |
| Silicone-free                     | Yes                                                                                                  |
| Cable design                      | Connection cable (open on one end)                                                                   |
| Cable diameter (external)         | 5 mm                                                                                                 |
| Cable length                      | 10,000 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

|                                       |                          |
|---------------------------------------|--------------------------|
| 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 | -5 ... 80 °C |
|----------------------------------------------|--------------|

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

### Certifications

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

IP 67

IP 69K

|                |         |
|----------------|---------|
| Certifications | c UL US |
|----------------|---------|

UL

### Classification

|                       |          |
|-----------------------|----------|
| Customs tariff number | 85444290 |
|-----------------------|----------|

|            |          |
|------------|----------|
| eCl@ss 8.0 | 27279218 |
|------------|----------|

|            |          |
|------------|----------|
| eCl@ss 9.0 | 27060311 |
|------------|----------|

|          |          |
|----------|----------|
| ETIM 5.0 | EC001855 |
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|          |          |
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| ETIM 6.0 | EC001855 |
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## Electrical connection

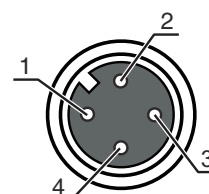
### Connection 1

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| Type of connection   | Connector                                                                   |
| Thread size          | M12                                                                         |
| Type                 | Female                                                                      |
| Handle body material | PUR                                                                         |
| No. of pins          | 4 -pin                                                                      |
| Encoding             | A-coded                                                                     |
| Design               | Axial                                                                       |
| Lock                 | Screw fitting, stainless steel V4A, recommended torque 0.6 Nm, self-locking |

### Pin

|   |       |
|---|-------|
| 1 | Brown |
| 2 | White |
| 3 | Blue  |
| 4 | Black |

### Conductor color



Electrical connection

Connection 2

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