

## Technical data sheet Interconnection cable

Part no.: 50135917

KDS U-M12-4A-M12-4A-P1-020-24X

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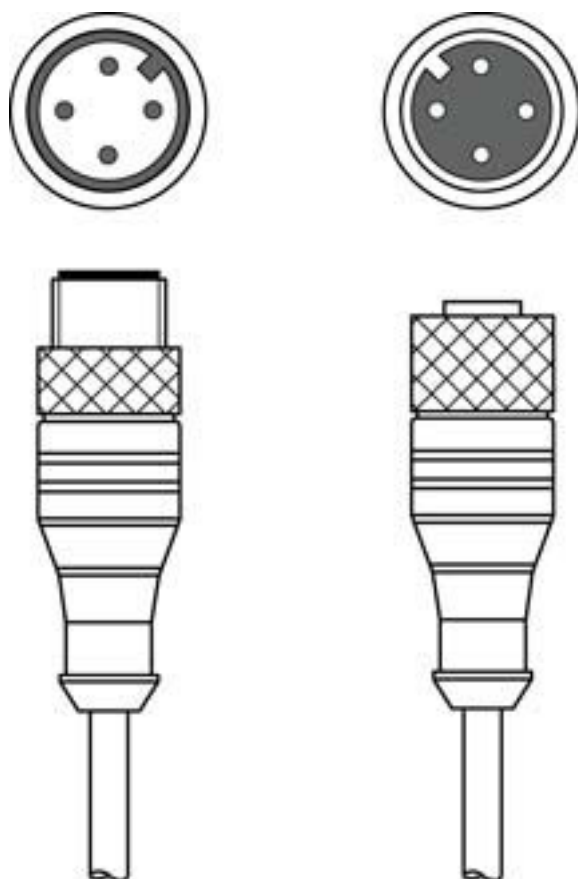


Figure can vary



## 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                                                                                |
| Handle body color    | Black                                                                              |
| No. of pins          | 4 -pin                                                                             |
| Encoding             | A-coded                                                                            |
| Design               | Axial                                                                              |
| Lock                 | Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking |

#### Connection 2

|                      |                                                                                    |
|----------------------|------------------------------------------------------------------------------------|
| Type of connection   | Connector                                                                          |
| Thread size          | M12                                                                                |
| Type                 | Male                                                                               |
| Handle body material | PUR                                                                                |
| Handle body color    | Black                                                                              |
| No. of pins          | 4 -pin                                                                             |
| Encoding             | A-coded                                                                            |
| Design               | Axial                                                                              |
| Lock                 | Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking |

#### Cable properties

|                             |                                             |
|-----------------------------|---------------------------------------------|
| Number of conductors        | 4 Piece(s)                                  |
| Wire cross section          | 0.34 mm <sup>2</sup>                        |
| Sheathing color             | Yellow                                      |
| Shielded                    | No                                          |
| Cable, crossed              | Connection 1, pin 2 <-> connection 2, pin 4 |
| Silicone-free               | Yes                                         |
| Cable design                | Interconnection cable                       |
| Cable diameter (external)   | 6 mm                                        |
| Cable length                | 2,000 mm                                    |
| Sheathing material          | PUR                                         |
| Suitability for drag chains | No                                          |

### 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  |

### Environmental data

|                                                |               |
|------------------------------------------------|---------------|
| Ambient temperature, operation, flexible use   | -25 ... 80 °C |
| Ambient temperature, operation, stationary use | -40 ... 80 °C |

### Certifications

|                      |       |
|----------------------|-------|
| Degree of protection | IP 65 |
|                      | IP 67 |
| Certifications       | c UL  |
|                      | UL    |

### 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                                                                                |
| Handle body color    | Black                                                                              |
| No. of pins          | 4 -pin                                                                             |
| Encoding             | A-coded                                                                            |
| Design               | Axial                                                                              |
| Lock                 | Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking |

Electrical connection

Connection 2

|                      |                                                                                    |
|----------------------|------------------------------------------------------------------------------------|
| Type of connection   | Connector                                                                          |
| Thread size          | M12                                                                                |
| Type                 | Male                                                                               |
| Handle body material | PUR                                                                                |
| Handle body color    | Black                                                                              |
| No. of pins          | 4 -pin                                                                             |
| Encoding             | A-coded                                                                            |
| Design               | Axial                                                                              |
| Lock                 | Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking |

Circuit diagrams

Wiring schematic

