

## Technical data sheet

### Connection cable

Part no.: 50143054

KD PL-M12-5A-P0-100

#### Contents

- Technical data
- Electrical connection
- Circuit diagrams



For illustration purposes only



# Technical data

## Basic data

|              |         |
|--------------|---------|
| Suitable for | MD 748i |
|--------------|---------|

## Electrical data

### Performance data

|                   |                   |
|-------------------|-------------------|
| Operating voltage | 50 V AC / 60 V DC |
|-------------------|-------------------|

## Connection

### Connection 1

|                    |           |
|--------------------|-----------|
| Type of connection | Connector |
| Thread size        | M12       |
| Type               | Female    |
| No. of pins        | 5 -pin    |
| Encoding           | L-coded   |
| Version            | Axial     |
| Connector, LED     | No        |

### Cable properties

|                             |  |
|-----------------------------|--|
| Number of conductors        | 5 Piece(s)   |
| Wire cross section          | 1.5 mm <sup>2</sup>  |
| Sheathing color             | Gray   |
| Shielded                    | Yes  |
| Cable design                | Connection cable (open on one end)   |
| Cable diameter (external)   | 8 mm   |
| Cable length                | 10,000 mm  |
| Sheathing material          | PUR  |
| Wire insulation             | PP   |
| Suitability for drag chains | Yes  |
| Traverse rate               | Max. 5 m/s with horiz. traverse path of 5m and and max. acceleration of 50m/s <sup>2</sup> |

## Mechanical data

|   |                           |
|---|---------------------------|
| Net weight                              | 969 g                     |
| Bending cycles                          | 10,000,000 Piece(s)       |
| Bending radius, flexible laying, min.   | Min. 7.5 x cable diameter |
| Bending radius, stationary laying, min. | Min. 4 x cable diameter   |

## Environmental data

|  |               |
|--|---------------|
| Ambient temperature, operation, flexible use   | -30 ... 90 °C |
| Ambient temperature, operation, stationary use | -40 ... 90 °C |

## Certifications

|                      |         |
|----------------------|---------|
| Degree of protection | IP 65   |
|                      | IP 67   |
|                      | IP 69K  |
| Approvals            | c UL US |

## 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

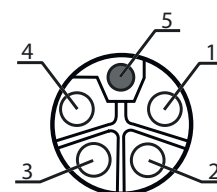
## Connection 1

|                    |           |
|--------------------|-----------|
| Type of connection | Connector |
| Thread size        | M12       |
| Type               | Female    |
| No. of pins        | 5 -pin    |
| Encoding           | L-coded   |
| Version            | Axial     |
| Connector, LED     | No        |

## Pin

|   |       |
|---|-------|
| 1 | Brown |
| 2 | White |
| 3 | Blue  |
| 4 | Black |
| 5 | Gray  |

## Conductor color



## Circuit diagrams

### Wiring schematic

