

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 mm²

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/s²

Mechanical data

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

Certifications 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

ETIM 5.0 EC001855

ETIM 6.0 EC001855

ETIM 7.0 EC001855

ETIM 8.0 EC001855

ETIM 9.0 EC001855

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

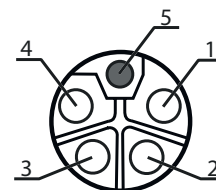
2 White

3 Blue

4 Black

5 Gray

Conductor color



Circuit diagrams

Wiring schematic

