

Technical data sheet

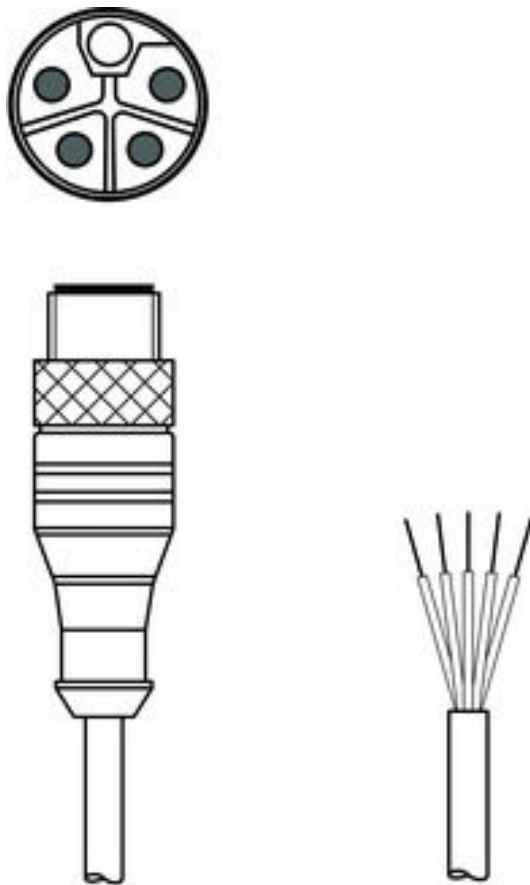
Connection cable

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
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Electrical data

Performance data

Operating voltage	50 V AC / 60 V DC
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Connection

Connection 1

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

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

Bending cycles	10,000,000 Piece(s)
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Bending radius, flexible laying, min.	Min. 7.5 x cable diameter
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Bending radius, stationary laying, min.	Min. 4 x cable diameter
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Environmental data

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

Degree of protection	IP 65
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IP 67

IP 69K

Approvals	c UL US
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Classification

Customs tariff number	85444290
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ECLASS 5.1.4	27279201
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ECLASS 8.0	27279218
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ECLASS 9.0	27060311
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ECLASS 10.0	27060311
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ECLASS 11.0	27060311
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ECLASS 12.0	27060311
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ECLASS 13.0	27060311
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ECLASS 14.0	27060311
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ECLASS 15.0	27060311
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ETIM 5.0	EC001855
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ETIM 6.0	EC001855
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ETIM 7.0	EC001855
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ETIM 8.0	EC001855
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ETIM 9.0	EC001855
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ETIM 10.0	EC001855
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Electrical connection

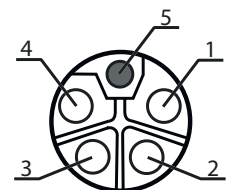
Connection 1

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

