

Technical data sheet

Connection cable

Part no.: 50134970

KD U-M23-CA-P1-100

Contents

- Technical data
- Electrical connection



For illustration purposes only



Technical data

Basic data

Application	Oil and lubricant resistant
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Electrical data

Performance data

Operating voltage	Max. 240 V AC/DC
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Connection

Connection 1

Type of connection	Connector
Thread size	M23
Type	Female
Handle body material	TPU
No. of pins	12 -pin
Encoding	A-coded
Version	Axial
Connector, LED	No
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Connection 2

Type of connection	Open end
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Cable properties

Number of conductors	12 Piece(s)
Wire cross section	0.5 mm ²
Wire cross section	3 x 1 mm ²
	8 x 0.5 mm ²
AWG	21
Sheathing color	Black
Shielded	No
Silicone-free	Yes
Cable design	Connection cable (open on one end)
Cable diameter (external)	9.3 mm
Cable length	10,000 mm
Sheathing material	PUR
Wire insulation	PP
Suitability for drag chains	Yes
Traversal rate	Max. 3.3 m/s with horiz. traverse path of 5m and max. acceleration of 5m/s ²
Properties of the outer sheathing	Free of silicone and halogen, matt, low-adhesion, abrasion-resistant, easily machine-processable
Resistance of the outer sheathing	Hydrolysis and microbe resistant, good oil and chemical resistance, flame retardant in accordance with IEC 60332-2, VDE 0482-265-2-2, EN 50265-2-2, FT2

Mechanical data

Net weight	1,127 g
Bending cycles	2,000,000 Piece(s)
Bending radius, flexible laying, min.	Min. 10 x cable diameter
Bending radius, stationary laying, min.	Min. 5 x cable diameter

Operation and display

Environmental data

Ambient temperature, operation, flexible use	-25 ... 80 °C
Ambient temperature, operation, stationary use	-50 ... 80 °C

Certifications

Degree of protection	IP 65
	IP 67

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

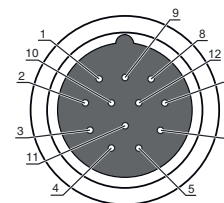
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Electrical connection

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Pin	Conductor color
1	White
2	Green
3	Yellow
4	Gray
5	Gray / Pink
6	Blue / Red
7	Green / White
8	Brown / Green
9	Blue
10	Blue
11	Brown / Green
12	Green / Yellow



Connection 2

Type of connection	Open end
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