

Technical data sheet

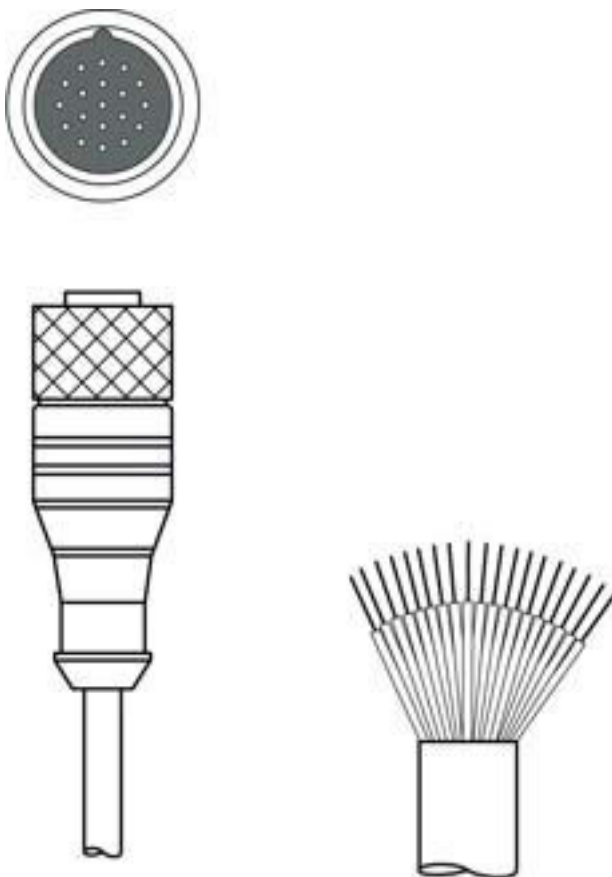
Connection cable

Part no.: 50134972

KD U-M23-JA-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. 120 V AC/DC

Connection

Connection 1	
Type of connection	Connector
Thread size	M23
Type	Female
Handle body material	TPU
No. of pins	19 -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

Cable properties	
Number of conductors	19 Piece(s)
Wire cross section	0.5 mm ²
Wire cross section	16 x 0.5 mm ²
	3 x 1 mm ²
AWG	21
Sheathing color	Black
Shielded	No
Silicone-free	Yes
Cable design	Connection cable (open on one end)
Cable diameter (external)	11.6 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

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
ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855
ETIM 8.0	EC001855
ETIM 9.0	EC001855
ETIM 10.0	EC001855

Electrical connection

Connection 1

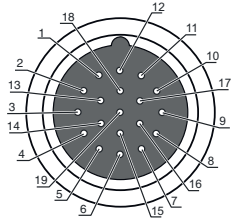
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Thread size	M23
Type	Female
Handle body material	TPU

Electrical connection

Connection 1

No. of pins	19 -pin
Encoding	A-coded
Version	Axial
Connector, LED	No
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Pin	Conductor color
1	Violet
2	Red
3	Gray
4	Blue / Red
5	Green
6	Blue
7	Gray / Pink
8	Green / White
9	White / Yellow
10	Gray / White
11	Black
12	Green / Yellow
13	Brown / Yellow
14	Brown / Green
15	White
16	Yellow
17	Pink
18	Brown / Gray
19	Brown



Connection 2

Type of connection	Open end
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