Technical data sheet

Interconnection cable

Part no.: 50130930

KDS U-M8-3A-M12-3A-P1-015

Contents

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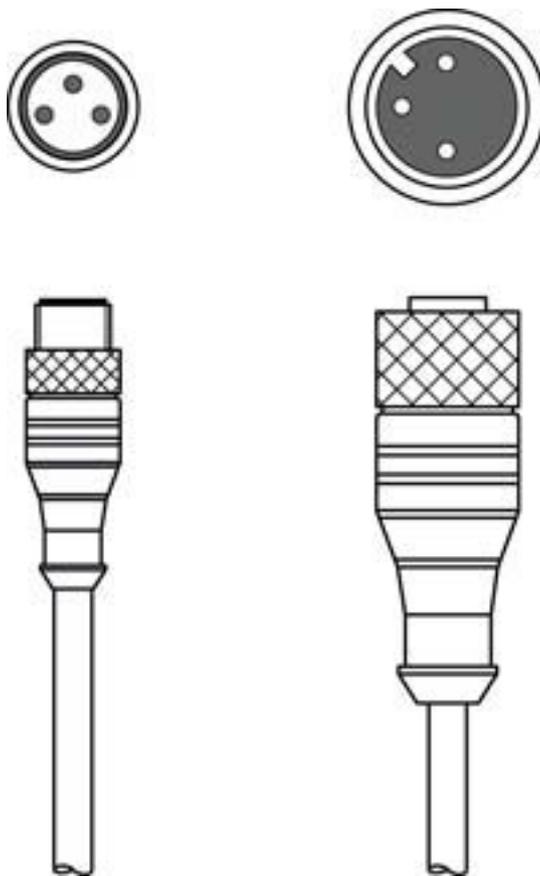- Electrical connection

Figure can vary

IP 67

IP 65

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Technical data

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Connection

Connection 1

Type of connection	Connector
Thread size	M8
Type	Male
No. of pins	3 -pin
Design	Axial

Connection 2

Type of connection	Connector
Thread size	M12
Type	Female
No. of pins	3 -pin
Encoding	A-coded
Design	Axial

Cable properties

Number of conductors	3 Piece(s)
Wire cross section	0.25 mm²
AWG	24
Sheathing color	Black
Shielded	No
Silicone-free	Yes
Cable design	Interconnection cable
Cable diameter (external)	4.3 mm
Cable length	1,500 mm
Sheathing material	PUR
Wire insulation	PUR
Traverse rate	Max. 3.3 m/s with horiz. traverse path of 5m and and max. acceleration of 5m/s²
Suitability for drag chains	Yes
Properties of the outer sheathing	Free of CFC, cadmium, silicone, halogen and lead, matt, low-adhesion, abrasion-resistant, easily machine-processable
Resistance of the outer sheathing	Hydrolysis and microbe resistant, good oil, gasoline and chemical resistance in accordance with VDE 0472 part 803 test B, flame retardant in accordance with UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2
Torsion suitability	±180° / m (max. 2 mio. cycles with 35 cycles / min)

Mechanical data

Width across flats	13 mm
Net weight	56 g
Bending cycles	5,000,000 Piece(s)
Bending radius, flexible laying, min.	Min. 10 x cable diameter
Bending radius, stationary laying, min.	Min. 5 x cable diameter

Environmental data

Ambient temperature, operation, flexible use	-25 ... 80 °C
Ambient temperature, operation, stationary use	-40 ... 80 °C

Certifications

Degree of protection	IP 65
	IP 67
Certifications	c UL US

Classification

Customs tariff number	85444290
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311
ETIM 5.0	EC001855
ETIM 6.0	EC001855

Electrical connection

Connection 1

Type of connection	Connector
Thread size	M8
Type	Male
No. of pins	3 -pin
Design	Axial

Connection 2

Type of connection	Connector
Thread size	M12
Type	Female
No. of pins	3 -pin
Encoding	A-coded
Design	Axial