

Technical data sheet

Adapter cable

Part no.: 425044

ECO-SD-Set

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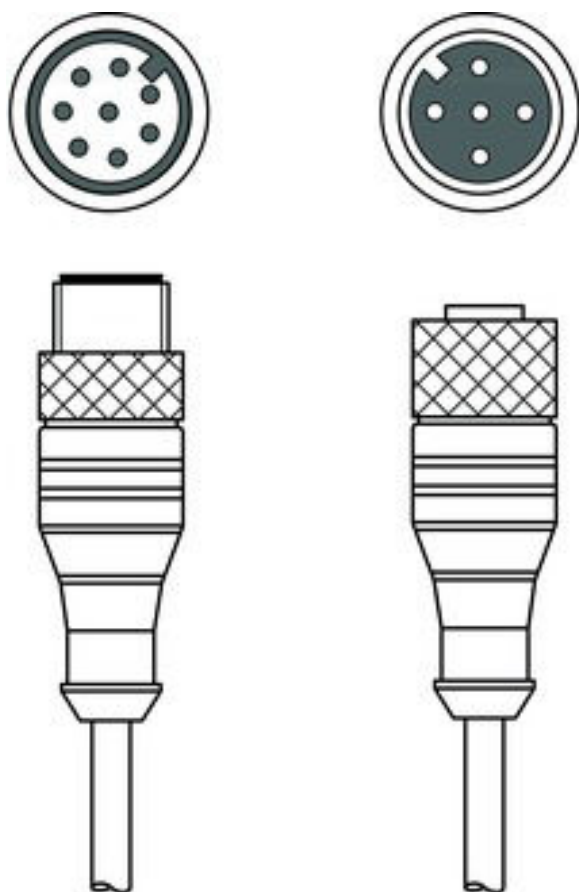


Figure can vary



Technical data

Basic data

Application	Oil and lubricant resistant
Suitable for	SOLID-2, SOLID-2E safety light curtains
Order guide	Adapter cables for SOLID-2 transmitter and receiver for connecting to the existing connection cables for the ECO safety light curtain

Electrical data

Performance data

Operating voltage	Max. 125 V AC/DC
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Connection

Number of connections	2 Piece(s)
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Connection 1

Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	PUR
No. of pins	8 -pin
Encoding	A-coded
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Connection 2

Type of connection	Connector
Thread size	M12
Type	Female
Handle body material	PUR
No. of pins	5 -pin
Encoding	A-coded
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Cable properties

Number of conductors	8 Piece(s)
Wire cross section	0.34 mm ²
AWG	22
Sheathing color	Black
Shielded	Yes
Silicone-free	Yes
Cable design	Interconnection cable
Cable diameter (external)	5.6 mm
Cable length	400 mm
Sheathing material	PUR
Wire insulation	PUR
Suitability for drag chains	Yes
Traverse rate	Max. 3.3 m/s with horiz. traverse path of 5m and and max. acceleration of 5m/s ²
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	±30° / m (max. 2 mio. cycles with 35 cycles / min)

Mechanical data

Width across flats	13 mm
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

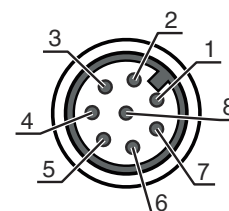
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Electrical connection

Connection 1

Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	PUR
No. of pins	8 -pin
Encoding	A-coded
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Pin	Pin assignment	Conductor color
1	+24V	Brown
2	FE/SHIELD	Gray
3	0 V	Blue
4	Test	Black
5	n.c.	-
6	n.c.	-
7	n.c.	-
8	n.c.	-



Connection 2

Type of connection	Connector
Thread size	M12
Type	Female
Handle body material	PUR
No. of pins	5 -pin
Encoding	A-coded
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Pin	Pin assignment	Conductor color
1	+24V	Brown
2	n.c.	-
3	0 V	Blue
4	Test	Black
5	FE/SHIELD	Gray

