

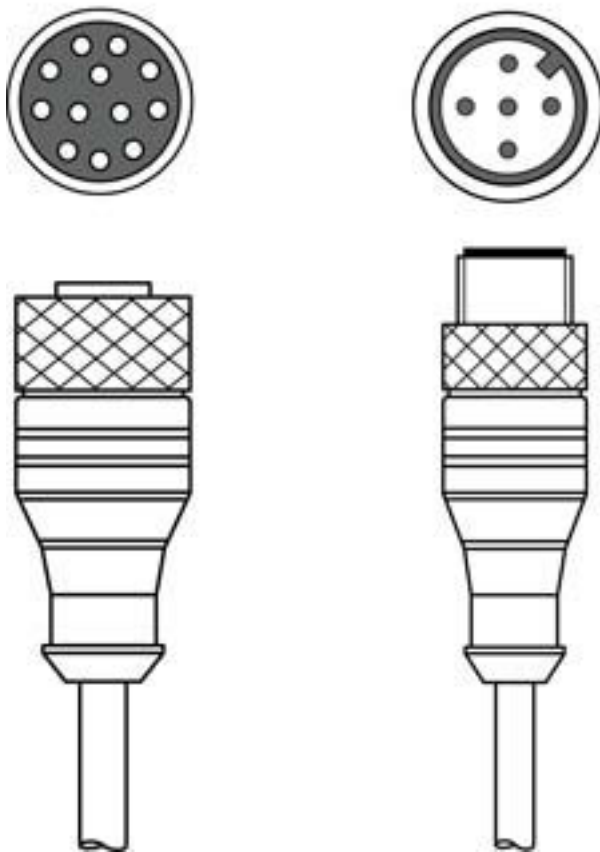
Technical data sheet Interconnection cable

Part no.: 50137694

KDS S-M12-CA-M12-5A-P1-004-23X

Contents

- Technical data
- Electrical connection
- Circuit diagrams



For illustration purposes only



Technical data

Basic data

Application	Oil and lubricant resistant
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Electrical data

Performance data

Operating voltage	Max. 30 V AC/DC
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Connection

Connection 1

Type of connection	Connector
Thread size	M12
Type	Female
Handle body material	PUR
Handle body color	Black
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	Connector
Thread size	M12
Type	Male
Handle body material	PUR
Handle body color	Black
No. of pins	5 -pin
Encoding	A-coded
Version	Axial
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	0.25 mm ²
Sheathing color	Black
Shielded	Yes
Cable, crossed	Connection 1, pin 2 <-> connection 2, pin 3
Silicone-free	Yes
Cable design	Interconnection cable
Cable diameter (external)	7 mm
Cable length	400 mm
Sheathing material	PUR
Wire insulation	PP
Suitability for drag chains	Yes

Traversal rate	Max. 3.3 m/s with horiz. traversal path of 5m and max. acceleration of 5m/s ²
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Properties of the outer sheathing	Free of CFC, cadmium, silicone, halogen and lead, matt, low-adhesion, abrasion-resistant, easily machine-processable
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Resistance of the outer sheathing	Good oil, gasoline and chemical resistance in accordance with VDE 072, flame retardant in accordance with IEC 60332 / VDE 0472
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Torsion suitability	±30° / m (max. 2 mio. cycles with 35 cycles / min)
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Mechanical data

Width across flats	13 mm
Net weight	48 g
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	-40 ... 80 °C

Certifications

Degree of protection	IP 67
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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

Electrical connection

Connection 1

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Handle body material	PUR
Handle body color	Black
No. of pins	12 -pin
Encoding	A-coded
Version	Axial
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Connection 2

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

Circuit diagrams

Wiring schematic

