

Part no.: 50137694  
**KDS S-M12-CA-M12-5A-P1-004-23X**  
Interconnection cable



Figure can vary

## Contents

- Technical data
- Electrical connection
- Circuit diagrams

## Technical data

### 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
Design	Axial
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
Design	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 <sup>2</sup>
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
Traverse rate	Max. 3.3 m/s with horiz. traverse path of 5m and and max. acceleration of 5m/s <sup>2</sup>
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	Good oil, gasoline and chemical resistance in accordance with VDE 072, flame retardant in accordance with IEC 60332 / VDE 0472
Torsion suitability	±30° / m (max. 2 mio. cycles with 35 cycles / min)

### Mechanical data

Width across flats	13 mm
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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**

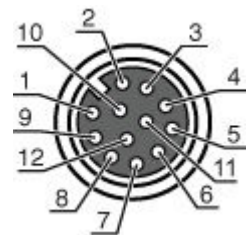
Degree of protection	IP 67
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**Classification**

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	M12
Type	Female
Handle body material	PUR
Handle body color	Black
No. of pins	12 -pin
Encoding	A-coded
Design	Axial
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
Design	Axial
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

**Circuit diagrams**

Wiring schematic

