

Technical data sheet

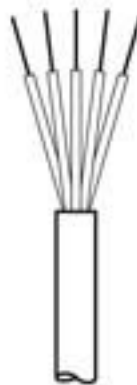
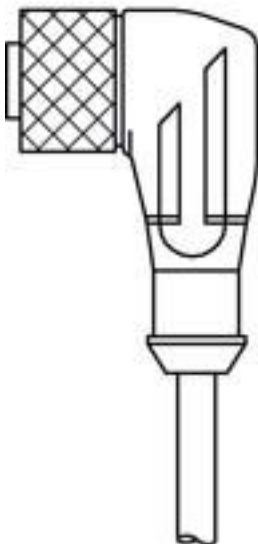
Connection cable

Part no.: 50143389

KD DN-M12-5W-P1-150

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. 60 V AC/DC
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Connection

Connection 1

Type of connection	Connector
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Thread size	M12
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Type	Female
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Handle body material	PUR
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No. of pins	5 -pin
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Encoding	A-coded
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Version	Angled
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Connector, LED	No
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Connection 2

Type of connection	Open end
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Lock	Screw fitting, nickel-plated brass, recommended torque 0.6 Nm, self-locking
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Cable properties

Number of conductors	5 Piece(s)
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Wire cross section	0.34 mm ²
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AWG	22
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Sheathing color	Violet
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Shielded	Yes
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Silicone-free	Yes
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Cable design	Connection cable (open on one end)
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Cable diameter (external)	5.6 mm
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Cable length	15,000 mm
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Sheathing material	PUR
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Wire insulation	PE
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Traverse rate	Max. 3.3 m/s with horiz. traverse path of 5m and and max. acceleration of 5m/s ²
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Suitability for drag chains	Yes
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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	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
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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
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

Operation and display

Environmental data

Ambient temperature, operation, flexible use	-30 ... 70 °C
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Ambient temperature, operation, stationary use	-40 ... 80 °C
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Certifications

Degree of protection	IP 65
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IP 67

Approvals	c UL US
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Classification

Customs tariff number	85444290
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ECLASS 5.1.4	27279201
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ECLASS 8.0	27279218
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ECLASS 9.0	27060311
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ECLASS 10.0	27060311
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ECLASS 11.0	27060311
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ECLASS 12.0	27060311
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ECLASS 13.0	27060311
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ECLASS 14.0	27060311
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ECLASS 15.0	27060311
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ETIM 5.0	EC001855
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ETIM 6.0	EC001855
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ETIM 7.0	EC001855
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ETIM 8.0	EC001855
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ETIM 9.0	EC001855
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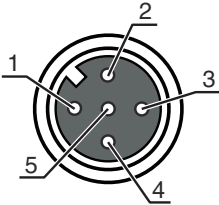
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Electrical connection

Connection 1

Type of connection	Connector
Thread size	M12
Type	Female
Handle body material	PUR
No. of pins	5 -pin
Encoding	A-coded
Version	Angled
Connector, LED	No

Pin	Conductor color
1	-
2	Red
3	Black
4	White
5	Blue



Connection 2

Type of connection	Open end
Lock	Screw fitting, nickel-plated brass, recommended torque 0.6 Nm, self-locking

Circuit diagrams

Connection diagram

