

Technical data sheet

Connection cable

Part no.: 50143389

KD DN-M12-5W-P1-150

Contents

- Technical data
- Electrical connection
- Circuit diagrams



Figure can vary



Technical data

Electrical data

Performance data

Operating voltage Max. 60 V AC/DC

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

Connection 2

Type of connection Open end

Lock Screw fitting, nickel-plated brass, recommended torque 0.6 Nm, self-locking

Cable properties

Number of conductors 5 Piece(s)

Wire cross section 0.34 mm²

AWG 22

Sheathing color Violet

Shielded Yes

Silicone-free Yes

Cable design Connection cable (open on one end)

Cable diameter (external) 5.6 mm

Cable length 15,000 mm

Sheathing material PUR

Wire insulation PE

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 ±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 -30 ... 70 °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 5.1.4 27279201

eCl@ss 8.0 27279218

eCl@ss 9.0 27060311

eCl@ss 10.0 27060311

eCl@ss 11.0 27060311

ETIM 5.0 EC001855

ETIM 6.0 EC001855

ETIM 7.0 EC001855

Electrical connection

Connection 1

Type of connection Connector

Thread size M12

Type Female

Handle body material PUR

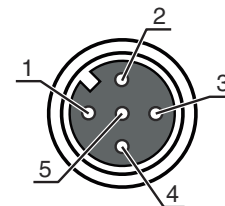
No. of pins 5 -pin

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Electrical connection

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

