SMART
SENSOR
BUSINESS

Leuze electronic

the sensor people

Part no.: 50132537
KD U-M12-5W-P1-050
Connection cable

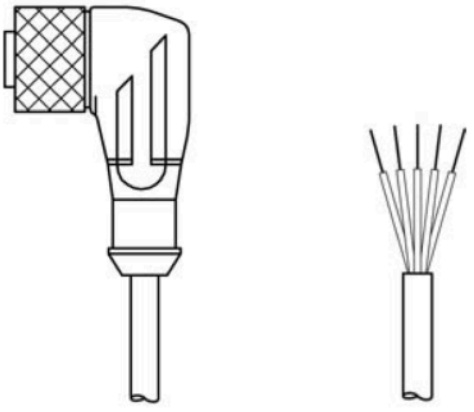


Figure can vary

IP 67 IP 65 c UL us LISTED

Contents

- Technical data
- Electrical connection

Leuze electronic GmbH + Co. KG, In der Braike 1, 73277 Owen
Phone: +49 7021 573-0, Fax: +49 7021 573-199

Part no.: 50132537 – KD U-M12-5W-P1-050 – Connection cable

Technical data

Electrical data	
Performance data	
Operating voltage	Max. 125 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
Design	Angled
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking
Connection 2	
Type of connection	Open end
Cable properties	
Number of conductors	5 Piece(s)
Wire cross section	0.34 mm²
AWG	22
Sheathing color	Black
Shielded	No
Silicone-free	Yes
Cable design	Connection cable (open on one end)
Cable diameter (external)	5 mm
Cable length	5,000 mm
Sheathing material	PUR
Wire insulation	PP
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 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	±180° / 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	-25 ... 80 °C

Part no.: 50132537 – KD U-M12-5W-P1-050 – Connection cable

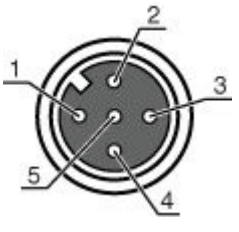
Certifications	
Degree of protection	IP 65 IP 67
Certifications	c UL US

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
No. of pins	5 -pin
Encoding	A-coded
Design	Angled
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Pin	Conductor color
1	Brown
2	White
3	Blue
4	Black
5	Gray



Connection 2	
Type of connection	Open end