

Technical data sheet

Connection cable

Part no.: 50149848

KD U-M8-3A-T0-100 F+B

Contents

- Technical data
- Electrical connection
- Circuit diagrams



For illustration purposes only



Technical data

Basic data

Application	Chemical resistant
	Hygienic and wet areas

Electrical data

Performance data	
Operating voltage	Max. 60 V AC/DC

Connection

Connection 1	
Type of connection	Connector
Thread size	M8
Type	Female
Handle body material	PP
Seal material	EPDM
No. of pins	3 -pin
Encoding	A-coded
Version	Axial
Connector, LED	No
Lock	Screw fitting, stainless steel V4A, recommended torque 0.4 Nm, self-locking

Connection 2	
Type of connection	Open end

Cable properties	
Number of conductors	3 Piece(s)
Wire cross section	0.34 mm ²
AWG	22
Sheathing color	Gray
Shielded	No
Silicone-free	Yes
Cable design	Connection cable (open on one end)
Cable diameter (external)	4.6 mm
Cable length	10,000 mm
Sheathing material	TPE
Wire insulation	TPE
Suitability for drag chains	Yes
Properties of the outer sheathing	Halogen-free, free from substances interfering with wetting agents, recyclable, increased thermal capacity
Resistance of the outer sheathing	Resistant to acid, alkali, ozone and seawater, hydrolysis-resistant, verified resistance to P3-topactive

Mechanical data

Width across flats	9 mm
Net weight	70 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, additional note	Drag chain: -25 °C ... +60 °C
Ambient temperature, operation, flexible use	-40 ... 105 °C
Ambient temperature, operation, stationary use	-40 ... 105 °C

Certifications

Degree of protection	IP 65
	IP 67
	IP 68
	IP 69
Approvals	ECOLAB

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
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

Type of connection	Connector
Thread size	M8
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Electrical connection

Pin	Conductor color
1	Brown
3	Blue
4	Black



Connection 2	
Type of connection	Open end

Circuit diagrams

Wiring schematic

