

Connecting cable NEBS-M12G5-ES-10-LE5

Part number: 8030963

FESTO



 General operating condition

Data sheet

Feature	Value
Based on norm	EN 61076-2-101
Cable designation	With 2x label holders
Contact durability	100
Type of mounting	With knurled nut
Product weight	528 g
Electrical connection 1, function	Field device end
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	5
Electrical connection 1, occupied pins/wires	5
Electrical connection 1, type of mounting	Screw-type lock rotatable
Electrical connection 1, type of mounting	Compatible with rotatable/non-rotatable screw-type lock
Electrical connection for input 1, connection pattern	00995384
Electrical connection 1, terminal allocation	Pin 1 = BN Pin 2 = WH Pin 3 = BU Pin 4 = BK Pin 5 = GY
Electrical connection 2, function	Control side
Electrical connection 2, connection type	Cable
Electrical connection 2, connection technology	Open end
Electrical connection 2, number of pins/wires	5
Electrical connection 2, occupied pins/wires	5
DC operating voltage range	0 V ... 60 V
Operating voltage range AC	0 V ... 48 V
Current rating at 40° C	4 A
Surge resistance	1.5 kV
Protective earth connection	Not available
Shield	yes
Cable length	10 m
Cable characteristic	Suitable for energy chains
Connector cable test conditions	Test conditions on request
Bending radius, fixed cable installation	≥26 mm
Bending radius, flexible cable installation	≥52 mm

Feature	Value
Cable diameter	5.25 mm
Cable diameter tolerance	± 0.2 mm
Cable design	5 x 0.34 mm ²
Nominal conductor cross section	0.34 mm ²
Nominal conductor cross section	AWG22
Wire ends	Cut off bluntly
Degree of protection	IP65 IP67
Note on degree of protection	In mounted state
Special features	UV-resistant Abrasion-resistant Low adhesion Flame-retardant and self-extinguishing hydrolysis resistant Alkali-proof Solvent-resistant Resistant to microbes Oil-resistant Acid-proof
Ambient temperature	-40 °C ... 80 °C
Ambient temperature with flexible cable installation	-25 °C ... 60 °C
Overvoltage category	II
CE marking (see declaration of conformity)	As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant Halogen-free silicone-free
Contamination level	3
Note on the contamination level	In mounted state
Corrosion resistance class (CRC)	1 - Low corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Black
Housing material	TPE-U(PUR)
Housing colour	Black
Material of screw-type lock	Die-cast zinc, nickel-plated
Seals material	NBR
Material of pin contacts	Bronze, nickel-plated and gold-plated
Insulating sheath material	PP