

Motor cable NEBM-LX/M17-

Part number: 8181663

FESTO



Data sheet

Feature	Value
Based on norm	EN 61984
Cable designation	Without label holder
Product weight	365 g...1880 g
Electrical connection	12-pin 14-pin
Electrical connection 1, function	Field device end
Electrical connection 1, design	Rectangular Round
Electrical connection 1, connection type	Hybrid socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	Plug pattern L10 Connection diagram L5 M17x0.75
Electrical connection 1, number of pins/wires	12 14
Electrical connection 1, occupied pins/wires	12 13
Electrical connection 1, type of mounting	Snap-locking Screw-type lock
Electrical connection 2, function	Control side
Electrical connection 2, connection type	Socket Cable
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	Plug pattern L10 Plug pattern L5 M17x0.75 Open end
Electrical connection 2, number of pins/wires	12 14
Electrical connection 2, occupied pins/wires	12 13
Electrical connection 2, type of mounting	Snap-locking Screw-type lock Inserted
DC operating voltage range	0 V...48 V
Current rating at 40° C	7.6 A...17.8 A

Feature	Value
Surge resistance	1.5 kV
Shield	yes
Cable length	0.5 m...20 m
Cable characteristic	Suitable for energy chains
Connector cable test conditions	Test conditions on request
Bending radius, fixed cable installation	42 mm...43.2 mm
Bending radius, flexible cable installation	78.75 mm...81 mm
Cable diameter	10.5 mm...10.8 mm
Cable diameter tolerance	± 0.3 mm
Cable design	$4 \times 0.5 \text{ mm}^2 + 2 \times 0.5 \text{ mm}^2 + 6 \times 0.15 \text{ mm}^2$ $4 \times 0.75 \text{ mm}^2 + 2 \times 0.5 \text{ mm}^2 + 6 \times 0.15 \text{ mm}^2$ $4 \times 1.5 \text{ mm}^2 + 2 \times 0.5 \text{ mm}^2 + 6 \times 0.15 \text{ mm}^2$
Nominal conductor cross section	0.15 mm ² 0.5 mm ² 0.75 mm ² 1.5 mm ²
Wire ends	Cable end sleeve Pin terminal
Degree of protection	IP20 IP67
Note on degree of protection	In mounted state
Ambient temperature	-40 °C...90 °C
Ambient temperature with flexible cable installation	-25 °C...80 °C
Overvoltage category	I
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 zone III
Note on materials	RoHS-compliant Halogen-free
Contamination level	3
Corrosion resistance class (CRC)	1 - Low corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Gray
Insulating sheath material	PP