

Motor cable

NEBM-F1W31-XC-0.2-F1N-DF1W31

Part number: 8113317

FESTO



 General operating condition

Data sheet

Feature	Value
Cable designation	Without label holder
Contact durability	30
Product weight	11 g
Electrical connection 1, function	Field device end
Electrical connection 1, design	Rectangular
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Angled
Electrical connection 1, information on cable outlet	90°
Electrical connection 1, connection technology	Connection diagram F1
Electrical connection 1, number of pins/wires	31
Electrical connection 1, occupied pins/wires	31
Electrical connection 1, type of mounting	Snap-locking
Electrical connection for input 1, connection pattern	00995930
Electrical connection 2, function	Control side
Electrical connection 2, design	Rectangular
Electrical connection 2, connection type	Socket
Electrical connection 2, cable outlet	Angled
Electrical connection 2, note on cable outlet	90°
Electrical connection 2, connection technology	Connection diagram F1
Electrical connection 2, number of pins/wires	31
Electrical connection 2, occupied pins/wires	31
Electrical connection 2, type of mounting	Snap-locking
Electrical connection 2, connection pattern	00995930
DC operating voltage range	0 V ... 50 V
Nominal operating voltage DC	24 V
Current rating at 40° C	0.5 A
Surge resistance	0.25 kV
Cable length	0.2 m
Cable characteristic	for dynamic applications
Connector cable test conditions	Test conditions on request
Bending radius, fixed cable installation	0 mm
Information on bending radius, fixed cable installation	Can be bent once
Bending radius, flexible cable installation	≥25 mm
Cable design	31 x 0.01 mm ²
Nominal conductor cross section	0.0105 mm ²
Degree of protection	IP20

Feature	Value
Note on degree of protection	In mounted state
Ambient temperature	-20 °C ... 75 °C
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Storage temperature	-25 °C ... 55 °C
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
Contamination level	1
Corrosion resistance class (CRC)	1 - Low corrosion stress
Material of cable sheath	PET
Color cable sheath	Gray
Housing material	PA
Housing colour	Black
Material of pin contacts	Copper alloy, tin-plated