

Motor cable NEBM-M23/40

Part number: 8190874

FESTO



Data sheet

Feature	Value
Based on norm	EN 61984
Cable designation	Without label holder
Product weight	0.199 g...0.547 g
Electrical connection 1, function	Field device end
Electrical connection 1, design	Round
Electrical connection 1, connection type	Hybrid socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	M23x1 M40x1.5
Electrical connection 1, number of pins/wires	15
Electrical connection 1, occupied pins/wires	12
Electrical connection 1, type of mounting	Snap-locking
Electrical connection 2, function	Control side
Electrical connection 2, connection type	Hybrid plug Cable
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	M23x1 M40x1.5 Sub-D and open end
Electrical connection 2, number of pins/wires	15 21
Electrical connection 2, occupied pins/wires	12
Electrical connection 2, type of mounting	Snap-locking Inserted
DC operating voltage range	0 V...850 V
Operating voltage range AC	0 V...630 V
Current rating at 40° C	11.7 A...40 A
Surge resistance	6 kV
Shield	yes
Cable length	0.5 m...99.9 m
Cable characteristic	Suitable for energy chains
Connector cable test conditions	Test conditions on request
Bending radius, fixed cable installation	48 mm...74.8 mm

Feature	Value
Bending radius, flexible cable installation	90 mm...140.25 mm
Cable diameter	12 mm...18.7 mm
Cable diameter tolerance	± 0.3 mm
Cable design	$4 \times 0.75 \text{ mm}^2 + 1 \times (2 \times 0.75 \text{ mm}^2) + 1 \times (2 \times 0.24 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2)$ $4 \times 1.5 \text{ mm}^2 + 1 \times (2 \times 0.75 \text{ mm}^2) + 1 \times (2 \times 0.24 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2)$ $4 \times 2.5 \text{ mm}^2 + 1 \times (2 \times 1.0 \text{ mm}^2) + 1 \times (2 \times 0.24 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2)$ $4 \times 4 \text{ mm}^2 + 1 \times (2 \times 1.5 \text{ mm}^2) + 1 \times (2 \times 0.24 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2)$ $4 \times 6 \text{ mm}^2 + 1 \times (2 \times 1.5 \text{ mm}^2) + 1 \times (2 \times 0.24 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2)$
Nominal conductor cross section	0.15 mm ² 0.24 mm ² 0.75 mm ² 1 mm ² 1.5 mm ² 2.5 mm ² 4 mm ² 6 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	III
CE marking (see declaration of conformity)	As per EU low voltage directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions To UK instructions for electrical equipment
LABS (PWIS) conformity	VDMA24364-B2-L
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