

Motor cable NEBM-M23/40

Part number: 8190874

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Based on standard	EN 61984
Cable designation	Without inscription label holder
Product weight	0.199 g ... 0.547 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Hybrid socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connector system	M23x1 M40x1.5
Electrical connection 1, number of connections/cores	15
Electrical connection 1, used connections/cores	12
Electrical connection 1, type of mounting	Snap-locking
Electrical connection 1, connection pattern	00995912 00997393
Electrical connection 2, function	Controller side
Electrical connection 2, connection type	Hybrid plug Cable
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connector system	M23x1 M40x1.5 Sub-D and open end
Electrical connection 2, number of connections/cores	21
Electrical connection 2, used connections/cores	12
electrical connection 2, type of mounting	Snap-locking Plug-in
Electrical connection 2, connection pattern	00995913 00997380
Operational voltage range DC	0 V ... 850 V
Operational voltage range AC	0 V ... 630 V
Current rating at 40° C	11.7 A ... 40 A
Immunity to surge	6 kV
Shielding	yes
Cable length	0.5 m ... 99.9 m
Cable characteristic	Suitable for energy chains
Test conditions cable	Test conditions on request
Bending radius, fixed cable	48 mm ... 74.8 mm
Bending radius, moving cable	90 mm ... 140.25 mm

Feature	Value
Cable diameter	12 mm ... 18.7 mm
Cable diameter tolerance	± 0.3 mm
Cable structure	$4 \times 0.75 \text{ mm}^2 + 1 \times (2 \times 0.75 \text{ mm}^2) + 1 \times (2 \times 0.24 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2)$ $4 \times 1.5 \text{ mm}^2 + 1 \times (2 \times 0.75 \text{ mm}^2) + 1 \times (2 \times 0.24 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2)$ $4 \times 2.5 \text{ mm}^2 + 1 \times (2 \times 1.0 \text{ mm}^2) + 1 \times (2 \times 0.24 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2)$ $4 \times 4 \text{ mm}^2 + 1 \times (2 \times 1.5 \text{ mm}^2) + 1 \times (2 \times 0.24 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2)$ $4 \times 6 \text{ mm}^2 + 1 \times (2 \times 1.5 \text{ mm}^2) + 1 \times (2 \times 0.24 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2)$
Nominal cross section conductor	6 mm ²
Wire ends	Wire ferrule Pin terminal
Degree of protection	IP00 IP20 IP67
Note on degree of protection	In assembled state
Ambient temperature	-40 °C ... 90 °C
Ambient temperature with moving cable	-25 °C ... 80 °C
Overvoltage category	III
CE mark (see declaration of conformity)	To EU Low Voltage Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions To UK regulations for electrical equipment
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant Free of halogen
Pollution degree	3
Corrosion resistance class CRC	1 - Low corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	Grey
Material insulating sheath	PP