Encoder cable
NEBM-M12G12-RS-2.23-N-M12G12H
Part number: 571902

FESTO
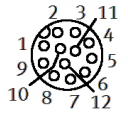
Data sheet

Feature	Value
Conforms to standard	DIN 47100
	EN 61984
Cable identification	Without inscription label holder
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Plug socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	12
Electrical connection 1, occupied pins/wires	11
Electrical connection 1, type of mounting	Screw locking with SW14
Electrical connection 2, function	Controller side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 2, number of pins/wires	12
Electrical connection 2, occupied pins/wires	11
Electrical connection 2, type of mounting	Screw locking with hexagonal SW18
Operating voltage range DC	0 ... 30 V
Nominal operating voltage DC	24 V
Operating voltage range AC	0 ... 30 V
Nominal operating voltage, AC	24 V
Acceptable current load at 40°C	1 A
Cable length	2.23 m
Cable attribute	For robots
Bending radius, flexible cable installation	>= 70 mm
Cable diameter	7 mm
Cable structure	12x0,14
	Shielded
Nominal conductor cross-section	0.14 mm2
Protection class	IP67
Note on degree of protection	in assembled condition
Ambient temperature	-25 ... 80 °C
Ambient temperature with flexible cable installation	0 ... 40 °C
CE symbol (see declaration of conformity)	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
PWIS conformity	VDMA24364-B2-L
Materials note	Conforms to RoHS
Degree of contamination	3
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath color	Black
Material housing	TPE-U(PUR)
Material seals	NBR
Material insulation	TPE-E