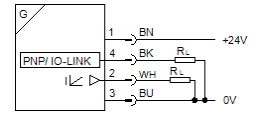
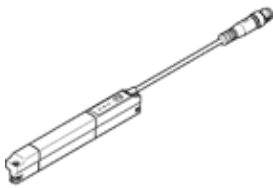


# position transmitter SDAP-MHS-M100-1L-A-E-0.3-M8

Part number: 8050121

FESTO



## Data sheet

Feature	Value
Design	for T-slot
Authorisation	RCM Mark c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Materials note	Conforms to RoHS Halogen-free
Measured variable	Position
Measuring principle	Hall magnetic
Sensing range	0 ... 100 mm
Ambient temperature	-25 ... 70 °C
Typical scanning interval	1 ms
Max. travel speed	3 m/s
Travel resolution	0.05 mm
Analogue output	4 - 20 mA
Sensitivity, current output	0.16 mA/mm
Typical linearity error in ± mm	±0,25 mm
Max. load resistance, current output	500 Ohm
Short circuit strength	Yes
Overload withstand capability	Available
Operating voltage range DC	15 ... 30 V
Residual ripple	10 %
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection 1, number of pins/wires	4
Electrical connection 1, type of mounting	Screw lock
Connector exit direction	axial
Material electrical contact	Gold-plated copper alloy
Test conditions of cable	Bending strength according to Festo standard Torsion resistance: > 300,000 cycles, ±270°/0.1 m Energy chain: > 5 million cycles, bending radius 28 mm
Cable length	0.3 m
Cable attribute	Suitable for energy chains/robot applications
Cable sheath colour	Grey
Material cable sheath	TPE-U(PUR)
Mounting type	Tightened Insertable in slot from above
Assembly position	Any
Product weight	26 g
Material housing	Nickel-plated brass PA-reinforced Polyester

Feature	Value
	High alloy steel, non-corrosive
Material of union nut	Nickel-plated brass
Material foil	Polyester
Ready status display	Green LED
Status display	Red LED
Ambient temperature with flexible cable installation	-20 ... 70 °C
Protection class	IP65 IP68
PWIS conformity	VDMA24364-B2-L