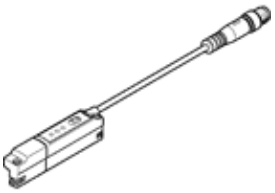
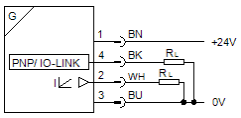
Position transmitter
SDAP-MHS-M50-1L-A-E-0.3-M8

Part number: 8050120

FESTO





Data sheet

Feature	Value
Design	for T-slot
Authorization	RCM Mark c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline 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 ... 50 mm
Ambient temperature	-25 ... 70 °C
Typical scanning interval	1 ms
Max. travel speed	3 m/s
Travel resolution	0.05 mm
Analog output	4 - 20 mA
Sensitivity, current output	0.32 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 color	Grey
Material cable sheath	TPE-U(PUR)
Mounting type	Tightened Insertable in slot from above
Assembly position	Any
Product weight	19 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