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

Part number: 8050120
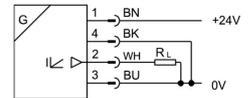
Data sheet

Feature	Value
Type code	SDAP
Design	for T-slot
Symbol	00995706
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
KC characters	KC EMC
Note on materials	RoHS-compliant Halogen-free
Measured variable	Position
Measuring principle	Magnetic Hall
Sensing range	0 µm ... 50000 µm
Ambient temperature	-25 °C ... 70 °C
Typical sampling interval	1 ms
Max. travel speed	3 m/s
Displacement resolution	0.05 mm
Analog output	4 - 20 mA
Sensitivity	0.32 mA/mm
Typical linearity error in ± mm	±0.25 mm
Max. load resistance of current output	500 Ohm
Short-circuit protection	yes
Overload protection	Available
DC operating voltage range	15 V ... 30 V
Residual ripple	10 %
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, number of pins/wires	4
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00991171
Connection outlet orientation	Longitudinal
Material of pin contacts	Copper alloy Gold-plated
Connector cable test conditions	Flexural strength: as per Festo standard Cable chain: 5 million cycles, bending radius 28 mm Torsional resistance: › 300 000 cycles, ±270°/0.1 m
Cable length	0.3 m

Feature	Value
Cable characteristic	Suitability for energy chains/robot applications
Color cable sheath	Gray
Material of cable sheath	TPE-U(PUR)
Type of mounting	Screwed tightly Can be inserted in slot from above
Mounting position	Any
Product weight	19 g
Housing material	Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel
Material of union nut	Brass, nickel-plated
Film material	Polyester
Ready status indication	LED green
Status indicator	LED red
Ambient temperature with flexible cable installation	-20 ºC ... 70 ºC
Degree of protection	IP65 IP68