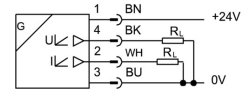


Position transmitter SMAT-8E-S50-IU-E-0,3-M8D

Part number: 570134

FESTO



Data sheet

Feature	Value
Type code	SMAT-8E
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
KC characters	KC EMC
Electrical connection for input 1, connection pattern	00991171
Electrical connection 1, number of pins/wires	4
Design	for T-slot
Symbol	00991868
Certification	c UL us - Listed (OL) RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	RoHS-compliant Free of copper and PTFE Halogen-free
Measured variable	Position
Measuring principle	Magnetic
Position measuring range	48 mm ... 52 mm
Ambient temperature	-20 °C ... 50 °C
Typical sampling interval	2.85 ms
Max. travel speed	3 m/s
Displacement resolution	0.064 mm
Repetition accuracy in ± mm	0.128 mm
Analog output	0 - 10 V 4 - 20 mA
Sensitivity	0.305 mA/mm
Sensitivity	0.152 V/mm
Typical linearity error in ± mm	±0.25 mm
Max. load resistance of current output	500 Ohm
Min. load resistance of voltage output	2 kOhm
Short-circuit protection	yes
Overload protection	Available
DC operating voltage range	15 V ... 30 V
Idle current	32 mA
Reverse polarity protection	for all electrical connections
Connection outlet orientation	Longitudinal
Cable characteristic	Suitability for energy chains/robot applications

Feature	Value
Material of cable sheath	TPE-U(PUR)
Mounting position	Any
Product weight	21.4 g
Housing material	PC PA-reinforced
Ready status indication	LED green
Status indicator	LED red = outside measurement range
Ambient temperature with flexible cable installation	-20 °C ... 50 °C
Degree of protection	IP65 IP68
Corrosion resistance class (CRC)	2 - Moderate corrosion stress