

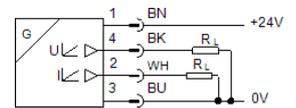
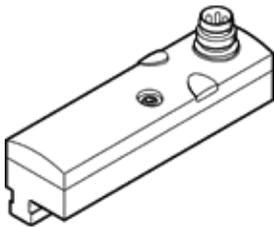
position transmitter SMAT-8E-S50-IU-M8

Part number: 540191
Product to be discontinued

FESTO

With integrated signal processing, analogue electrical outputs and visual operational state indication. Is mounted in the T slot.

Type to be discontinued. Available until 2023. See Support Portal for alternative products.



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
Certificate issuing department	UL E232949
Materials note	Free of copper and PTFE Conforms to RoHS Halogen-free
Instructions for use	Support / Antrieb-Sensor-Übersicht „Der passende Sensor zum Antrieb“
Measured variable	Position
Measuring principle	Hall magnetic
Distance measuring range	48 ... 52 mm
Ambient temperature	-20 ... 50 °C
Typical scanning interval	2.85 ms
Max. travel speed	3 m/s
Travel resolution	0.064 mm
Repetition accuracy in ± mm	0.128 mm
Hysteresis	0.064 mm
Analogue output	0 - 10 V 4 - 20 mA
Sensitivity, current output	0.305 mA/mm
Sensitivity, voltage output	0.152 V/mm
Typical linearity error in ± mm	±0,25 mm
Max. load resistance, current output	500 Ohm
Min. load resistance, voltage output	2 kOhm
Short circuit strength	Yes
Overload withstand capability	Available
Operating voltage range DC	15 ... 30 V
Residual ripple	10 %
Idle current	32 mA
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection 1, number of pins/wires	4
Connector exit direction	Lateral
Material electrical contact	Brass, gold-plated
Mounting type	Clamped in T-slot

Feature	Value
	Insertable into slot lengthwise
Assembly position	Any
Product weight	15 g
Housing colour	Black
Material housing	PA-reinforced PC
Material of union nut	Nickel-plated brass
Ready status display	Green LED
Status display	LED red=leaving measurement range
Protection class	IP65 IP67
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L