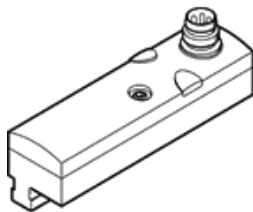


position transmitter SMAT-8E-S50-IU-M8

Part number: 540191

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


FESTO

[PDF](#) General operating conditions

[PDF](#) Data sheet

Data sheet

Feature	Value
Design	for T-slot
Authorisation	C-Tick c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
Special characteristics	Oil resistant
Materials note	Free of copper and PTFE Conforms to RoHS Halogen-free
Measured variable	Position
Measuring principle	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	0.064 mm
Analogue output	0 - 10 V 4 - 20 mA
Sensitivity, current output	0.305 mA/mm
Sensitivity, voltage output	0.152 V/mm
Typ. linearity error o.m.v.	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
Idle current	32 mA
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M8x1, A-coded
Electrical connection 1, number of pins/wires	4
Electrical connection 1, type of mounting	Screw lock
Material cable sheath	TPE-U(PUR)
Assembly position	Any
Product weight	15 g
Material housing	PA-reinforced PC
Ready status display	Green LED
Status display	LED red=leaving measurement range
Protection class	IP65 IP67
Corrosion resistance classification CRC	2 - Moderate corrosion stress

