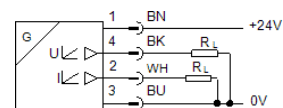
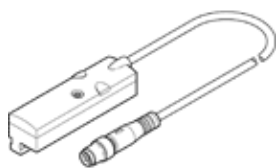


# position transmitter SMAT-8E-S50-IU-E-0,3-M8D

Part number: 570134

FESTO



## 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
KC mark	KC-EMV
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	0.128 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
Idle current	32 mA
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
Cable attribute	Energy chain + robot
Material cable sheath	TPE-U(PUR)
Assembly position	Any
Product weight	21.4 g
Material housing	PA-reinforced PC
Ready status display	Green LED
Status display	LED red=leaving measurement range
Ambient temperature with flexible cable installation	-20 ... 50 °C
Protection class	IP65 IP68
Corrosion resistance classification CRC	2 - Moderate corrosion stress