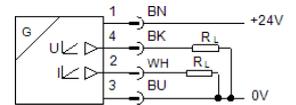


Position transmitter SMAT-8E-S50-IU-E-0,3-M8D

Part number: 570134
Product to be discontinued

FESTO

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



Data sheet

Feature	Value
Design	for T-slot
Authorization	RCM Mark c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline 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
Analog 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	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
Material electrical contact	Brass, gold-plated
Cable length	0.3 m
Cable attribute	Energy chain + robot

Feature	Value
Cable sheath color	Grey
Material cable sheath	TPE-U(PUR)
Mounting type	Clamped in T-slot Insertable into slot lengthwise
Assembly position	Any
Product weight	21.4 g
Housing color	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
Ambient temperature with flexible cable installation	-20 ... 50 °C
Protection class	IP65 IP68
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L