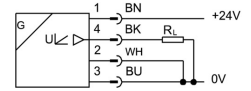


Position transmitter SMAT-8M-U-E-0,3-M8D

Part number: 553744

FESTO



Data sheet

Feature	Value
Type code	SMAT-8M SMAT-8M
Electrical connection 1, type of mounting	Screw-type lock Screw-type lock
Electrical connection 1, connection type	Cable with plug Cable with plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104 M8x1 A-coded as per EN 61076-2-104
KC characters	KC EMC
Electrical connection for input 1, connection pattern	00991171 00991171
Electrical connection 1, number of pins/wires	4
Design	for T-slot for T-slot
Symbol	00992260
Certification	RCM compliance mark c UL us - Listed (OL) RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU EMC directive
Note on materials	Halogen-free RoHS-compliant RoHS-compliant Halogen-free
Measuring principle	Magnetic Magnetic
Position measuring range	≤40 mm
Ambient temperature	-25 °C ... 75 °C
Typical sampling interval	2.8 ms
Max. travel speed	3 m/s
Displacement resolution	≤0.05 mm
Repetition accuracy in ± mm	0.2 mm
Analog output	0 - 10 V
Typical linearity error in ± mm	±0.2 mm on pneumatic grippers ±1 mm on cylinders ±1 mm on cylinders
Short-circuit protection	yes
Overload protection	Available Available

Feature	Value
Output signal	Analog
DC operating voltage range	15 V ... 30 V
Reverse polarity protection	for all electrical connections for all electrical connections
Connector cable test conditions	Torsional resistance: > 300 000 cycles, $\pm 270^\circ/0.1$ m Test conditions on request Cable chain: 50,000 cycles, bending radius 30 mm Flexural strength: as per Festo standard Test conditions on request Cable chain: 50,000 cycles, bending radius 30 mm Torsional resistance: > 300 000 cycles, $\pm 270^\circ/0.1$ m
Cable length	0.3 m
Cable characteristic	Suitability for energy chains/robot applications Suitability for energy chains/robot applications
Material of cable sheath	TPE-U(PUR) TPE-U(PUR)
Type of mounting	Can be inserted in slot from above Screwed tightly Screwed tightly Can be inserted in slot from above
Product weight	10 g
Housing material	PA6-reinforced PA6-reinforced
Status indicator	LED red, green LED red, green
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Degree of protection	IP65 IP68 IP65 IP68
Corrosion resistance class (CRC)	2 - Moderate corrosion stress 2 - Moderate corrosion stress