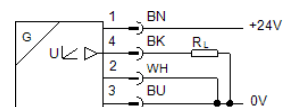
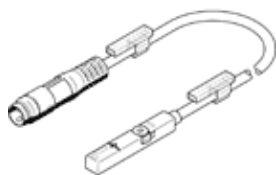


position transmitter SMAT-8M-U-E-0,3-M8D

Part number: 553744

FESTO

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



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	Conforms to RoHS Halogen-free
Measuring principle	Magnetic
Distance measuring range	≤ 40 mm
Ambient temperature	-25 ... 75 °C
Typical scanning interval	2.8 ms
Max. travel speed	3 m/s
Travel resolution	≤ 0.05 mm
Repetition accuracy in ± mm	0.2 mm
Analogue output	0 - 10 V
Typical linearity error in ± mm	± 0.2 mm on grippers ± 1 mm on cylinders
Short circuit strength	Yes
Overload withstand capability	Available
Output signal	Analogue
Operating voltage range DC	15 ... 30 V
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
Test conditions of cable	Bending strength according to Festo standard Test conditions on request Energy chain: 50.000 cycles, bending radius 30 mm Torsion resistance: > 300,000 cycles, ±270°/0.1 m
Cable length	0.3 m
Cable attribute	Energy chain + robot
Material cable sheath	TPE-U(PUR)
Mounting type	Tightened Insertable in slot from above
Product weight	10 g
Material housing	PA6 reinforced
Status display	LED red, green
Ambient temperature with flexible cable installation	-5 ... 70 °C
Protection class	IP65 IP68
Corrosion resistance classification CRC	2 - Moderate corrosion stress