

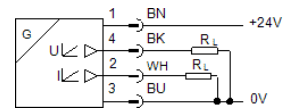
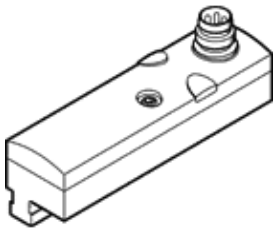
Position transmitter SMAT-8E-S50-IU-M8

Part number: 540191
Product to be discontinued

FESTO

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

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 | Plug |
| Electrical connection 1, connection technology | M8x1, A-coded to EN 61076-2-104 |
| Electrical connection 1, number of pins/wires | 4 |
| Connector exit direction | Lateral |
| Material electrical contact | Brass, gold-plated |
| Mounting type | Clamped in T-slot |

| Feature | Value |
|---|-----------------------------------|
| | Insertable into slot lengthwise |
| Assembly position | Any |
| Product weight | 15 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 |
| Protection class | IP65 IP67 |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B2-L |