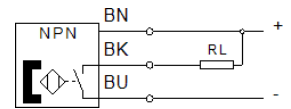
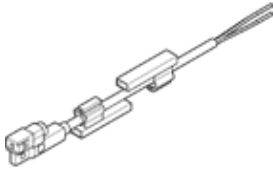


Proximity Sensor SMT-8G-NS-24V-E-2,5Q-OE

Part number: 8065028

FESTO

Magnetic, contactless, for T-slot.



Data sheet

| Feature | Value |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design | for T-slot |
| Based on the standard | EN 60947-5-2 |
| 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 | Conforms to RoHS |
| Instructions for use | Support / Actuator-sensor overview "The right sensor for the actuator" |
| Measured variable | Position |
| Measuring principle | Magneto-resistive |
| Ambient temperature | -20 ... 70 °C |
| Repetition accuracy | 0.2 mm |
| Switch output | NPN |
| Switching element function | Normally open contact |
| Switch-on time | ≤ 1 ms |
| Switch-off time | ≤ 1 ms |
| Max. switching frequency | 150 Hz |
| Max. output current | 100 mA |
| Max. contact rating DC | 2.8 W |
| Voltage drop | ≤ 2 V |
| Inductive protective circuit | Adapted to MZ-, MY-, ME coils |
| Residual current | ≤ 0.15 mA |
| Short circuit strength | Yes |
| Overload withstand capability | Available |
| Nominal operating voltage DC | 24 V |
| Operating voltage range DC | 10 ... 30 V |
| Residual ripple | 10 % |
| Polarity protected | for all electrical connections |
| Electrical connection 1, connection type | Cable |
| Electrical connection 1, connection technology | Open end |
| Electrical connection 1, number of pins/wires | 3 |
| Connector exit direction | Lateral |
| Test conditions of cable | Bending strength according to Festo standard Test conditions on request Torsion resistance: > 300,000 cycles, ±270°/0.1 m Energy chain: > 5 million cycles, bending radius 28 mm |
| Cable length | 2.5 m |
| Cable attribute | Suitable for energy chains/robot applications |
| Cable sheath color | Grey |
| Material cable sheath | TPE-U(PU) |

| Feature | Value |
|------------------------------------------------------|--------------------------------------------------------------|
| Wire ends | Wire end ferrule |
| Mounting type | Clamped in T-slot Insertable into slot lengthwise |
| Max. tightening torque | 0.8 Nm |
| Assembly position | Any |
| Product weight | 30 g |
| Housing color | Black |
| Material housing | Aluminum PA-reinforced High alloy steel, non-corrosive |
| Operating status display | Yellow LED |
| Ambient temperature with flexible cable installation | -5 ... 70 °C |
| Protection class | IP65 IP68 |
| PWIS conformity | VDMA24364-B2-L |
| RSBP classification to CD-0033 | F1a |
| Cleanroom class | ISO class 4 |