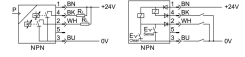


Air gap sensor SOPA-CM4H-R1-HQ6-2N-M12

Part number: 552137

FESTO



Data sheet

| Feature | Value |
|--|--|
| Certification | RCM compliance mark c UL us - Recognized (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| KC characters | KC EMC |
| Note on materials | RoHS-compliant |
| Detected variable | Gap |
| Measuring principle | Pneumatic |
| Sensing range | 20 µm...200 µm |
| Operating pressure | 4 bar...7 bar |
| Supply pressure | 0.8 bar...1.6 bar |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Ambient temperature | 0 °C...50 °C |
| Repetition accuracy in ± µm | 2.5 µm |
| Switching output | 2xNPN |
| Switching function | Window comparator Threshold value with variable hysteresis |
| Switching element function | N/C contact/N/O contact switchable |
| Max. output current | 100 mA |
| Short-circuit protection | yes |
| DC operating voltage range | 22.8 V...26.4 V |
| Max. current consumption | 1100 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, connection technology | M12x1 A-coded as per EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 5 |
| Electrical connection 1, type of mounting | Screw-type lock |

| Feature | Value |
|----------------------------------|--|
| Type of mounting | Optionally: With through-hole With H-rail With wall/surface bracket |
| Pneumatic connection | QS-6 |
| Product weight | 690 g |
| Housing material | Aluminum, anodized PA-reinforced |
| Display type | Illuminated LCD, multi-color |
| Setting options | Teach-in Via display and pushbuttons |
| Protection against tampering | Electronic interlock |
| Degree of protection | IP65 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-C1-L |