

Air gap sensor SOPA-CM2H-R1-WQ6-2P-M12

Part number: 552139

FESTO



General operating condition

Data sheet

| Feature | Value |
|--|--|
| Symbol | 00995372 |
| Approval | RCM c UL us - Recognised (Oil) |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| KC mark | KC-EMV |
| Note on materials | RoHS compliant |
| Detected variable | Distance |
| 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 to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Ambient temperature | 0 °C ... 50 °C |
| Repetition accuracy in ± µm | 2.5 µm |
| Switching output | 2xPNP |
| Switching function | Window comparator Threshold value with variable hysteresis |
| Switching element function | NC or NO, switchable |
| Max. output current | 100 mA |
| Short circuit current rating | Yes |
| Operational voltage range DC | 22.8 V ... 26.4 V |
| Max. current consumption | 600 mA |
| Reverse polarity protection | For all electrical connections |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, connector system | M12x1, A-coded to EN 61076-2-101 |
| Electrical connection 1, number of connections/cores | 5 |
| Electrical connection 1, type of mounting | Not rotatable |
| Electrical connection 1, compatible type of mounting | Compatible with rotatable screw-type lock |
| Electrical connection 1, connection pattern | 00991172 |
| Type of mounting | With through-hole via DIN rail Via wall/surface bracket |
| Pneumatic connection | QS-6 |

| Feature | Value |
|--------------------------------|-------------------------------------|
| Product weight | 570 g |
| Material housing | Anodised aluminium Reinforced PA |
| Display type | Illuminated LCD, multi-colour |
| Setting options | Teach-in Via display and buttons |
| Protection against tampering | Electronic interlock |
| Degree of protection | IP65 |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-C1-L |