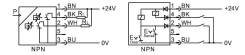


# Air gap sensor

## SOPA-CM4H-R1-HQ6-2N-M12

Part number: 552137

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Certification                                  | RCM compliance mark<br>c UL us - Recognized (OL)                   |
| CE marking (see declaration of conformity)     | As per EU EMC directive<br>As per EU RoHS directive                |
| UKCA marking (see declaration of conformity)   | To UK instructions for EMC<br>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<br>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                 | With through-hole<br>With H-rail<br>With wall/surface bracket<br>Optionally: |
| Pneumatic connection             | QS-6   |
| Product weight                   | 690 g  |
| Housing material                 | Aluminum, anodized<br>PA-reinforced  |
| Display type                     | Illuminated LCD, multi-color   |
| Setting options                  | Teach-in<br>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   |