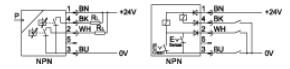
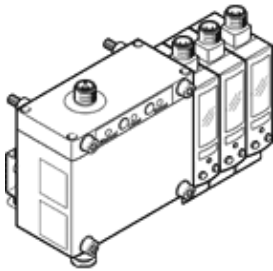


# air gap sensor SOPA-CM3H-R1-HQ6-2N-M12

Part number: 552136

FESTO

For contactless distance sensing.



## Data sheet

| Feature  | Value  |
|--|--|
| Authorisation                                  | RCM Mark<br>c UL us - Recognized (OL)  |
| CE mark (see declaration of conformity)        | to EU directive for EMC<br>in accordance with EU RoHS directive                |
| UKCA marking (see declaration of conformity)   | To UK instructions for EMC<br>To UK RoHS instructions                          |
| KC mark  | KC-EMV   |
| Materials note                                 | Conforms to RoHS   |
| Detected variable                              | Distance   |
| Measuring principle                            | pneumatic  |
| Sensing range                                  | 20 ... 200 µm  |
| Operating pressure                             | 4 ... 7 bar  |
| Supply pressure                                | 0.8 ... 1.6 bar  |
| Operating medium                               | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                       |
| Note on operating and pilot medium             | Lubricated operation possible (subsequently required for further operation)    |
| Ambient temperature                            | 0 ... 50 °C  |
| Repetition accuracy in ± µm                    | 2.5 µm   |
| Switch output                                  | 2xNPN  |
| Switching function                             | Window comparator<br>Threshold value with variable hysteresis                  |
| Switching element function                     | N/C or N/O contact, switchable   |
| Max. output current                            | 100 mA   |
| Short circuit strength                         | Yes  |
| Operating voltage range DC                     | 22.8 ... 26.4 V  |
| Max. current consumption                       | 850 mA   |
| Polarity protected                             | for all electrical connections   |
| Electrical connection 1, connection type       | Plug   |
| Electrical connection 1, connection technology | M12x1, A-coded in accordance with EN 61076-2-101                               |
| Electrical connection 1, number of pins/wires  | 5  |
| Electrical connection 1, type of mounting      | Screw lock   |
| Mounting type                                  | with through hole<br>with top-hat rail<br>with wall/surface fixing<br>Optional |
| Pneumatic connection                           | QS-6   |
| Product weight                                 | 630 g  |
| Material housing                               | Anodised aluminium<br>PA-reinforced  |
| Type of display                                | Illuminated LCD, multicoloured   |
| Setting options                                | Teach-In<br>Via display and buttons  |
| Protection against manipulation                | Electronic locking   |
| Protection class                               | IP65   |
| Corrosion resistance classification CRC        | 2 - Moderate corrosion stress  |
| PWIS conformity                                | VDMA24364-C1-L   |