

# air gap sensor SOPA-CM1H-R1-HQ6-2N-M12

Part number: 552134

FESTO

For contactless distance sensing.



## Data sheet

Feature	Value
Authorisation	RCM Mark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
KC mark	KC-EMV
Materials note	Free of copper and PTFE 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 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
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 with top-hat rail with wall/surface fixing Optional
Pneumatic connection	QS-6
Product weight	510 g
Material housing	Anodised aluminium PA-reinforced
Type of display	Illuminated LCD, multicoloured
Setting options	Teach-In Via display and buttons
Protection against manipulation	Electronic locking
Protection class	IP65
Corrosion resistance classification CRC	2 - Moderate corrosion stress