

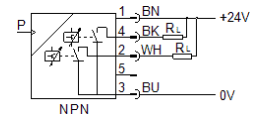
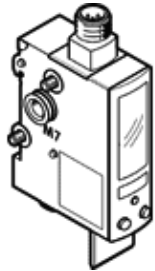
# air gap sensor

## SOPA-M1-R1-HQ6-2N-M12

Part number: 552147

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
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Materials note	Conforms to RoHS
Detected variable	Distance
Measuring principle	pneumatic
Sensing range	20 ... 200 µm
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	15 ... 30 V
Max. current consumption	250 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 with top-hat rail Optional
Pneumatic connection	QS-6
Product weight	60 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
PWIS conformity	VDMA24364-C1-L