air gap sensor
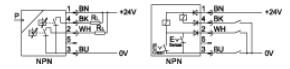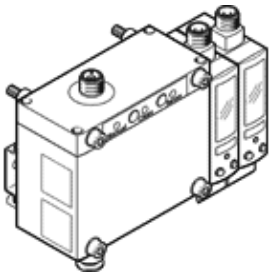# SOPA-CM2H-R1-WQ6-2N-M12
Part number: 552143

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
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
Max. current consumption	600 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
	with wall/surface fixing
	Optional
Pneumatic connection	QS-6
Product weight	570 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