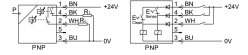# Air gap sensor SOPA-CM4H-R1-WQ6-2P-M12

Part number: 552141

Data sheet

Feature	Value
Certification	RCM compliance mark c UL us - Recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC 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 ºC...50 ºC
Repetition accuracy in ± µm	2.5 µm
Switching output	2xPNP
Switching function	Window comparator 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	Optionally: With through-hole With H-rail With wall/surface bracket
Pneumatic connection	QS-6
Product weight	690 g
Housing material	Aluminum, anodized PA-reinforced
Display type	Illuminated LCD, multi-color
Setting options	Teach-in 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