Air gap sensor
SOPA-CM2H-R1-HQ6-2N-M12

Part number: 552135
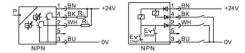
Data sheet

General operating condition

Feature	Value
Symbol	00995373
Approval	RCM trademark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	To EU EMC Directive 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
Note on materials	RoHS-compliant
Detected variable	Distance
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 to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Ambient temperature	0 °C ... 50 °C
Repetition accuracy in ± μm	2.5 μm
Switching 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 current rating	yes
Operational voltage range DC	22.8 V ... 26.4 V
Max. current consumption	600 mA
Reverse polarity protection	For all electrical connections
Electrical connection 1, connection type	Plugs
Electrical connection 1, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	5
Electrical connection 1, type of mounting	Screw-type lock Not rotatable
Electrical connection 1, compatible type of mounting	Compatible with rotatable screw-type lock
Electrical connection 1, connection pattern	00991172

Feature	Value
Type of mounting	Either: With through-hole With H-rail Via wall/surface bracket
Pneumatic connection	QS-6
Product weight	570 g
Material housing	Anodised aluminium PA-reinforced
Display type	Illuminated LCD, multi-colour
Setting options	Teach-in Via display and keys
Protection against tampering	Electronic interlock
Degree of protection	IP65
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-C1-L