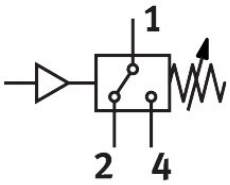
Vacuum switch
VPEV-1/8-M12

Part number: 192489





Data sheet

Feature	Value
Conforms to standard	EN 60947-5-1
Certification	CCC c UL us - recognized (OL)
CE marking (see declaration of conformity)	As per EU low voltage directive
UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment
Explosion prevention and protection	Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Note on materials	RoHS compliant
Measured variable	Relative pressure
Method of measurement	Pneumatic/electric pressure transducer
Pressure measuring range	-0.1 MPa...0.16 MPa -1 bar...1.6 bar -14.5 psi...23.2 psi
Operating pressure	-0.1 MPa...0.16 MPa -1 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)
Temperature of medium	-20 °C...80 °C
Ambient temperature	-20 °C...80 °C
Switching element function	Changeover switch
Max. switching frequency	3 Hz
Max. switching output voltage AC	48 V
Max. switching output voltage DC	48 V
Max. output current	4000 mA
Minimum load current	1 mA at 24 V 10 mA at 10 V 100 mA at 5V
Utilization category for inductive load	AC-14 DC-13
Utilization category for ohmic load	AC-12 DC-12

Feature	Value
Electrical connection	4-pin M12x1 Plug As per EN 60947-5-2 Round design
Type of mounting	With through-hole
Mounting position	Any
Pneumatic connection	G1/8
Product weight	220 g
Housing material	Wrought aluminum alloy
Switching contact material	Silver
Setting range threshold value	-0.95 bar...-0.2 bar
Setting range threshold value after conversion	0.16 bar...1.6 bar
Degree of protection	IP65
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L