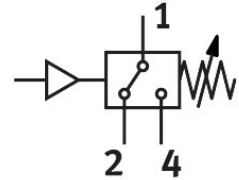


# Vacuum switch VPEV-1/8-M12

Part number: 192489

FESTO



[PDF General operating condition](#)

## Data sheet

Feature	Value
Conforms to standard	EN 60947-5-1
Symbol	00991472
Approval	CCC c UL us - Recognized (OL)
CE mark (see declaration of conformity)	To EU Low Voltage Directive
CE marking (see declaration of conformity)	To UK regulations for electrical equipment
Explosion protection	The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Note on materials	RoHS-compliant
Measured variable	Relative pressure
Measurement method	Pneumatic/electric pressure transducer
Pressure measuring range	-0.1 MPa ... 0.16 MPa
Pressure measuring range	-1 bar ... 1.6 bar
Pressure measuring range	-14.5 psi ... 23.2 psi
Operating pressure	-0.1 MPa ... 0.16 MPa
Operating pressure	-1 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)
Media temperature	-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
Min. load current	1 mA at 24 V 10 mA at 10 V 100 mA at 5 V
Utilisation category - inductive load	AC-14 DC-13
Utilisation category - resistive load	AC-12 DC-12

Feature	Value
Electrical connection	4-pin M12x1 Plugs To EN 60947-5-2 Round design
Type of mounting	With through-hole
Mounting position	optional
Pneumatic connection	G1/8
Product weight	220 g
Material housing	Wrought aluminium alloy
Material switch contact	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