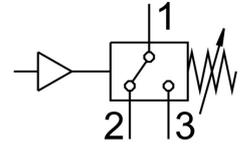


Vacuum switch VPEV-1/8

Part number: 150261

FESTO



Data sheet

Feature	Value
Type code	VPEV
Conforms to standard	EN 60947-5-1
Symbol	00991471
Certification	CCC
CE marking (see declaration of conformity)	As per EU low voltage directive
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	-1 bar ... 1.6 bar
Operating pressure	-0.1 MPa ... 0.16 MPa
Operating pressure	-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	250 V
Max. switching output voltage DC	125 V
Max. output current	5000 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
Electrical connection	Form A Plug as per DIN 43650 Rectangular design
Type of mounting	With through-hole
Mounting position	Any
Pneumatic connection	G1/8

Feature	Value
Product weight	240 g
Housing material	Wrought aluminum alloy
Switching contact material	Silver
Switching status indication	LED yellow
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