PSE 100 E Electric Vacuum Switch

The PSE 100 E series vacuum switch with electric output allows the vacuum level in the system to be checked by means of a patented system.

> All non-corrosive gases 250 V - 5 A with cable

-400 mb to -800 mb

< 3% of the whole range

2 bar (destructive at 5 bar)

30 cycles per minute

5 x 10⁶ operations

3%

125 mb

250 V - 3 A with M12 connector

Two versions: PSE 100 E and PSE 100 EC

M12 female connector or 3 wire PVC cable. length 2 m

Body: Polyacetal - Vacuum sensor: nitrile membrane

IP 54 with hollow shaft connected - IP 40 without this fitting

PSE 100 E: 165 g and PSE 100 EC: 37 g

-10 °C to 80 °C / 14 °F to 176 °F

- It is adapted to all electrical automated systems.
- The choice between the NO or NC function is made during wiring.



Industry-specific applications



PVC cable (length 2m)



3 : -4 : NC Contact



Brown: Common White: NO Contact Black: NC Contact

Connection for EC version (M12) Straight PVC cable, 2 meters: Part No CD M12.

Elbow PVC cable, 2 meters: Part No CC M12. See page 11/12.

Dimensions

Specifications

Compatible fluids

Switching power

Adjustment range

Maximum speed

Permissible overpressure

Mechanical endurance

Precision

Hysteresis

Repetitivity

Materials

Protection

Temperature

Weight

Electrical connection

Models





PSE 100 P Pneumatic Vacuum Switch

(1)

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(object detected, etc.) and "SFC signal".

Dimensions

(3)

(5)

(3) Vacuum

(4) NO or NC output(5) Pressure input

G1/8"-M

ğ

(1) Vacuum threshold - Adjustment screw

(2) Hollow shaft for tube, inside Ø 2.7 mm

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The PSE 100 P series vacuum switch with pneumatic output allows the vacuum level in the system to be checked by means of a patented system. This vacuum switch exists in two versions: NO version recommended for the "air saving" function on a venturi and NC version for the "safety" function

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Industry-specific applications



NC



(2)

Additional Information

NO

Mounting as GVO option in the GVP / GEMP vacuum pump range.

Pneumatic connection



Vacuum switch attachment - Clip Part No: PSE.F



For all orders, please specify: Model + Version. Example: PSE100PNO					
	1: Model	2: V	ersion		
	PSE 100 P	NO NF	Normally Open (NO) Normally Closed (NC)		

Note: all dimensions shown in (mm)



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PSE 100 PK Pneumatic Vacuum Switch

The PSE 100 K vacuum switch with pneumatic output is used to check the vacuum level in the circuit.

It is recommended for measuring slowly changing vacuum levels such as regulating or checking vacuum levels in networks over 1 liter.

This vacuum switch exists in two versions: NO version recommended for the "air saving" function on a venturi and NC version for the "safety" function (object detected, etc.) and "SFC signal".

Specifications

•	
Models	Two versions: NO and NC
Compatible fluids	All non-corrosive, non-lubricated gases
Operating pressure	2 to 6 bar
Adjustment range	NF: -250 to -830 mb, NO: -350 to -880 mb
Precision	± 10 %
Hysteresis	NF: 10 mb - NO: 200 mb
Repetitivity	< 3% of the whole range
Maximum speed	30 cycles per minute
Permissible overpressure	2 bar (destructive at 5 bar) (on vacuum measuring orifice)
Mechanical endurance	5 x 10 ⁶ operations
Materials	Body: Polyacetal - Vacuum sensor: nitrile membrane
Weight	32 g
Temperature	-10 °C to 80 °C / 14 °F to 176 °F
Flow rate at 6 bar	66 NI/min



Industry-specific applications





Dimensions



Additional Information

Mounting in GVO option in the GVP / GEMP vacuum pump range.

Pneumatic connection



Vacuum switch attachment - Clip Part No: PSE.F



Note: all dimensions shown in (mm)



Mode Mode	el + 1	ders, please specify: Version. PSE100PKNO
1: Model 2: V		Version
PSE 100 PK	NO NF	Normally Open (NO) Normally Closed (NC)

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