

# ADJUSTABLE PRESSURE SWITCH SPDT TYPE PS271

Max Voltage: 250 Volt  
 Current: 6 A Resistive  
 Certification: CE  
 Contact: Changeover SPDT  
 Standard materials: Zinc plated steel Body  
 HNBR membrane  
 Switch housing Nylon 6/6  
 Silver plated Contact  
 Electrical protection: IP65 with DIN43650 Connector  
 Mechanical life: 10<sup>6</sup> cycles (Membrane)  
 Pressure Setting: Internal screw  
 Mounting: Hexagonal body Sw 27



Rev.07/2018

## ORDERING CODE

**PS271 50 ZP V S14 T42**

<b>TYPE</b>	Pressure switch SPDT SW 27
<b>ADJUSTABLE RANGE</b>	1 - 2 - 10 - 20 - 50 - 300
<b>BODY MATERIALS</b>	ZP - BR - SS3 - SS6
<b>MEMBRANE MATERIALS</b>	HN - V - S - E - SS
<b>CONTACT</b>	SPDT
<b>PROCESS CONNECTIONS</b>	18 - 14 - 10K - 18C - 14C
<b>SPECIAL EXECUTIONS</b>	T - TD - G - ST** - SW

## CODE EXPLANATION

**TYPE**  
 PS271 Adjustable Pressure Switch SPDT SW 27

**RANGE**  
 1 0,1 ÷ 1 bar  
 2 0,2 ÷ 2 bar  
 10 1,5 ÷ 10 bar  
 20 9 ÷ 20 bar  
 50 15 ÷ 50 bar  
 100 10 ÷ 100  
 300 40 ÷ 300 bar

**BODY MATERIALS**  
 ZP Zinc plated steel (standard)  
 BR Brass (P. Max 80 bar)  
 SS3 Stainless steel AISI 303  
 SS6 stainless steel AISI 316

**MEMBRANE/GASKET MATERIALS - TEMPERATURE**  
 HN HNBR -20 ... +120 °C (standard)  
 NB NBR -20 ... +90 °C  
 V FKM -25 ... +120 °C  
 S Silicone -40 ... +140 °C  
 E EPDM -20 ... + 120 °C  
 SS Inox -30 ... +140 °C (P. Max 80 bar)

**CONTACT**  
 S Changeover SPDT  
**PROCESS CONNECTIONS** Quote A

18 1/8 Gas Taper  
 14 1/4 gas Taper  
 10K M10 x 1 Taper  
 18C 1/8 Gas Parallel  
 14C 1/4 Gas Parallel

**SPECIAL EXECUTIONS**  
 T Rising set point @ indicated value  
 TD Falling set point @ indicated value  
 G Gold plated Contact for low current  
 SG Degreased for oxygen  
 ST\*\* Special threads (NPT, SAE, Metrico etc...)  
 SW Special wiring (Automotive, Integrated/free connector etc...)

Type	Adjustable range (bar rel.)	Maximum static pressure	Hysteresis @ 25°C (bar)	Set Point Tolerance @ 25°C (bar)	Execution
<b>PS271</b>					
1	0,1 ÷ 1	350 bar	30% SPV*	±0,08	Membrane
2	0,2 ÷ 2	350 bar	30% SPV*	±0,15	Membrane
10	1,5 ÷ 10	350 bar	30% SPV*	±0,8	Membrane
20	9 ÷ 20	350 bar	30% SPV*	±1,0	Membrane
50	15 ÷ 50	350 bar	30% SPV*	±2,0	Membrane
100	10 ÷ 100	350 bar	30% SPV*	±5,0	Membrane
300	40 ÷ 300	600 bar	30% SPV*	±15	Piston

\* Set Point Value

