

Adjustable pressure switches PMN... Subminiature series Adjusting range from 0.1 to 300 Bar

USE

This series of subminiature pressure switches is generally used to check the pressure either in oil or grease lubrication plants and hydraulic, pneumatic and water circuits. These pressure switches are designed with an hexagonal body, NBR oil-proof membrane, silver contacts, faston connection and springs to balance and adjust the pressure to be checked. To adjust the pressure, turn with a small screwdriver the V adjusting screw, paying attention not to affect the spring.

On request pressure switches set at the required value are supplied.

NO or NC electric contact position refers to the status in absence of pressure. It is advisable to protect the electric connections and the internal parts against moisture and dust infiltration using protection CAP1 or CAP10.

PRESSURE SWITCH MATERIALS FOR STANDARD EXECUTION

"F" Contact holder	Nylon 6,6
Protection caps	NBR black
Membrane	NBR
Ch24 Body	Brass
Electric contacts	Silver plated copper 3 micron
Piston for high pressure	NBR
Ch24 Body	Tropicalized steel

TECHNICAL DATA FOR STANDARD EXECUTION

Maximum voltage	48 V
Current	0.5A (resistive) 0.2A (inductive)
Working temperature	-5° + 60° C
Protection	IP 00
Protection with CAP 1	IP 54
Protection with CAP 10	IP 54
Max. no. of strokes at 25 °C	200/1" NBR membrane
Max. no. of strokes at 25 °C	80/1" NBR piston
Mechanical life	10 ⁶ cycles
Stiffness test	1500 V - 10 mA - 10"
Tightening torque	max. 5 Kgm

EXAMPLE

ORDERING EXAMPLE

PART NO.

PMN	50	A	14K
31561			

ORDERING CODE

PMN...	Pressure switch with faston 6.3 x 0.8
A	NO contact (without pressure)
C	NC contact (without pressure)
T2	Set Point adjustment rising at the required value (2 bar)
T2D	Set Point adjustment falling at the required value (2 bar)

Special Membranes (on request)

V	Viton membrane (-5 °C +90 °C)
S	Silicone membrane (-30 °C +120 °C)
NT	HNBR special membrane (-40 °C +140 °C)
N	Neoprene membrane (-10 °C + 90 °C)
E	EPDM membrane (-20 °C +110 °C)
MI	Stainless steel membrane

Available threads (C)

-	G1/8K taper thread standard
14K	G1/4K taper thread
10K	M10 x 1 taper thread
M12	M12 x 1,5 parallel
R14	G1/4 parallel

Special executions (on request)

I	Body in AISI 303 stainless steel
P	Pocan contact holder temp. -40 °C + 140 °C
AP	Execution for high pressure with body in tropicalized steel
G	Gold plated 3 micron contacts for low current
SG	Degreased for oxygen
TG	Tested for gases

IN COMPLIANCE WITH CE 89/336 STANDARDS EMC No. 147E/96 REPORT

