

ADJUSTABLE PRESSURE SWITCHES TYPE PSM-PSP

Adjustment ranges 0,2 ÷ 300 bar - Adjustable hysteresis - Max voltage 250 V - SPDT contact

TECHNICAL DATA STANDARD EXECUTION

Max. Voltage	250 Vca
Working voltage	220 Vca
Current	6 (2) A
Adjustable hysteresis	10% ÷ 30% of set point
Working temperature	-5 +90 °C (see available membrane)
Max. Cycle rate @ 25 °C	120/1' membrane
Max. Cycle rate @ 25 °C	60/1' piston
Mechanical life	10 ⁶ cycles
Protection	IP 65 DIN 40050
Connector	PG 9 or PG 11 DIN 43650
Tightening torque	5 Kgm

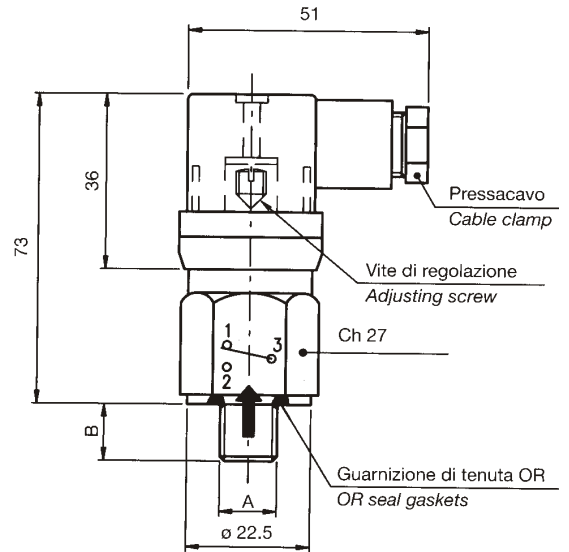
MATERIAL STANDARD EXECUTION

body 27 AF low pressure	Brass
body 27 AF medium/high pressure	Tropicalized steel
Membrane	NBR
High pressure piston	Stainless steel (NBR gasket)
Connector and cable clamp	Nylon 6,6
C/O Contact	SPDT

ORDERING CODE

TYPE	PSM	50	I	NT	R14	SG	T
PSM-PSP							
RANGE							
2-10-50-100-150-300							
BODY							
(-) - I - W							
MEMBRANE-PISTON							
(-) - NT - V - S - N - E - MI							
GASKET							
(-) - NT - V - S - N - E							
THREADS							
R18-R14-M10-M12-18NPT							
SPECIAL EXECUTIONS							
G-SG-AP-TG							
SET-POINT							
T... T...D T...F							

Model	Type	Max. Static pressure				Tolerance @ 25°C	Weigh
		Standard	AP	I	W		
PSM2	Membrane	80 bar	300 bar	150 bar	150 bar	± 0,2 bar	100 gr
PSM10		80 bar	300 bar	150 bar	150 bar	± 0,4 bar	
PSM50		300 bar	-	150 bar	150 bar	± 2 bar	
PSM100		300 bar	-	150 bar	150 bar	± 3 bar	
PSP150	Piston	300 bar	-	250 bar	250 bar	± 5 bar	
PSP300		600 bar	-	400 bar	400 bar	± 15 bar	



EXPLANATION CODE

TYPE	
PSM	Membrane pressure switches, SPDT contacts
PSP	Piston pressure switches, SPDT contacts

RANGE

PSM 2	0,2 ÷ 2 bar
PSM 10	1 ÷ 10 bar
PSM 50	10 ÷ 50 bar
PSM 100	10 ÷ 100 bar
PSP 150	30 ÷ 150 bar
PSP 300	50 ÷ 300 bar

BODY

(-)	Brass (PSM2/10)
(-)	Tropicalized steel (PSM50/100, PSP150/300)
I	AISI 303 stainless steel
W	AISI 316 stainless steel

MEMBRANE-PISTON

(-)	NBR	-5 +90 °C
NT	HNBR	-40 +140 °C
V	Viton	-5 +90 °C
S	Silicone	-30 +120 °C
N	Neoprene	-10 +90 °C
E	EPDM	-20 +110 °C
MI	Acc. Inox	(PSM2/10 only)

THREADS "A"

R18	G1/8" parallel	(B 10 mm)
R14	G1/4" parallel	(B 12 mm)
M10	M10 x 1 parallel	(B 12 mm)
M12	M12 x 1,5 parallel	(B 10 mm)
18NPT	1/8" NPT	(B 10 mm)

SPECIAL EXECUTIONS

G	Gold contacts for low current ≤30 mA
SG	Degreased for Oxygen applications
AP	High pressure execution (MS 2/10 Max 300 bar)
TG	Tested for gas applications

SET-POINT

T...	Rising to required value, Ex. T 175
T...D	Falling to required value, Ex T 70D
T...F...	Hysteresis and set-point to required value Ex. T40 F10... 40 bar set-point and 10 bar hysteresis

AVAILABLE CERTIFICATIONS

R.I.N.A.
LLOYD'S REGISTER
IMQ

On request the pressure switches can be supplied on
Ex ia IIC T6 version