MS-PS Adjustable pressure switches

Switch rating	6(2)A / 250 Vac
Switch rating	2(1)A / 24 Vdc
Max rating - gold contacts	30mA / 30 Vdc
Temperature range	-30°C...+140°C (according to diaphragm / gasket material)
Max. cycle rate at 25°C	120/min. (diaphragm type)
Max. cycle rate at 25°C	10/min. (with SS type)
Max. cycle rate at 25°C	60/min. (piston type)
Protection (terminals)	IP 00
Protection with CAP 13	IP 65
Protection with CAP 16	IP 54
Switching housing	Pocan
Mechanical life	10^6 operations
Tightening torque	5 Kgm
Silver-plated contacts	Ag. CdO

IP 54 electric protection

CAP 16

IP 65 electric protection

CAP 13

IP 67 electric protection

Cap 14 + Flying Leads + Connector

HOW TO ORDER

MS	10	SC	W	V	R18	T5D	SG

Model
MS - PS

RANGE
2 - 10 - 50 - 100
150 - 300

Body
(-) - I - W

Options
T... - T...D - G - SG
TG - P - AP

SPDT contact
SC

Diaphragm
see table diaphragm / gasket

"C"	Thread	"B"
R18	G1/8 parallel	10
R14	G1/4 parallel	12
M10x1	M10x1 parallel	10
M12x1,5	M12x1,5 parallel	12
18NPT	G1/4 taper	12

ORDERING INFORMATION

MS		Diaphragm pressure switch	
PS		Piston pressure switch	
Contact	SC	SPDT C/O contact	
24 AF body material	-	Standard execution in brass (MS2 - MS10) and tropicalized steel (MS50 - MS100 - PS150 and PS300)	
	I	AISI303 stainless steel	
	W	AISI316 stainless steel	
Diaphragm or gasket	-	HNBR	(-25°C to +140°C)
	V	FKM	(-5°C to +90°C)
	S	Red silicone	(-30°C to +120°C)
	E	EPDM	(-20°C to +110°C)
	C	Neoprene	(-10°C to +110°C)
	MI	Stainless steel only for MS2 e MS10 models max. pressure static 80 bar (-30°C to +140°C)	

Threads	R18	G1/8" parallel	"B" = 10
	R14	G1/4 parallel	"B" = 12
	M10	M10x1 parallel	"B" = 10
	M12	M12x1.5 parallel	"B" = 12
	18NPT	G1/4 taper	"B" = 10
Setting	T...	Set up rising to the required value (ex. T2 rising set-point adjustment at 2 bar)	
	T...D	Set up falling to the required value (ex. T5D falling set-point adjustment at 5 bar)	
Options	AP	High pressure execution (300 bar) for MS2 – MS10 models with body in tropicalized steel	
	G	Gold-plated contacts for low current applications ≤30mA	
	SG	Pressure switches degreased for applications with oxygen	
	TG	Pressure switches tested for applications with gas	

IN COMPLIANCE WITH 2004/108 CE RULES EMC N° 147E/96 REPORT.

GENERAL SPECIFICATIONS

MODEL	ADJUSTMENT RELATIVE PRESSURE RANGE bar	DIMENSIONS "A" mm	MAX. STATIC PRESSURE bar					FIXED HYSTERESIS AT 25°C bar	TOLERANCE AT 25°C bar	EXECUTION
			STANDARD EXECUTION BRASS	EXECUTION IN TROPICALIZED STEEL	AP EXECUTION IN TROPICALIZED STEEL ONLY MS 2/10	AISI 303 STAINLESS STEEL EXECUTION	AISI 316 STAINLESS STEEL EXECUTION			
MS 2	0,2 - 2	57	80			150	150	~15% set-point	±0,2	Diaphragm
MS 10	1 - 10	57	80			150	150	~15% set-point	±0,4	
MS 2...AP	0,2 - 2	57			300			~15% set-point	±0,2	
MS 10...AP	1 - 10	57			300			~15% set-point	±0,4	
MS 50	10 - 50	57		300		150	150	~15% set-point	±2	
MS 100	10 - 100	57		300		150	150	~15% set-point	±3	
PS 150	30 - 150	57		300		250	250	~15% set-point	±5	Piston
PS 300	50 - 300	57		600		400	400	~15% set-point	±15	

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