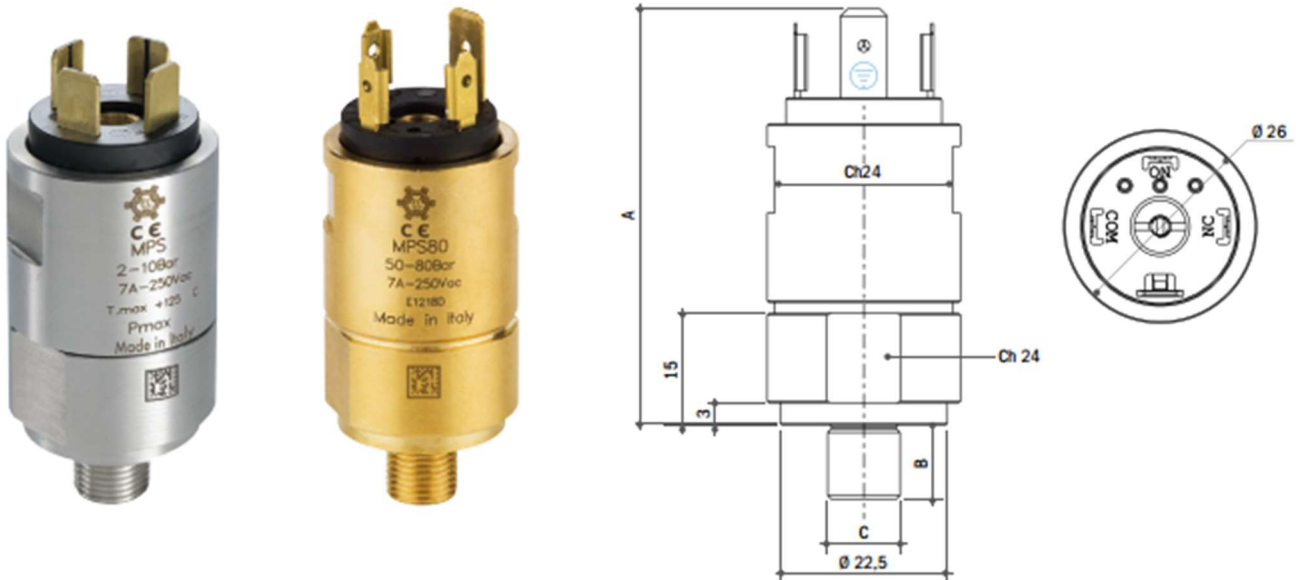


MPS Modular adjustable pressure switch



Technical Data

DIN 43650 - quadro/squared



Max. voltage	250 Vac
Working voltage	230 Vac / 28 Vdc
Switching currents	7 A 28 Vdc / 7 A (4A ind.) 250 Vac
Electric contact	SPDT
Environment temperature	-40°C...+120°C
Fluid temperature	see gasket table
Maximum protection grade	IP 67
Electrical connector	Fast-on / DIN 43650 / M12/ Deutsch
Mechanical life	1.000.000 cycle at 25°C
Recommended tightening torque	min. 3 Kgm ÷ max. 5 Kgm see page 3
Approval	CE; UL (in progress)

ORDERING INFORMATION

MPS Modular adjustable pressure switch
24 AF Body Material B Brass
W S.S. 316
Available diaphragm/ NT HNBR (-25°C..... +140°C)
Gasket Z ZNBR (-40°C..... + 60°C)
V FKM (-5°C..... + 90°C)
S Silicone (-30°C..... +120°C)
E EPDM (-20°C..... +110°C)
Standard Threads 18K G 1/8 taper
14K G 1/4 taper

R14 G 1/4 parallel
R18 G 1/8 parallel
Other threads available on request
Options T5 Set up rising to 5 bar
T5D Set up falling to 5 bar
SG Degreased for application with oxygen
TG Tested for applications with gas
Available connections DT Deutsch DT04-2P
M M12 - 4 pins
D DIN 43650 squared
DR DIN 43650 rounded



GENERAL SPECIFICATIONS

MODEL	ADJUSTMENT RELATIVE PRESSURE RANGE bar	DIMENSIONS WITH FAST- ON mm	MAX. STATIC PRESSURE bar		BRASS BODY	S.S. 316 BODY
			FIXED HYSTERESIS AT 25°C bar	TOLERANCE AT 25°C bar		
MPS 2	0.5-3	62	300	300	≤ 25% Set-point	± 0.15
MPS10	2-12	62	300	300	≤ 25% Set-point	± 0.20
MPS20	10-22	62	300	300	≤ 25% Set-point	± 0.50

CHEMICAL COPOLYMER COMPATIBILITY WITH DIFFERENT KIND OF WORKING MEDIA AT MIN. AND MAX. TEMPERATURES SUGGESTED

	NBR	FKM	EPDM	C	S	HNBR	ZNBR	MI
alkali			•					
brakes fluid			•					•
ammonia			•					
water	•	•	•	•	•	•	•	•
air	•	•	•	•	•	•	•	•
mineral hydraulic oil	•	•				•	•	•
motor oil	•	•				•	•	•
diesel fuel		•				•		•
naphta	•	•				•	•	•
petrol		•						•
hydrocarbons		•				•		•
halogenated solvent		•						•
ethylene glycol	•		•	•	•	•	•	•
max operating temperature °C	+60	+90	+110	+90	+120	+140	+60	+140
min operating temperature °C	-5	-5	-20	-10	-30	-25	-40	-30

The guide provides a general indication. For special applications, please contact our technical dept.

			Standard DIN-EN-60947-5-1	Symbol IEC 60617
NA	NA normalmente aperto NO normally open	SPST (single pole, single throw)	X	
NC	NC normalmente chiuso NC normally closed	SPST (single pole, single throw)	Y	
SC	SC contatti in scambio CO change over (snap action)	SPDT (single pole, double throw)	C	