

Pressure switches, Transducers, Pressure indicators

Series PM: adjustable-diaphragm pressure switches, with setting visual scale, with exchange contacts

Series TRP: electro-pneumatic transducers

Series 2950: pressure indicators, ports M5



A regulating screw, which can be adjusted using a small screwdriver, allows the switch to be set to the required pressure. The calibrated diaphragm enables an electrical signal to be generated or inhibited depending on the pressure set.

Series PM diaphragm pressure switches are available with NC (normally closed) contacts and with NO (normally open) contacts.

Series PM681 pressure switches with setting visual scale comply with EN60730 standards and are suitable for signaling pressure through a normally closed Reed contact.

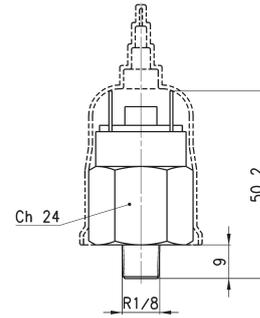
GENERAL DATA

Construction	with adjustable diaphragm
Ports	R1/8, G1/4 (Serie PM) tube 4/2 (Series TRP) M5 (Series 2950)
Mounting	using thread in body
Max. nr. of pulses per 1'	200
Pressure	1 ÷ 10 bar max.
Operating temperature	-5°C ÷ +60°C
Max. power	100 VA
Voltage	220 V
Isolation voltage	1500 V
Max current	0.5 A
Pressure switches protection class	IP40 (Mod. PM681-1, PM681-3) IP54 (Mod. PM11-NC, PM11-NA) IP65 (Mod. PM11-SC)

Series PM adjustable-diaphragm pressure switches



Supplied with a rubber cap providing protection class IP54.



Mod.	Function	Max Voltage	Max Power	Service Type	Insulation voltage	Symbol
PM11-NC	NC = normally closed	48 V AC DC	24 VA	Heavy	500 V	PMNC
PM11-NA	NA = normally open	48 V AC DC	24 VA	Heavy	500 V	PMNO
PM11-NC-OX1	NC = normally closed	48 V AC DC	24 VA	Heavy	500 V	PMNC
PM11-NCEX	NC = normally closed	48 V AC DC	24 VA	Heavy	500 V	PMNC
PM11-NA-OX1	NA = normally open	48 V AC DC	24 VA	Heavy	500 V	PMNO
PM11-NAEX	NA = normally open	48 V AC DC	24 VA	Heavy	500 V	PMNO

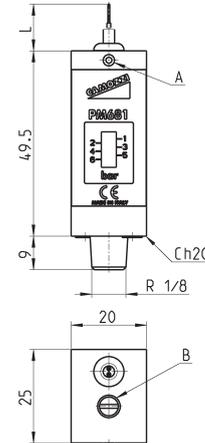


PMNC = normally closed
PMNO = normally open

Series PM681-... - pressure switches with setting visual scale



In compliance with EN60730 standard
Protection class IP40
Electric connection: PVC cable 2 x 0.22 mm
Electric contact: Reed SPST NO
Body in anodized aluminium and threaded fitting in brass
Hysteresis: 0.8 bar max



A = SETTING GRAIN LOCKING

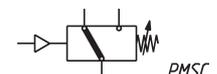
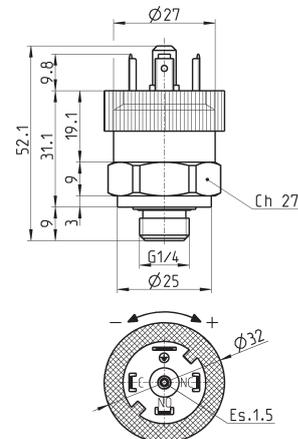
B = ADJUSTMENT SCREW

Mod.	L	Max switch voltage	Max switch current	Max switch capacity	Max fluid temperature	Max pressure	Setting range	Weight
PM681-1	1 m	48 V	0.5 A	10 W	60°C	20 bar	1 ÷ 6 bar	95 g
PM681-3	3 m	48 V	0.5 A	10 W	60°C	20 bar	1 ÷ 6 bar	95 g

Pressure switch with exchange contacts Mod. PM11-SC



Protection class IP65
(with connector Mod. 124-830)



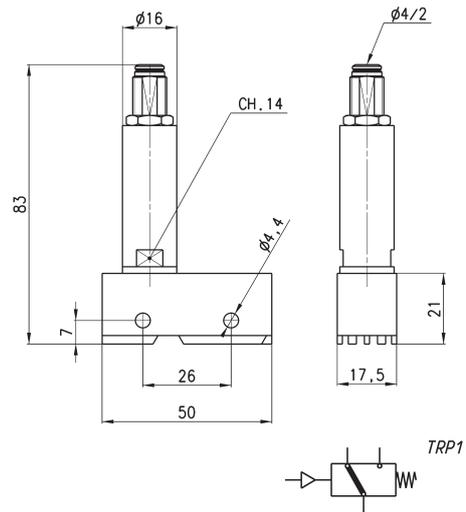
(*) SC = exchange contacts

DIMENSIONS							
Mod.	Function	Max Voltage	Operating Temperature	Actuation time	Setting range	Max Hysteresis	
PM11-SC	SC (*)	250V AC - 30V DC	-25°C +85°C	> 0,1 ms	2 ÷ 10 bar	0.8 bar	
PM11-SCEX	SC (*)	250V AC - 30V DC	-25°C +85°C	> 0,1 ms	2 ÷ 10 bar	0.8 bar	
PM11-SCUL	SC (*)	250V AC - 30V DC	-25°C +85°C	> 0,1 ms	2 ÷ 10 bar	0.8 bar	

Electro-pneumatic transducer Series TRP



Series TRP electro-pneumatic transducer is particularly suitable to convert a pneumatic signal into an electrical signal. The contacts are NC (normally closed) or NO (normally open), thus making it possible to generate or eliminate current when the pneumatic signal is present. Minimum operating pressure 2,5 bar.

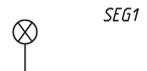
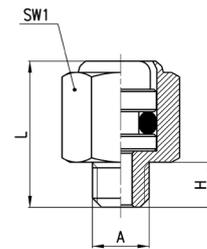


Mod.	TRP-8
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Pressure indicators Series 2950

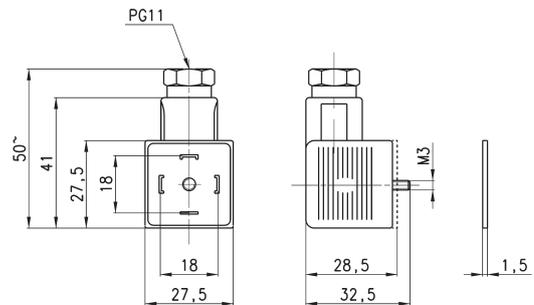


The pressure indicator Mod. 2950-M5 is passive element (no spring, red colour). It is useful for detecting pressure manually without having to remove the connections.



DIMENSIONS				
Mod.	A	H	L	SW1
2950 M5	M5	4	13.5	8

3-pole connector Mod. 124-830 for pressure switch Mod. PM11-SC



Mod.	description	colour	working voltage	cable gland	tightening torque
124-830	three-pole connector without electronics	black	-	PG9/PG11	0.5 Nm
124-830EX	three-pole ATEX connector without electronics	black	-	PG9/PG11	0.5 Nm