PISTON PRESSURE SWITCH type IPN

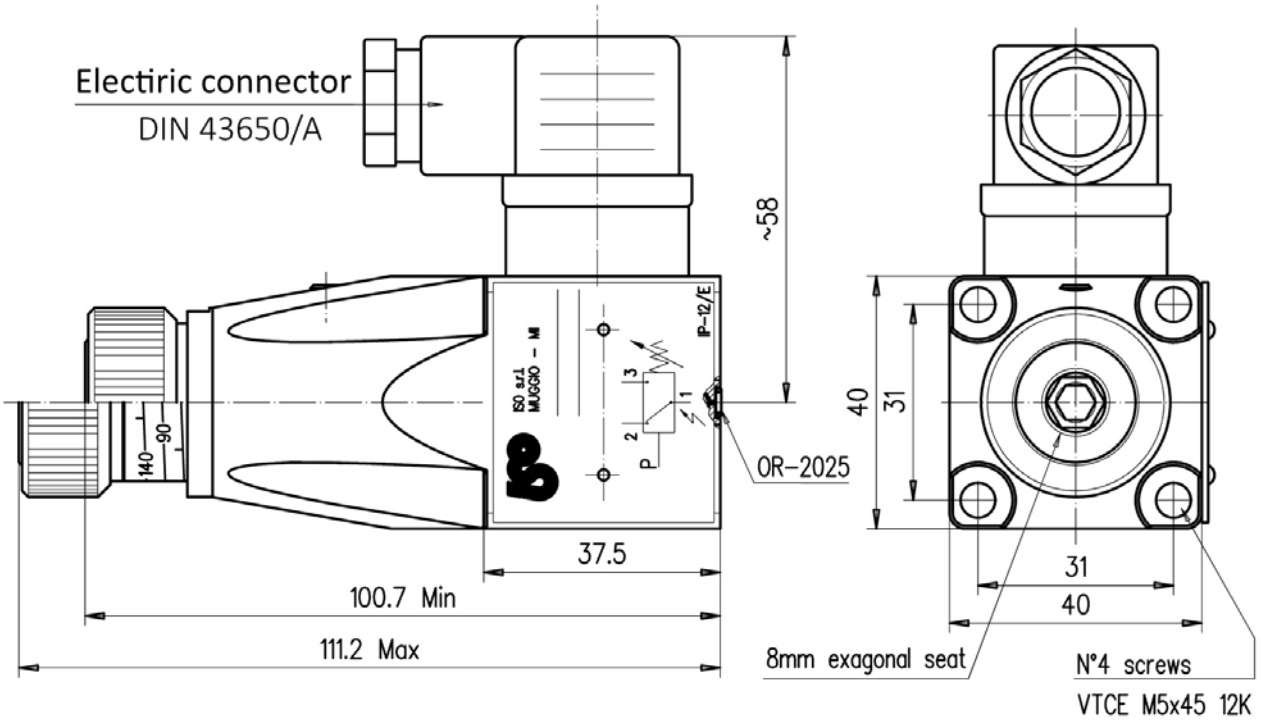
Characteristics

TYPE	SETTING RANGE	MAX WORKING PRESSURE	REPEATABILITY	WEIGHT
IPN-035	6-35 bar	350 bar	< ± 1% of setting	0.65 Kg.
IPN-080	10-80 bar			
IPN-160	12-160 bar			
IPN-250	15-250 bar	650 bar		
IPN-350	30-350 bar			
IPN-630	50-630 bar			

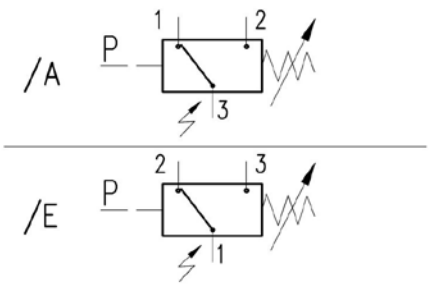
Description

Piston operated, fixed differential, electro-hydraulic pressure switch equipped with electric contact in exchange. When pre-set pressure is achieved, the piston actuates a microswitch.
The setting adjustment is achieved by means of a scaled handwheel.

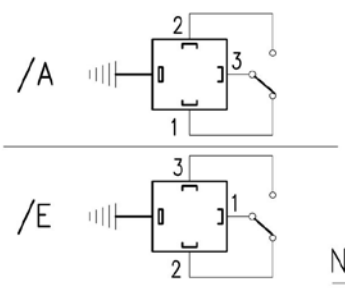
Dimensions



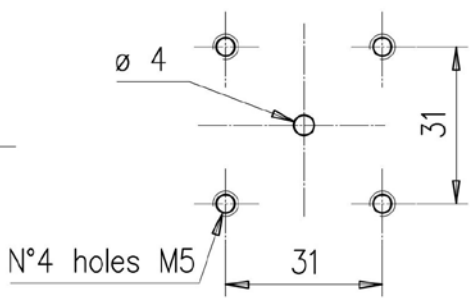
Symbol



Contacts



Flange interface

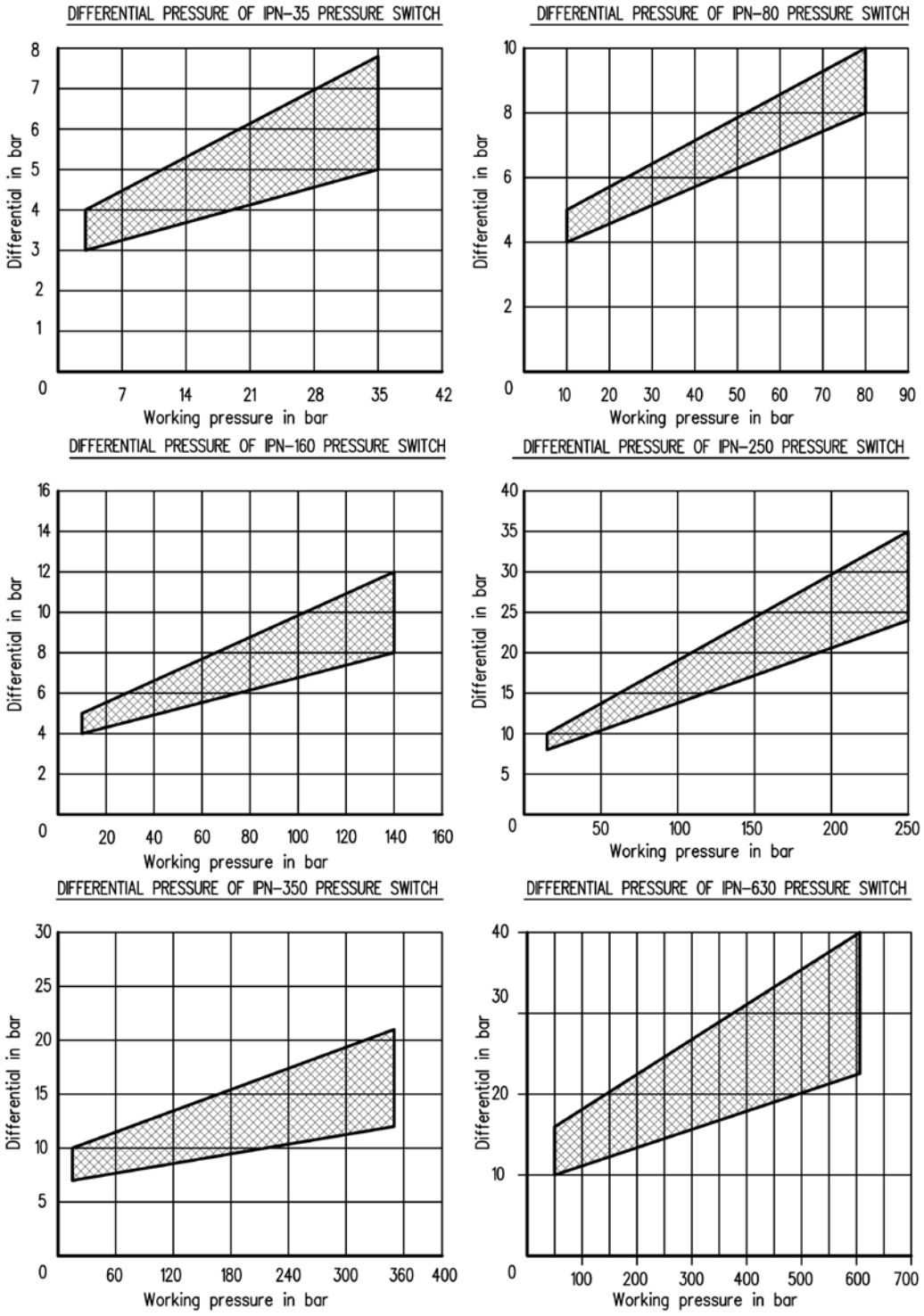


PISTON PRESSURE SWITCH type IPN

Electric characteristics

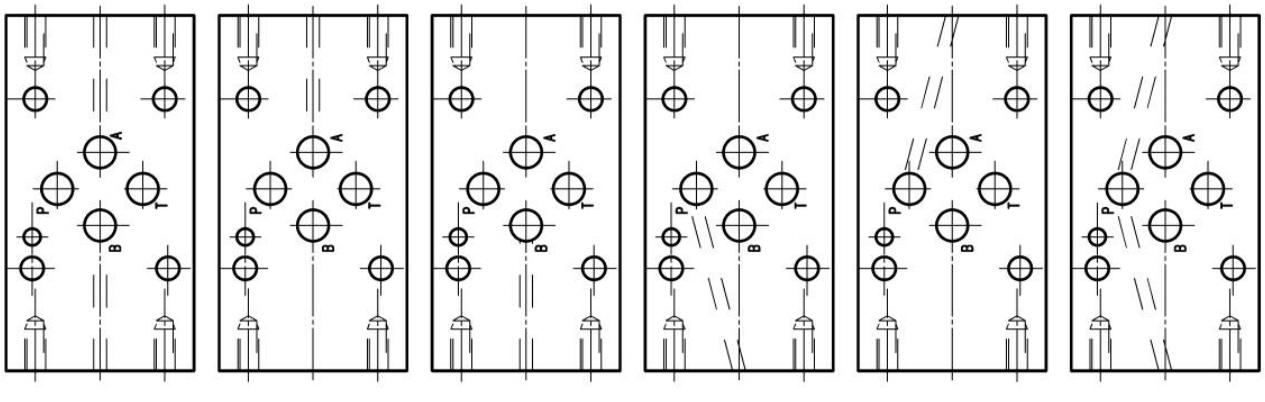
Voltage (V)	**125 AC**	**250 AC**	**30 DC**	**150 DC**
Max current (Resistive load)	7 Amp.	5 Amp.	5 Amp.	0.2 Amp.
Max current (Inductive load) Cos φ = 0.4	4 Amp.	2 Amp.	3 Amp.	0.02 Amp.
Connection frequency	Max. 120 cycles/min			
Protection	IP-65			
Direct current with inductive load	It is suggested to provide an arching contact			
Contact resistance	15 mΩ			

Diagram

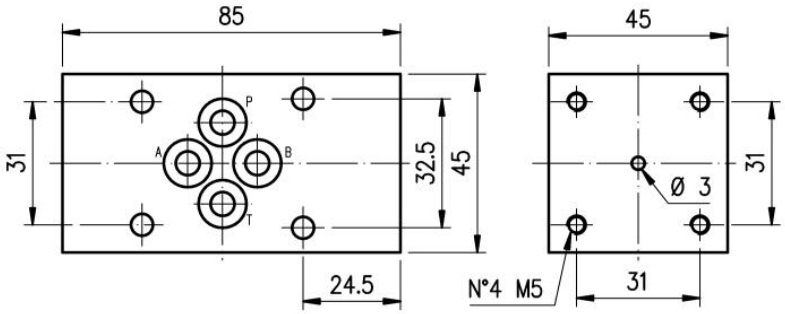


Adaptors

SBM-03/210-IP-**

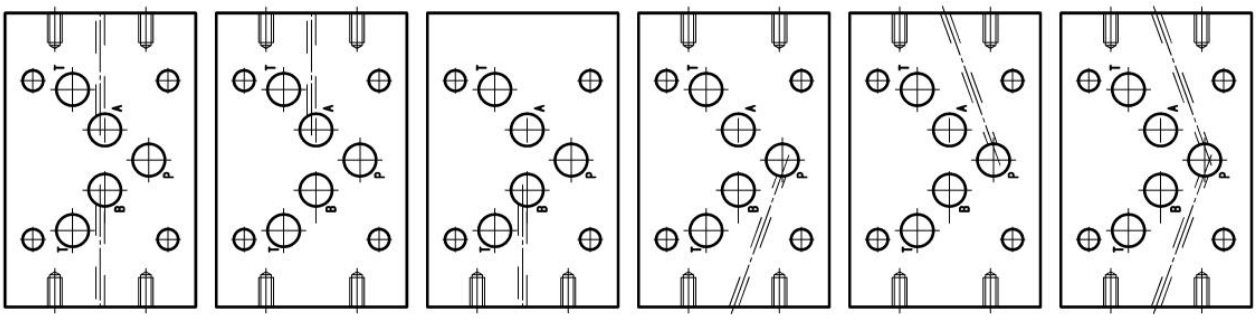


Version AB **Version A** **Version B** **Version P1** **Version P2** **Version PP**

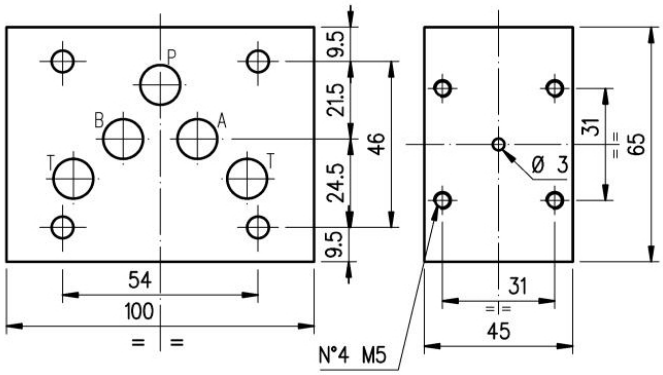


When your order, replace the asterisks with the port/ports on which the device will be mounted.
Es. **SBM-03/210-IP-B** = Pressure switch operating on B port.

SBM-05/210-IP-**



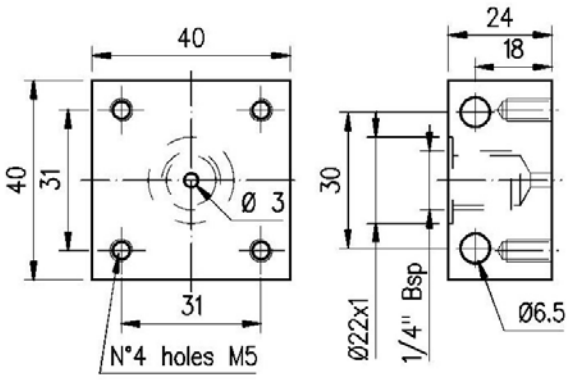
Version AB **Version A** **Version B** **Version P1** **Version P2** **Version PP**



When your order, replace the asterisks with the port/ports on which the device will be mounted.
Es**. SBM-05/210-IP-B** = Pressure switches operating on B port.

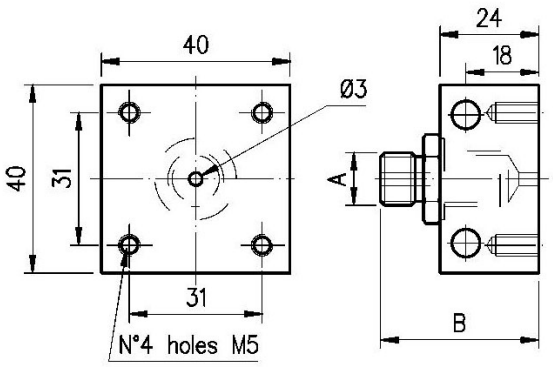
PISTON PRESSURE SWITCH type IPN

BFU-14 (Female adaptor)



WEIGHT	0.3 Kg.

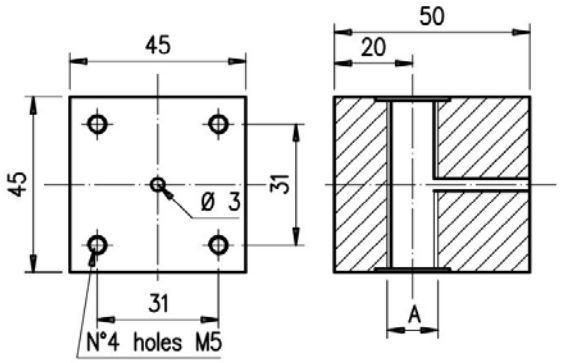
BMM-**



TYPE	A	B
BMM-14	1/4" BSP	41
BMM-38	3/8" BSP	45
BMM-12	1/2" BSP	46

WEIGHT	0.3 Kg.

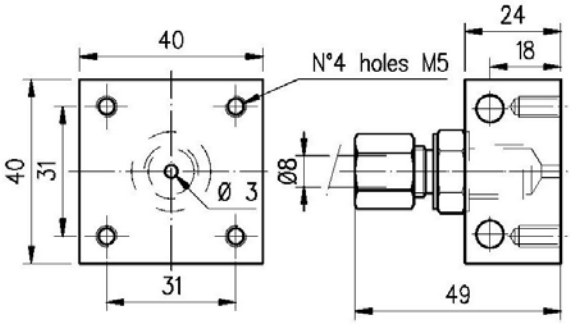
BFM-**



TYPE	A
BFM-14	1/4" BSP
BFM-38	3/8" BSP
BFM-12	1/2 BSP

WEIGHT	0.6 Kg.

BT-1/4x8



It allows the pressure switch mounting:
- wall-type by using 2 ø 6.5 holes
- equipped with 1/4" BSP tang for ø 8 hose

Installation rules

- The pressure switches type IPN can be mounted in any position
- Fluid to be used: hydraulic oil in compliance with DIN 51524 rules, viscosity between 30 and 100 mm^2/s (cSt) at 40°C
- Recommended filtration of 25µ
- Hydraulic fluid temperature: from -20° to +75°C

Ordering code

IPN - *** / *

- Pressure switch
- Pressure setting : **035**=6-35 bar **080**=10-80 bar **160**=12-160 bar **250**=15-250 bar **350**=30-350 bar **630**=50-630 bar
- **/A** = electric contacts type A **/E** = electric contacts type E

The product has not to be used as safety device as stated in Article 1, paragraph 2, letter D of Legislative Decree N° 93 dated 25/02/2000.
The component has been designed and manufactured meeting the requirements stated in Directive 97/23/CE (Legislative Decree N° 93/00).
The component is included in the category provided in Article 3, paragraph 3, for which it can be commercialized without CE marking.