

DESCRIPTION

MT Series pressure switches operate by opening or closing the electrical circuit in response to pressure changes in your system. With the SPDT connector, they offer flexible use by providing NO/NC electrical connection options.

The adjustment knob allows easy setting of the desired pressure level. In addition, the locking mechanism ensures that the adjusted value is preserved in vibrating environments.

For real-time pressure monitoring, a model with a pressure gauge can optionally be selected.

Thanks to its high resistance to shock pressures, it ensures reliable performance even under demanding operating conditions.

The MT Series addresses a wide range of applications by offering five different pressure ranges between 5 bar and 600 bar, along with base block, side block, and fitting connection options.

PNOTOL branded pressure switches provide precise, durable, and reliable control in your pressure system.



PRODUCT FEATURES

Electrical

Connector Type	DIN 43650-A
Max. Supply Voltage	250 VAC
Current (Max. VAC)	5A
Wiring Principle	3-wire
Output Signal	SPDT
Electrical Structure	NO/NC
Switching Life (Cycle)	5.000.000 cycles
Working Temperature	+80°C ... -40°C

Pressure

Min. Signal Pressure	7 bar, 101 psi, 700 kPa, 0.7Mpa
Max Signal Pressure	600 bar, 8702 Psi, 60000kPa, 60 Mpa
Burst Pressure (PMax)	Refer to ordering code scheme
Pressure Gauge	Optional

Material

Mechanical Connection	7 bar, 101 psi, 700 kPa, 0.7Mpa
Body	600 bar, 8702 Psi, 60000kPa, 60 Mpa
Sealing Equipment	NBR and Teflon

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WARNING: The values specified in the technical document are tested maximum values. Do not operate outside these limits.

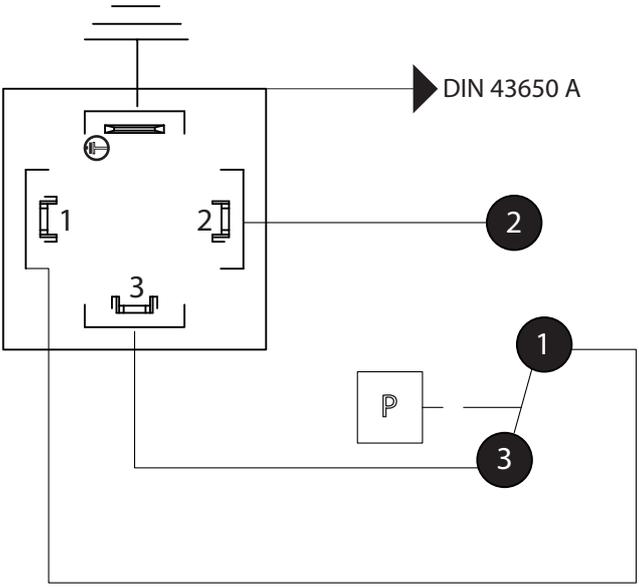
Consult us before using with aggressive fluids and chemicals. To extend service life, use filtration and avoid shock pressures.

ORDER CODE

MT	- ... -	- ... -	- ... -		
MODEL	Pressure Gauge	Mechanical Connection	Pressure		
MT Model Pressure Switch	M "Optional" To monitor the system pressure in real time, you may choose the model with a pressure gauge. If not preferred, please leave this field blank.	N1 Side Block Connection N2 Base Block Connection N3 G1/4" fitting connection	Pressure Range	Pressure Switch Pmax	Pressure Gauge (Optional)
			50 5- 50 bar	650 bar	0...60 bar Pmax= 60 bar
			100 10- 100 bar	650 bar	0...160 bar Pmax=100 bar
			200 10- 200 bar	650 bar	0...250 bar Pmax=250 bar
			350 20- 350 bar	650 bar	0...400 bar Pmax=400 bar
600 50- 600 bar	650 bar	0...600 bar Pmax=600 bar			

Note: Products are delivered with a DIN 43650-A plug socket.

ELECTRICAL CON. DIAGRAM

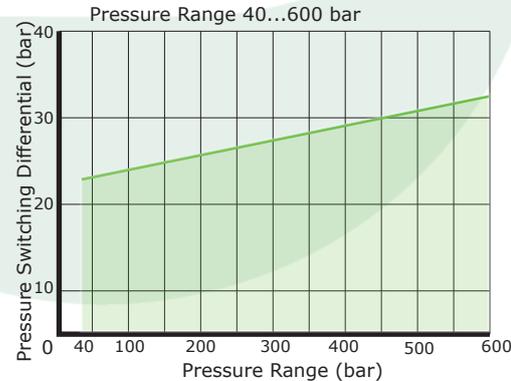
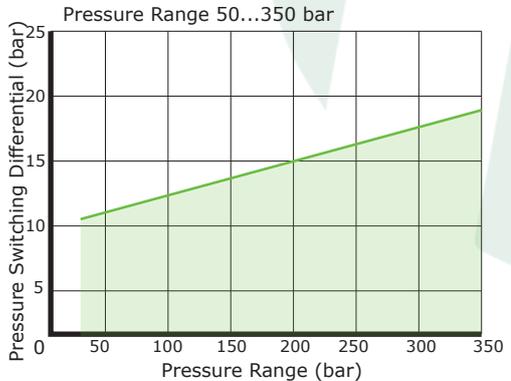
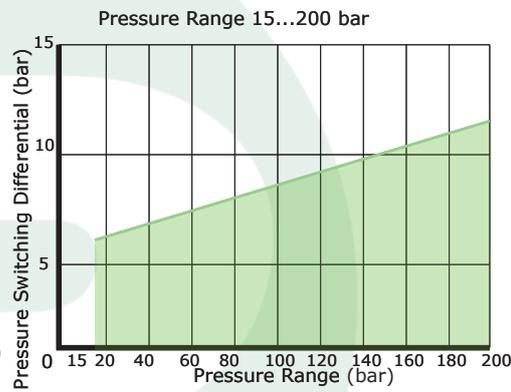
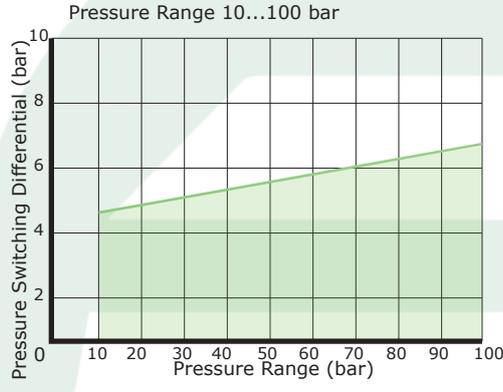
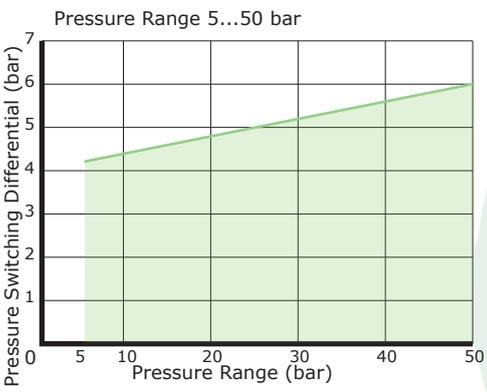


Switching Fu
 • Terminal 1-3: Current flows when pressure increases (NO)
 • Terminal 1-2: Current flows when pressure decreases or no pressure (NC)

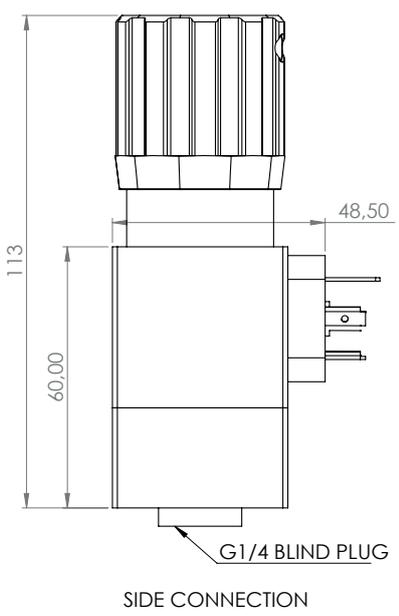
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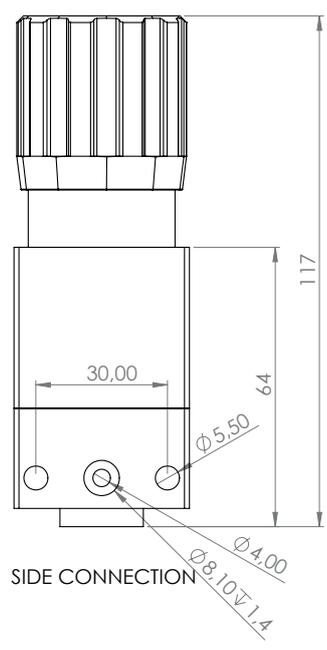
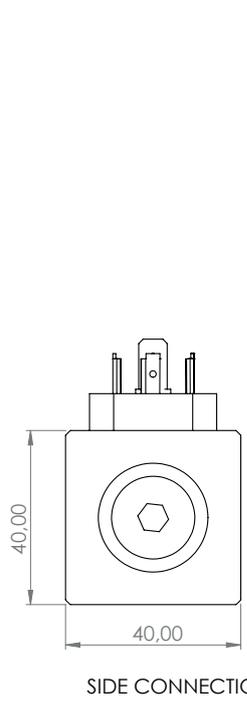
DIFFERENTIAL DIAGRAM



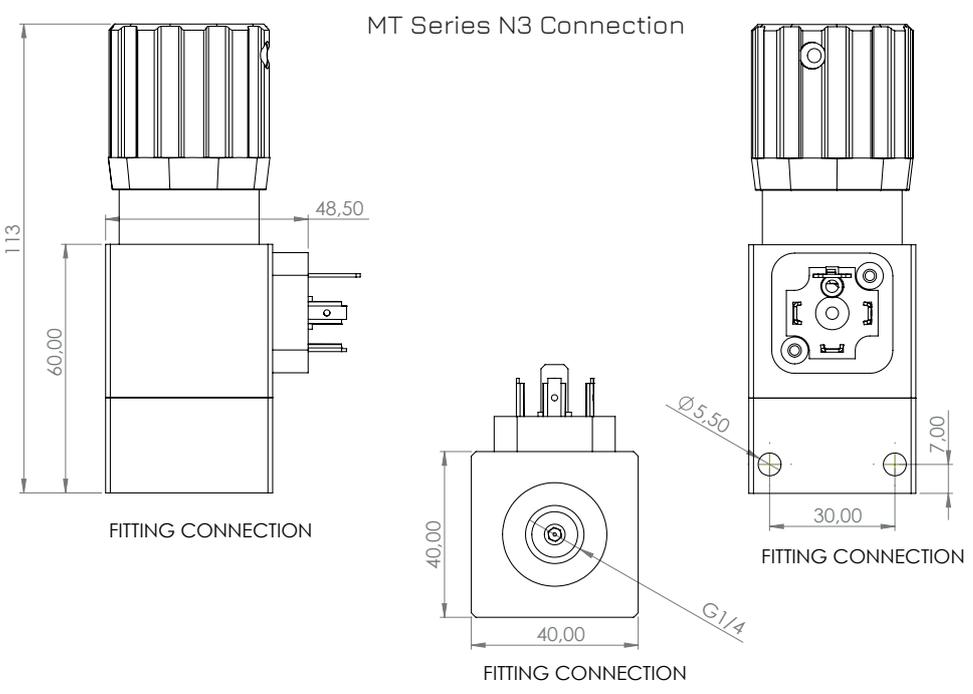
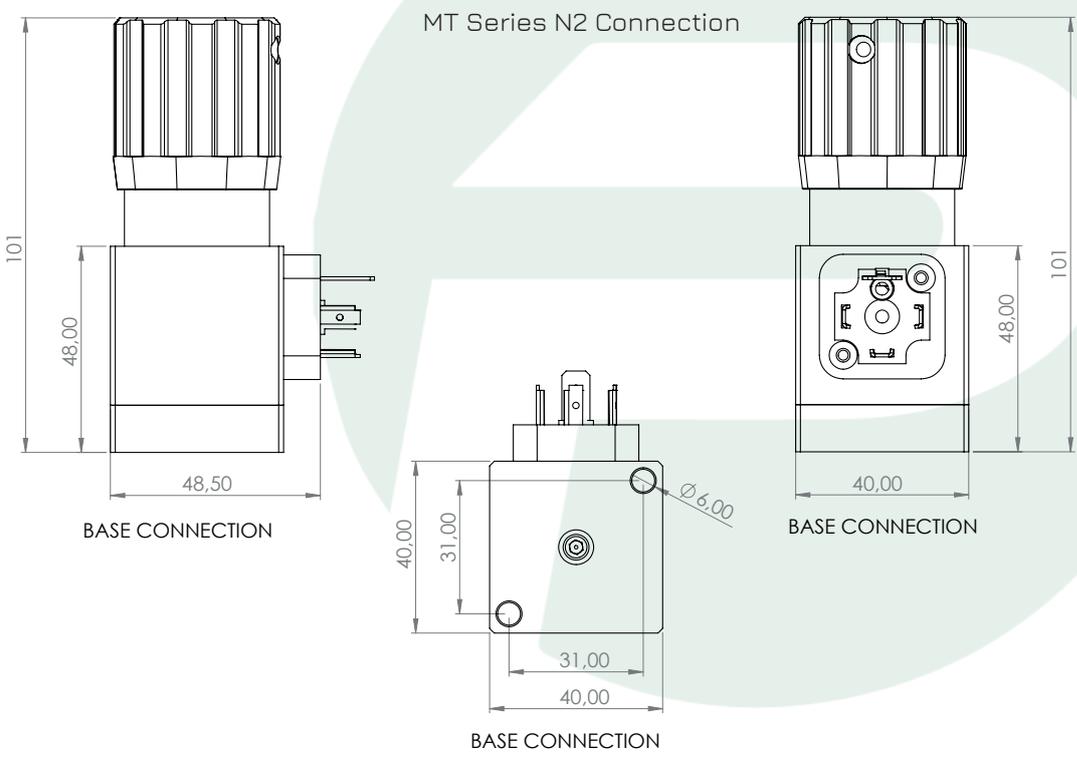
TECHNICAL DIMENSIONS



MT Series N1 Connection



TECHNICAL DIMENSIONS



TECHNICAL DIMENSIONS

MT M Series N3 Connection

