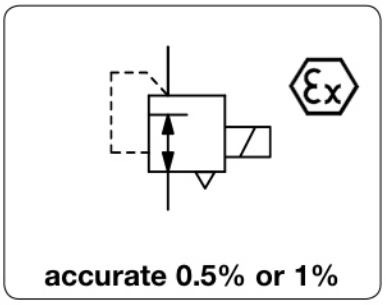
PT6 - Vanne de régulation de pression à commande proportionnelle, piezoélectrique, ATEX, à sécurité intrinsèque

Description	The proportional pressure transducer translates a direct current or voltage input signal into a proportional pneumatic outlet signal. The valve uses proven moving coil and flapper nozzle technology with a built-in pneumatic relay with slight amplification and positive bias. Additional supply voltage is not necessary. The device has to be protected against vibration.		
Media	5 µm filtered compressed air or non-corrosive gases		
Supply voltage	not required		
Electrical connector	plug according to DIN 43650A, contact gap 18 mm, 3-pin, with coupling socket 30 x 30 mm		
Command signal	0 ... 10 V / 1.1 kΩ at PT6..-B, otherwise 900 Ω	4 ... 20 mA / 200 Ω at PT6..-B, otherwise 260 Ω	
Failsafe	exhaust at power breakdown	**Response sensitivity**	< 0.2% FS
Linearity	< 0.5 % FS at 0.2...2 bar, otherwise < 1% FS	**Repeatability**	< 0.1% FS
Hysteresis	< 0.25% FS at 0.2...2 bar, otherwise < 1% FS	**Vibration sensitivity**	< 2% FS, for 10 g and 15 ... 500 Hz
Adjustment	Zero point: by 0.3 bar Range: 40% FS	**Mounting position**	upright ± 15°
Temperature range	-30 °C to 65 °C / -22 °F to 149 °F	**Protection class**	IP 65
Material	Body: chromated aluminium	Elastomer: NBR/Buna-N	
	Nozzle: sapphire in nickel-plated brass plate	Inner valve: stainless steel, brass, zinc-plated steel	



accurate 0.5% or 1%

Dimensions A mm	B mm	C mm	Flow rate l/min*1	Supply pressure max. bar	Command signal V/mA	Pressure range bar	Order number
Proportional pressure regulator 0-10 V				¼" NPT, depending on pressure range air consumption 2...8 l/min			**PT600**
57	93	13	250	8	0-10 V	0.2...1	**PT600-B100**
						0.2...2	**PT600-B200**
57	132	13	300	10	0-10 V	0...2	**PT600-0200**
						0...4	**PT600-0400**
						0...8	**PT600-0800**
Proportional press. regulator 4-20 mA				¼" NPT, depending on pressure range air consumption 2...8 l/min			**PT602**
57	93	13	250	8	4-20 mA	0.2...1	**PT602-B100**
						0.2...2	**PT602-B200**
57	132	13	300	10	4-20 mA	0...2	**PT602-0200**
						0...4	**PT602-0400**
						0...8	**PT602-0800**

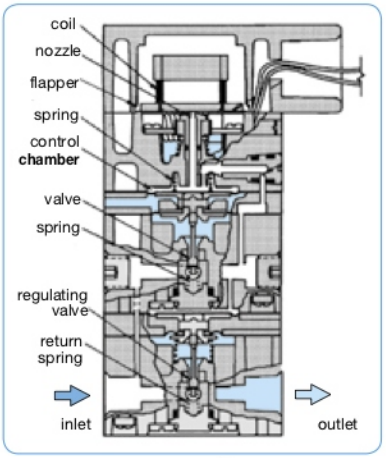
PT60.-0.

Special options, change the appropriate number

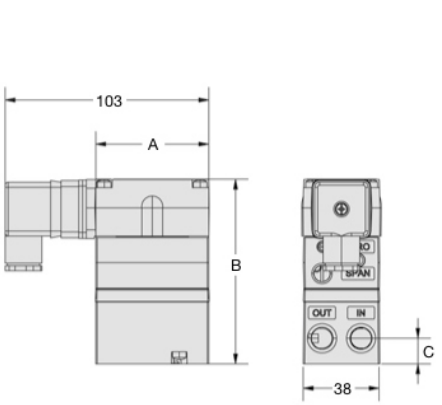
-i-Atex	Atex II 1G Ex ia IIC T4	4-20 mA only	PT602-..**01**

Accessories, enclosed

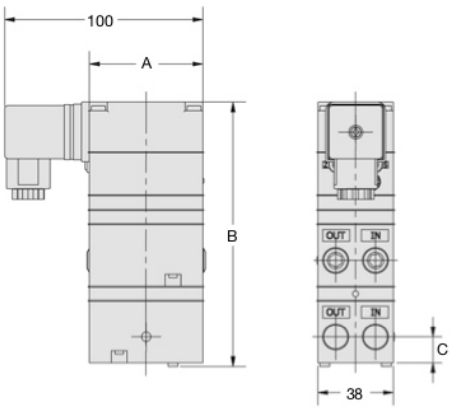
mounting bracket	made of steel, for standard version	**SA-PT1**
	made of steel, for Din rail	**SA-PT2**
isolate transmitter	Ex ia II C, E/A: 0-20 mA, 24 V DC, EX 1-32	**KFD2-CD**



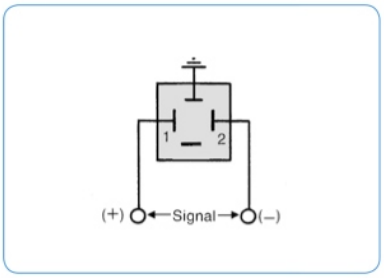
cross-section



PT60.-B.



PT60.-0.



connection diagram

*1 at 7 bar supply pressure and 1.4 bar outlet pressure

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