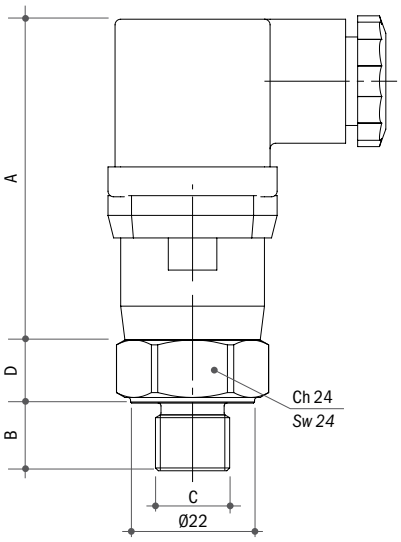
NPS 带转换触点的可调式压力开关
Adjustable pressure switches with SPDT contacts



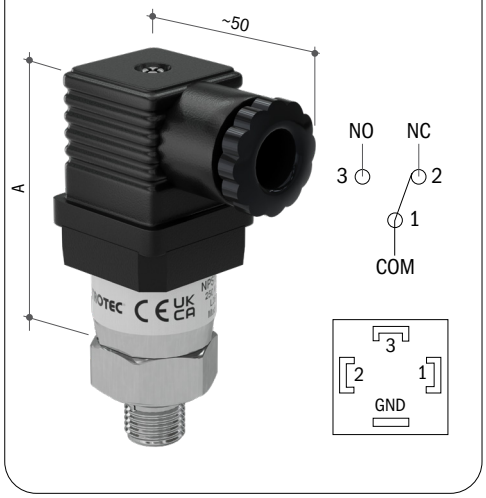


最大电压	250 V交流	*Max. voltage*	*250 Vac*
电流	3 (0.5) A	*Max. current*	*3 (0.5) A*
25°C时的最大固定滞后	设定点的20%（或满程量的20%）	*Max. fixed hysteresis at 25 °C*	*20% of set-point (or 20% F.S.)*
最大静压	300 bar（膜片式） 600 bar（钢制活塞式）	*Max. static pressure*	*300 bar (diaphragm execution)* *600 bar (steel piston execution)*
机械寿命	10^6 循环	*Mechanical life*	*10^6 operations*
温度范围	-30°C...+125°C (根据膜片/垫圈材料)	*Temperature range*	*-30°C to +125°C (according to diaphragm/seal material)*
防护	IP 65	*Protection*	*IP 65*
接液部件材质	304不锈钢配置本体	*Body wetted parts material*	*Stainless steel 304*
非接液部件材质	镀锌钢	*Body not wetted parts material*	*Zinc plated steel*
触点材料	镀银	*Contacts*	*Silver plated*
连接器	尼龙 6.6 / PA66	*Connector*	*Nylon 6.6 / PA66*

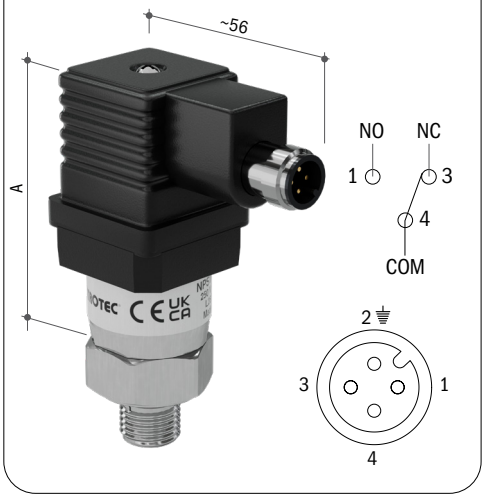
可用电气连接 / *AVAILABLE ELECTRICAL CONNECTIONS*

防护等级 **IP 65** / ***IP 65 PROTECTION***

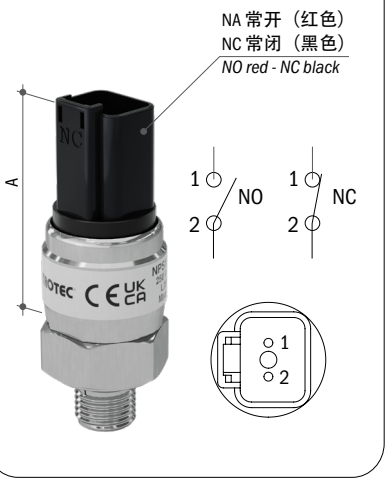
DIN 43650 PG09型接头
DIN 43650 PG09 connector



DIN 43650 A型转M12转换接头
DIN 43650 A to M12 adaptor



Deutsch DT04-2P 连接器
常开触点 / 常闭触点
NO normally open / NC normally closed



NPS 带转换触点的可调式压力开关
Adjustable pressure switches with SPDT contacts

如何订购 / *HOW TO ORDER*

NPS	10	I	N	18K	DTA	T5D

型号 / *Model*
NPS

范围 / *Range*
2 - 10 - 50 - 100 - 150 - 300

本体 / *Body*
I

隔膜 / *Diaphragm*
N - NT - V - E - S

“C”	螺纹 / *Thread*	“B”
18K	G 1/8 BSPT 锥度 / *Taper*	10
14K	G 1/4 BSPT 锥度 / *Taper*	12
R14	G 1/4 BSPP 平行 / *Parallel*	12
R18	G 1/8 BSPP 平行 / *Parallel*	10
其他可根据要求提供 *Others available on request*		

连接器 / *Connector*		“A”
D	DIN 43650	58
M12	DIN 43650 转 M12 连接器 / *with M12*	58
DTA	Deutsch DT04-2P 连接器，常开（NA / NO）	48
DTC	Deutsch DT04-2P 连接器，常闭（NC）	48

选项 / *Options*
SM - SG - T... - T...D - TG

订购信息 / *ORDERING INFORMATION*

NPS	带转换触点的可调式压力开关		*NPS*	*Adjustable pressure switches with SPDT contacts*	
Materiale corpo	I	304 不锈钢配置本体	***Body material***	*I*	*Stainless steel 304*
可用隔膜/密封垫	N	丁腈橡胶 (-5°C到+60°C)	***Available diaphragm/ seal***	*N*	*NBR (-5°C to +60°C)*
	NT	HNBR (-25°C到+125°C)		*NT*	*HNBR (-25°C to +125°C)*
	V	FKM (-5°C到+90°C)		*V*	*FKM (-5°C to +90°C)*
	S	硅胶 (-30°C到+120°C)		*S*	*Silicone (-30°C to +120°C)*
	E	EPDM (-20°C到+110°C)		*E*	*EPDM (-20°C to +110°C)*
可用螺纹	18K	G 1/8 BSPT 锥度	***Available threads***	*18K*	*G 1/8 BSPT taper*
	14K	G 1/4 BSPT 锥度		*14K*	*G 1/4 BSPT taper*
	R14	G 1/4 BSPP 平行		*R14*	*G 1/4 BSPP parallel*
	R18	G 1/8 BSPP 平行		*R18*	*G 1/8 BSPP parallel*
	其他可根据要求提供			*Others available on request*	
选项	SM	压力传感缓冲器	***Options***	*SM*	*Snubber for pressure picks*
	SG	脱脂应用于氧气		*SG*	*Degreased for applications with oxygen*
	T...	调节向上设定点到所需值 (例如: 2 bar)		*T...*	*Set-point rising to the required value (ex. T2 rising set-point adjustment at 2 bar)*
	T...D	调节向下设定点到所需值 (例如: 5 bar)		*T...D*	*Set-point falling to the required value (ex. T5D falling set-point adjustment at 5 bar)*
	TG	T经过气体测试		*TG*	*Tested for applications with gas*

遵守2014/30/CE号指令。

IN COMPLIANCE WITH DIRECTIVE 2014/30/CE.

一般规格 / *GENERAL SPECIFICATIONS*

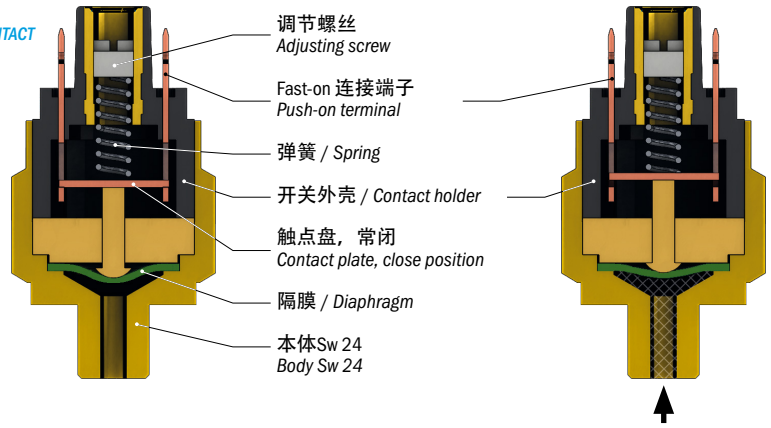
型号 *MODEL*	调整范围 *ADJUSTMENT RANGE* bar	尺寸 “D” *DIMENSIONS “D”* mm	最大静压 *MAX. STATIC PRESSURE* bar — 304不锈钢配置本体 *S.S. 304 BODY EXECUTION*	25°C 时固定滞后 *FIXED HYSTERESIS AT 25°C* bar	25°C 时公差 *TOLERANCE AT 25°C* bar	配置 *EXECUTION*
NPS 2	0.2 - 2	11	300	~20% set point	± 0.2	膜片 *Diaphragm*
NPS 10	1 - 10	11	300	~20% set point	± 0.4	
NPS 50	10 - 50	11	300	~20% set point	± 2	
NPS 100	10 - 100	11	300	~20% set point	± 3	
NPS 150	30 - 150	15	600	~20% set point	± 5	缸活塞 *Steel piston*
NPS 300	50 - 300	15	600	~20% set point	± 15	

Elettrotec保留未经事先通知更改产品技术数据或暂停生产的权利。该压力控制器触点受到强烈冲击或震动时可能会被损坏。用户有责任对我们的产品是否适合特定应用进行测试，例如，材料的兼容性测试。仅在现场试验中得到证实的使用才会是适当的。该样本中的技术信息基于产品开发过程中的测试和经验值的积累，他们可能并不适用于所有情况。

Elettrotec reserves the right to technical data of change to the products or halt production without prior notice. The pressure controller contacts can be damaged when subject to strong shocks or high vibration. It is the responsibility of the user to test the suitability of our products for the particular application, for example, the verification of material compatibility. The use may only be appropriate if proven in field tests. The technical information in this catalogue are based on tests made during product development and based on empirically gathered values. They may not be applicable in all cases.

常规技术参数
GENERAL TECHNICAL DATA

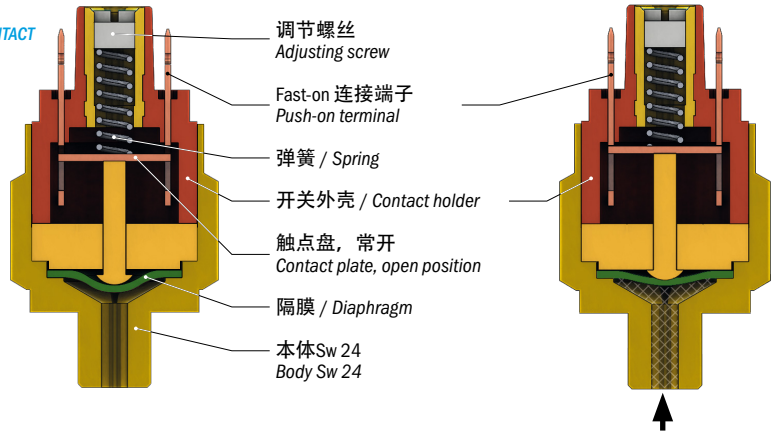
隔膜式压力控制器，常闭触点
DIAPHRAGM PRESSURE CONTROLLER, NC CONTACT



无压力
WITHOUT PRESSURE

有压力
WITH PRESSURE

隔膜式压力控制器，常开触点
DIAPHRAGM PRESSURE CONTROLLER, NO CONTACT



无压力
WITHOUT PRESSURE

有压力
WITH PRESSURE

建议紧固力矩 / *RECOMMENDED TIGHTENING TORQUES*

黄铜 / *Brass*		镀锌钢 *Zinc plated steel*		316不锈钢 / *S.s. 316*	
螺纹 *Thread*	建议紧固力矩* *Recommended tightening torque* Nm	螺纹 *Thread*	建议紧固力矩* *Recommended tightening torque* Nm	螺纹 *Thread*	建议紧固力矩* *Recommended tightening torque* Nm
R18	17	R18	22	R18	24
18K	17	18K	22	18K	24
18NPT	17	18NPT	22	18NPT	24
5/8UNF	30	5/8UNF	40	5/8UNF	45
R12	40	R12	55	R12	60
R14	25	R14	35	R14	40
14K	25	14K	35	14K	40
14NPT	25	14NPT	35	14NPT	40
M10	18	M10	25	M10	30
M12	23	M12	32	M12	35
10K	18	10K	25	10K	30
34K	50	34K	70	34K	80

电气触点分类 / *ELECTRICAL CONTACTS APPLIED*

触点材料 / *Contacts*			DIN-EN-60947-5-1 标准 *Standard DIN-EN-60947-5-1*	IEC60617电气符号 *Symbol IEC 60617*
NO	NO 常开 *NO normally open*	单刀单掷 *SPST*	X	
NC	NC 常闭 *NC normally closed*	单刀单掷 *SPST*	Y	
SC	SC 可切换 *CO change over (snap action)*	单刀双掷 *SPDT*	C	

* 不适当的扭矩可能会影响开关的机械寿命。相关法规以多种方式表达。通过改变用于制造开关本体的材料类型，也将改变紧固扭矩。

* *Improper torque may affect the mechanical life of the switch. The relevant legislation has been expressed in various ways. By varying the type of material used to make the switch body, will also vary the tightening torque.*

压力控制器 / *PRESSURE CONTROLLERS*

电气保护 *ELECTRIC PROTECTIONS*

		PMN	PMM	PM250	PMB	MS	PS	PSM PSP	PMC PMC...D	PPC PPCF	PPC...D PPCF...D	PML	PPL	PSK	MPS	PHP	PHC
页 / *Page*		9	11	13	15	17	17	21...28	29	31	31	33	33	35	37	39	41
电气保护**IP54** ***IP 54 electric protection***	保护帽1 *CAP. 1* 	●	●	●	●											●	
	保护帽10 *CAP. 10* 	●	●													●	
	保护帽12 *CAP. 12* 							●									
	保护帽16 *CAP. 16* 					●	●								●		
	保护帽30 *CAP. 30* 																●
	保护帽31 *CAP. 31* 																●
电气保护**IP65** ***IP 65 electric protection***	保护帽3 *CAP. 3* 	●	●	●												●	
	保护帽13 *CAP. 13* 					●	●										
	*DIN 43650 A*连接器 *DIN 43650 A connector* 							●	●	●	●	●	●	●	●		
电气保护**IP67** ***IP 67 electric protection***	保护帽14+飞线+连接器 *CAP. 14 + flying leads + connector* 	●		●		●	●									●	
	M12连接器 / *M12 connector* 					●	●	●	●	●	●	●	●	●	●		
	Deutsch接头 														●		

电气数据 *ELECTRIC DATA*

		PMN	PMM	PM250	PMB	MS	PS	PSM PSP	PMC PMC...D	PPC PPCF	PPC...D PPCF...D	PML	PPL	PSK	MPS	PHP	PHC
电源 / ***Power supply***	12 Vac/dc	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	24 Vac/dc	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	48 Vac/dc	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	110 Vac/dc			●		●	●	●	●	●	●	●	●	●	●		●
	220 Vac/dc			●		●	●	●	●	●	●	●	●	●	●		●
	250 Vac/dc			●		●	●	●	●	●	●	●	●	●	●		●
最大电流 / ***Max. current***	< 30 mA	●	●	●		●	●	●	●	●	●	●	●	●	●		
	0.5 A	●	●	●	●											●	
	3 A								●	●	●	●	●	●			
	4 A																●
	6 A					●	●	●									
	7 A														●		
	8 A																●
	10 A								●	●	●	●	●	●			
	15 A																●
镀银触点 / ***Silver plated contacts***		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
镀金触点 / ***Gold plated contacts***		●	●	●		●	●	●	●	●	●	●	●	●	●		
固定复位差 / ***Fixed hysteresis***		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
可调复位差 / ***Adjustable hysteresis***								●									
本体 **Ch 24** / ***Body 24 AF***		●	●	●	●	●	●					●	●		●	●	
本体 **Ch 27** / ***Body 27 AF***								●									

ELETTROTEC保留未经事先通知更改产品技术数据或暂停生产的权利。该压力控制器触点受到强烈冲击或震动时可能会被损坏。用户有责任对我们的产品是否适合特定应用进行测试，例如，材料的兼容性测试。仅在现场试验中得到证实的使用才会是适当的。该样本中的技术信息基于产品开发过程中的测试和经验值的积累，他们可能并不适用于所有情况。

Elettrotec reserves the right to technical data of change to the products or halt production without prior notice. The pressure controller contacts can be damaged when subject to strong shocks or high vibration. It is the responsibility of the user to test the suitability of our products for the particular application, for example, the verification of material compatibility. The use may only be appropriate if proven in field tests. The technical information in this catalogue are based on tests made during product development and based on empirically gathered values. They may not be applicable in all cases.