

### 如何订购 / HOW TO ORDER

型号 / Model	PHP	10	A	W	HT	14K	T5D	选项 / Options
范围 / RANGE	1 - 2 - 10		本体 / Body B - W		隔膜 / Diaphragm 见表隔膜 / 密封垫 see diaphragm / gasket table		SM - T... - T...D - G - SG - TG - CAP3	
触电状态 (无压力) / Contact (without pressure)	A - C							
	"C"	螺纹 / Thread					"B"	
	18K	G1/8 BSPT 锥度 / taper					10	
	14K	G1/4 BSPT 锥度 / taper					12	
	10K	M10x1 锥度 / taper					10	
	M12	M12x1.5 平行 / parallel					12	
	R14	G1/4 BSPP 平行 / parallel					12	
	R18	G1/8 BSPP 平行 / parallel					10	
	14NPT	1/4" NPT 锥度 / taper					12	
	18NPT	1/8" NPT 锥度 / taper					10	

<b>电气规格</b>		<b>Electrical specifications</b>	
最大电压	48Vca/cc	Max voltage	48 Vac/dc
电流	0.5 (0.2) A	Current	0.5 (0.2) A
温度范围	-5/+200 °C	Temperature range	-5/+200 °C
最大循环速率	200/min	Max. cycle rate	200/min
机械寿命 (蒸汽, 140°C)	10 <sup>6</sup> 操作	Mechanical life (steam, 140°C)	10 <sup>6</sup> operations
最大静压		Max. static pressure	
(25°C, 空气/油)	300 bar	(25°C, air/oil)	300 bar
防护端子	IP 00	Protection (terminals)	IP 00
带保护帽1和10的防护	IP 54	Protection with CAP 1 - CAP 10	IP 54
带保护帽3的防护	IP 65	Protection with CAP 3	IP 65
<b>材料</b>		<b>Materiali</b>	
本体	316不锈钢、黄铜	Body	S.S.316, Brass
可用螺纹		Available threads	
	18K G1/8 BSPT 锥度	18K	G1/8 BSPT taper
	14K G1/4 BSPT 锥度	14K	G1/4 BSPT taper
	10K M10x1 锥度	10K	M10x1 taper
	M12 M12x1.5 平行	M12	M12x1.5 parallel
	R14 G1/4 BSPP 平行	R14	G1/4 BSPP parallel
	R18 G1/8 BSPP 平行	R18	G1/8 BSPP parallel
	14NPT 1/4" NPT 锥度	14NPT	1/4" NPT taper
	18NPT 1/8" NPT 锥度	18NPT	1/8" NPT taper
开关外壳	半结晶聚合物	Switch housing	semy-cristalline polymer
触点状态	铜镀金	Electric contact	gold-plated brass
膜片	四氟乙烯丙烯	Diaphragm	tetrafluoroethylene propylene

### 膜片

#### 特性随温度变化

环境	测试标准	时间	温度	硬度 [Sh]	机械强度 [%]	综合 [%]
水/油		70hr	90°C	-1	-2%	-3,1%
蒸汽	astm d471	70hr	150°C	-1	-10%	+10%
蒸汽	astm d471	168hr	200°C	-2,5	-25%	+5.5%

#### 技术规格

工作压力	0,5/12 bar
设定点公差	+/-0,1 bar a 25°C, aria
2.2 bar时的磁滞	40 mbar

### Diaphragm

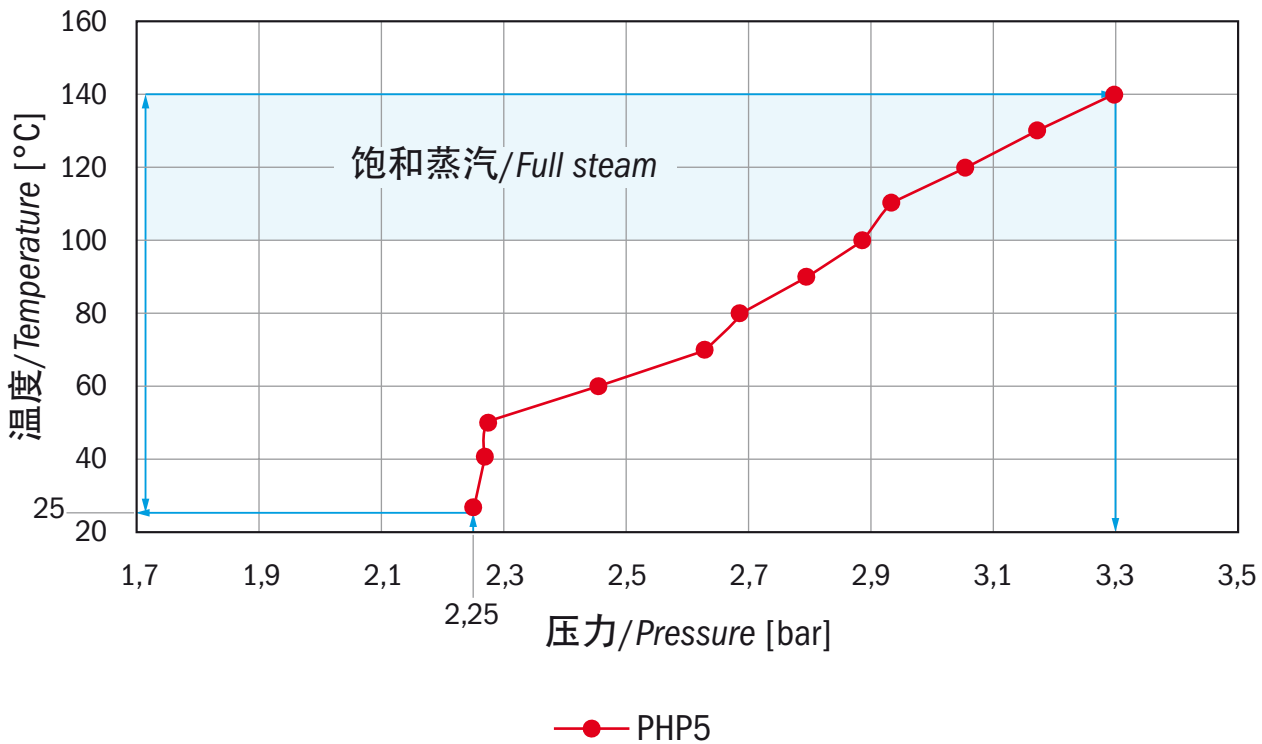
#### Variation of characteristics with temperature

Room	spec. test	time	temp.	hardness [Sh]	mech. resist. [%]	all. [%]
Water/oil		70hr	90°C	-1	-2%	-3,1%
Steam	astm d471	70hr	150°C	-1	-10%	+10%
Steam	astm d471	168hr	200°C	-2,5	-25%	+5.5%

#### Technical specifications

Working pressure	0,5/12 bar
Set-point tolerance	+/-0,1 bar at 25°C, air
Hysteresis at 2,2 bar	40 mbar

校准压力随温度的升高而变化  
SETTING PRESSURE VARIATION DUE TO TEMPERATURE VARIATION



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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.