

产品概要:

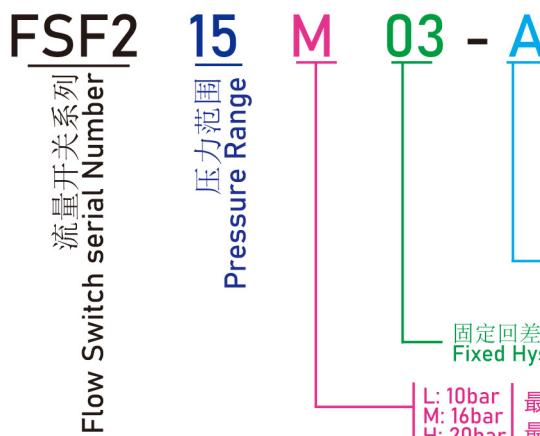
FSF2系列压力开关是一款压力范围可调，固定回差微压差开关。是靶式流量开关的替代品，可以避免冷水机组每年需要更换靶式流量开关的弊端。针对少量使用且对压差值有不同要求的应用场合而开发的，广泛应用于工程检测水过滤器，泵，热交换器等冷水机组及盘管等的压差。当系统中水流量(压差)上升或下降到设定值时，输出一个报警或切断功能的信号提供给自控系统，也可以用做指示泵或水过滤器的状态。

参照标准 Reference Standard:

- 1) UL508
- 2) GB14048-2000《低压开关设备和控制设备总则》；
- 3) GB14048.5-2000《低压开关设备和控制设备第5-1部分控制电器和开关元件-机电式控制电路电器》

Product Introduction

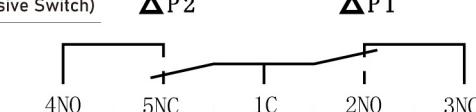
FSF2 Series Pressure switch is a pressure range adjustable, fixed hysteresis micro-differential pressure switch. It is great choice to replace target flow switch, which can avoid replacing the target flow switches in water chillers every year. Developed for a small number of applications with different requirements for differential pressure, widely used in engineering monitoring differential pressure in water filters, pumps, heat exchangers and other chillers and coils, etc.. When the amount of water flow (Differential pressure) in the system increases / decreases to the set value, the output of an alarm / cutoff function signal is provided to automatic control system. It can also be used as an indicator of the status of the pumps or water filters.



命名规则
Model
Designation

技术参数 Technical Parameters

| | | | |
|-----------------------------------|--|--|--|
| 介质 Medium | 水、空气，油等非腐蚀性介质 Water, air, oil and other Non-corrosive medium | | |
| 接触方式 Electrical Conetections | 双刀双掷（微动） DPDT (micro switch) | | |
| 电气规格 Electrical Rating | 3A 250VAC (无源开关 Passive Switch) | | |
| 保存温度 Storage Temperature | -29~82°C | | |
| 使用环境温度 Ambient Temperature | -20~71°C | | |
| 使用介质温度 Medium Temperature | -20~93°C | | |
| 高低压侧接口 Connction type & size | Female 1/4" BSP thread 黄铜 Brass | | |
| 最大允许静压 Max. Static Pressure | 10/16/20bar (默认Default: 16bar) | | |
| 最大允许压差 Max. Differential Pressure | 10/16/20bar (默认Default: 16bar) | | |
| 设定点重复性偏差 Setpoint repeatability | ±1% | | |
| 保护等级 Protection Rate | IP54 | | |
| 电气寿命 Electric Working Life | 3万次 30,000 times | | |
| 机械寿命 Mechanic Working Life | 10万次 100,000 times | | |
| 接触电阻 Contacts Resistance | $\leq 100\text{m}\Omega$ | | |
| 绝缘电阻 Insulation resistance | $\geq 10\text{M}\Omega$ | | |
| 介电性能 Dielectric strength | 1200V, 1 min下无击穿和闪络现象 No breakdown and flashover | | |



常规型号 Common Models

| | 型号 Model | 压力范围 Pressure Range | 回差 Hysteresis |
|---------------------------|-------------|------------------------|------------------|
| 工作压力段 Pressure Section | FSF2015M03B | 5-15kPa | 3kPa |
| | FSF2030M03B | 5-30kPa | 3kPa |
| | FSF2070M05B | 6-70kPa | 5kPa |
| | FSF2100M06B | 6-100kPa | 6kPa |
| | FSF2200M10B | 10-200kPa | 10kPa |
| | FSF2300M15B | 20-300kPa | 15kPa |
| | FSF2400M20B | 30-400kPa | 20kPa |

