

## SN1系列小型高灵敏限位开关

### 特点

- 坚固的金属外壳设计
- 紧凑，体积小，可以多个开关并起来使用
- 密封性好，防水，防油
- 长机械寿命
- 高灵敏度 (M. D. =0.1mm)
- 镀金触点可用于低电流应用
- M12 标准接口

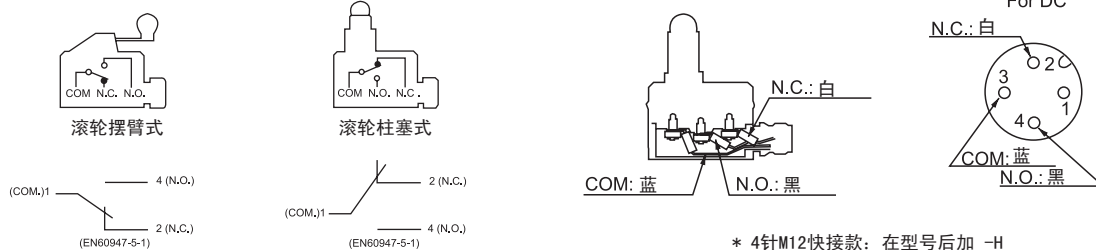
### 动作特性定义

- |        |               |
|--------|---------------|
| OF 动作力 | PT 动作行程 (预行程) |
| RF 复位力 | MD 距差         |
| OT 超行程 | OP 动作位置       |
| TT 总行程 |               |

### 规格

操作速度	0.02mm-0.5m/sec
操作频率	120ops/min
绝缘电阻	>100MΩ@500V DC
接点电阻	<25mΩ (初值)
额定电流/电压	标准负载型 (银触点) 5A/250VAC or 5A/30VDC 低电流型 (镀金触点) 0.1A/250VAC or 0.1A/30VDC
耐压值	同级端子间1000VAC 50/60Hz 1分钟 端子对地或对无载金属间2500VAC 50/60Hz 1分钟
寿命	机械 2×10 <sup>7</sup> 次 电气 5×10 <sup>5</sup> 次
环境温度	-30~+80°C (-22~176°F) 不结冰
湿度	< 95%RH
保护等级	IP67

### 接线图



### 安装尺寸 单位: mm

**SN110**

动作特性

● OF <sub>max</sub> 11.8N	● OT <sub>min</sub> 3 mm
● RF <sub>min</sub> 4.9N	● MD <sub>max</sub> 0.1mm
● PT <sub>max</sub> 1.5mm	● OP 25.4±0.8mm

**SN1141**

动作特性

● OF <sub>max</sub> 4.0 N	● OT <sub>min</sub> 4 mm
● RF <sub>min</sub> 0.78 N	● MD <sub>max</sub> 0.3 mm
● PT <sub>max</sub> 2 mm	● OP 23.1±0.8mm

## SN1系列小型高灵敏限位开关

<p>Technical drawing for SN1111 showing dimensions: 45.4, 6.2, 33±0.15, 9.5±0.25, 28.4, 42<sup>-0.1</sup> dia., 44.5±0.8, 12.6±1, 18, 20, 8, 10, 4. Components: Plunger: 11 dia. x 4 Stainless steel, M14 x 1, Nut: thickness 2.5 Distance across flats 17, 3-M3 x 5 terminal screw, Conduit hole 9.7±0.15 dia.</p>	<p>Technical drawing for SN1112 showing dimensions: 45.4, 6.2, 33±0.15, 9.5±0.25, 28.4, 42<sup>-0.1</sup> dia., 44.5±0.8, 12.6±1, 18, 20, 8, 10, 4. Components: Plunger: 11 dia. x 4 Stainless steel, Setting position indication, M14 x 1, Nut: thickness 2.5 Distance across flats 17, 3-M3 x 5 terminal screw, Conduit hole 9.7±0.15 dia.</p>
<p><b>SN1111</b> 动作特性</p> <ul style="list-style-type: none"> <li>• OF<sub>max</sub> 11.8N</li> <li>• RF<sub>min</sub> 4.9N</li> <li>• PT<sub>max</sub> 1.5mm</li> <li>• OT<sub>min</sub> 3 mm</li> <li>• MD<sub>max</sub> 0.1mm</li> <li>• OP 31.4±0.8mm</li> </ul>	<p><b>SN1112</b> 动作特性</p> <ul style="list-style-type: none"> <li>• OF<sub>max</sub> 11.8N</li> <li>• RF<sub>min</sub> 4.9N</li> <li>• PT<sub>max</sub> 1.5mm</li> <li>• OT<sub>min</sub> 3 mm</li> <li>• MD<sub>max</sub> 0.1mm</li> <li>• OP 31.4±0.8mm</li> </ul>
<p>Technical drawing for SN1121 showing dimensions: 45.4, 6.2, 33±0.15, 9.5±0.25, 28.4, 42<sup>-0.1</sup> dia., 44.5±0.8, 12.6±1, 18, 20, 8, 10, 4. Components: Roller: 11 dia. x 4 Sintered stainless steel, Boot seal Oil - proof synthetic rubber, 3-M3 x 5 terminal screw, Conduit hole 9.7±0.15 dia.</p>	<p>Technical drawing for SN1110-E showing dimensions: 45.4, 6.2, 33±0.15, 9.5±0.25, 28.4, 42<sup>-0.1</sup> dia., 44.5±0.8, 12.6±1, 18, 20, 8, 10, 4. Components: Plunger: 7.8 dia., Setting position indication, M14 x 1, Hex nut across flay/17, thick 2.5, 3-M3 x 5 terminal screw, Conduit hole 9.7±0.15 dia.</p>
<p><b>SN1121</b> 动作特性</p> <ul style="list-style-type: none"> <li>• OF<sub>max</sub> 11.8N</li> <li>• RF<sub>min</sub> 4.9N</li> <li>• PT<sub>max</sub> 1.5mm</li> <li>• OT<sub>min</sub> 3 mm</li> <li>• MD<sub>max</sub> 0.1mm</li> <li>• OP 41.4±0.8mm</li> </ul>	<p><b>SN1110-E</b> 动作特性</p> <ul style="list-style-type: none"> <li>• OF<sub>max</sub> 11.8N</li> <li>• RF<sub>min</sub> 4.9N</li> <li>• PT<sub>max</sub> 1.5mm</li> <li>• OT<sub>min</sub> 3 mm</li> <li>• MD<sub>max</sub> 0.1mm</li> <li>• OP 35.4±0.8mm</li> </ul>
<p>Technical drawing for SN1111-E showing dimensions: 45.4, 6.2, 33±0.15, 9.5±0.25, 28.4, 42<sup>-0.1</sup> dia., 44.5±0.8, 12.6±1, 18, 20, 8, 10, 4. Components: Plunger: 11 dia. x 4, Hex nut across flay/17, thick 2.5, M14 x 1, 3-M3 x 5 terminal screw, Conduit hole 9.7±0.15 dia.</p>	<p>Technical drawing for SN1112-E showing dimensions: 45.4, 6.2, 33±0.15, 9.5±0.25, 28.4, 42<sup>-0.1</sup> dia., 44.5±0.8, 12.6±1, 18, 20, 8, 10, 4. Components: Plunger: 11 dia. x 4, Setting position indication, M14 x 1, Hex nut across flay/17, thick 2.5, 3-M3 x 5 terminal screw, Conduit hole 9.7±0.15 dia.</p>
<p><b>SN1111-E</b> 动作特性</p> <ul style="list-style-type: none"> <li>• OF<sub>max</sub> 11.8N</li> <li>• RF<sub>min</sub> 4.9N</li> <li>• PT<sub>max</sub> 1.5mm</li> <li>• OT<sub>min</sub> 3 mm</li> <li>• MD<sub>max</sub> 0.1mm</li> <li>• OP 41.4±0.8mm</li> </ul>	<p><b>SN1112-E</b> 动作特性</p> <ul style="list-style-type: none"> <li>• OF<sub>max</sub> 11.8N</li> <li>• RF<sub>min</sub> 4.9N</li> <li>• PT<sub>max</sub> 1.5mm</li> <li>• OT<sub>min</sub> 3 mm</li> <li>• MD<sub>max</sub> 0.1mm</li> <li>• OP 41.4±0.8mm</li> </ul>