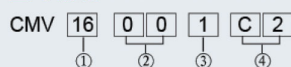


# CMV16 小型微动开关



## 型号说明 Model Number Structure

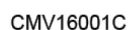


| 项目 Item                           | 代号 Code  | 说明 Description                            |
|-----------------------------------|----------|-------------------------------------------|
| ① 额定电流<br>Rated Current           | 16       | 16A                                       |
| ② 头部及传动杆<br>Head and driving rod  | 00       | 按钮型 Button type                           |
|                                   | 01       | 长柄型 Long handle type                      |
|                                   | 02       | 短柄型 Short shank type                      |
|                                   | 03       | 长滑轮型 Long pulley type                     |
|                                   | 04       | 短滑轮型 Short pulley type                    |
|                                   | 05<br>06 | 加长柄型 Longer handle type<br>曲柄型 Crank type |
| ③ 触点形式<br>Contact form            | 1        | 一常开 一常闭触点 1NO/1NC                         |
|                                   | 2        | 一常闭触点 1NC                                 |
|                                   | 3        | 一常开触点 1NO                                 |
| ③ 端子规格<br>Terminal specifications | C        | #250 型端子 #250 terminal                    |
|                                   | C2       | #187 型端子 #187 terminal                    |

### 动作特性 Operating Characteristics

| 型号      | Model                 | CMV16        | CMV16001C2   | CMV16011C2   | CMV16021C    | CMV16031C2   | CMV16041C2   | CMV16051C2 | CMV16061C    |
|---------|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|
| 操作力     | Operating force       | PT 最大 (Max.) | 2.4N         | 1.23N        | 2.4N         | 1.23N        | 2.7N         | 0.69N      | 1.2N         |
| 回弹力     | Release force         | RF 最小 (Min.) | 0.49N        | 0.14N        | 0.49N        | 0.14N        | 0.49N        | 0.06N      | 0.14N        |
| 预行程     | Pre-travel            | PT 最大 (Max.) | 1.2mm        | 4.0mm        | 1.6mm        | 4.0mm        | 1.5mm        | 9.0mm      | 4.0mm        |
| 过行程     | Over travel           | OT 最小 (Min.) | 1.0mm        | 1.6mm        | 0.8mm        | 1.6mm        | 0.8mm        | 2.0mm      | 1.5mm        |
| 行程移动分辨率 | Movement differential | MD 最小 (Max.) | 0.4mm        | 1.5mm        | 0.6mm        | 1.5mm        | 0.6mm        | 2.8mm      | 1.5mm        |
| 动作位置    | Operating position    | OP(mm.)      | 14.7 ± 0.4mm | 15.2 ± 1.2mm | 15.2 ± 0.5mm | 20.7 ± 1.2mm | 20.7 ± 0.6mm | 15.2 ± 3mm | 18.7 ± 1.2mm |

## 外观和尺寸 Appearance and Dimension



## 额定值 Ratings

| 项目<br>Item<br><br>规格<br>Spec. | 额定<br>电压<br>Rated<br>Voltage | 非电感性负载<br>Noninductive Load (A) |      |                   |      | 电感性负载<br>Inductive Load (A) |    |                    |    | 突入<br>电流 (A)<br>Inrush<br>Current |
|-------------------------------|------------------------------|---------------------------------|------|-------------------|------|-----------------------------|----|--------------------|----|-----------------------------------|
|                               |                              | 电阻性负载<br>Resistance Load        |      | 灯泡负载<br>Lamp Load |      | 电感性负载 Induc-<br>tive Load   |    | 马达负载<br>Motor Load |    |                                   |
|                               |                              | NC                              | NO   | NC                | NO   | NC                          | NO | NC                 | NO |                                   |
|                               |                              | NC                              | NO   | NC                | NO   | NC                          | NO | NC                 | NO |                                   |
| 16A                           | 250VAC                       | 16                              |      | 2                 |      | 10                          |    | 3                  |    | 40<br>以下<br>max.                  |
|                               | 8VDC                         | 16                              | 4    | 10                | 6    |                             |    |                    |    |                                   |
|                               | 30VDC                        | 10                              | 4    | 10                | 4    |                             |    |                    |    |                                   |
|                               | 125VDC                       | 0.6                             | 0.1  | 0.6               | 0.1  |                             |    |                    |    |                                   |
|                               | 250VDC                       | 0.3                             | 0.05 | 0.3               | 0.05 |                             |    |                    |    |                                   |

## 规格 Specifications

| 型式 Type                     |                                                                                                                               | CMV 16 型 CMV 16 type                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 项目 Item                     |                                                                                                                               |                                                                            |
| 操作速度 Operation speed        |                                                                                                                               | 0.05mm~1m/s( 按钮型 Button type)                                              |
| 动作频率 Operating frequency    |                                                                                                                               | 电气 Electrical: 20 operations/min                                           |
| 绝缘电阻 Insulation resistance  |                                                                                                                               | 100MΩ 以上 (在 500VDC 以下) 100mΩ above(at 500VDC)                              |
| 接点电阻 Contact resistance     |                                                                                                                               | 15mΩ 以下 ( 初期 ) 15mΩ max. (initial value)                                   |
| 耐电压<br>Withstand<br>voltage | 非连续端子间<br>Non-continuous terminals                                                                                            | 1,000VAC, 50/60Hz 持续 1 分钟<br>1000VAC, 50/60 Hz for 1 minute                |
|                             | 载电流和无载电流<br>零件间, 端子和接<br>地之间<br>current-carrying and<br>non-current-carrying<br>metal parts, Between<br>terminal and earthing | 2,000VAC, 50/60Hz 持续 1 分钟<br>2000VAC, 50/60 Hz for 1 minute                |
| 振动<br>Vibration             | 误动作 Misoperation                                                                                                              | 10 至 55Hz, 1.5mm 双振幅<br>10 to 55Hz, 1.5mm pairs swing                      |
| 冲击<br>Shock                 | 耐久 Durable                                                                                                                    | 最大 1,000m/S <sup>2</sup> ( 约 100G)<br>Maximum 1000 m/S <sup>2</sup> (100G) |
|                             | 误动作 Misoperation                                                                                                              | 最大 200m/S <sup>2</sup> ( 约 100G)<br>Maximum 200 m/S <sup>2</sup> (100G)    |
| 寿命 Life                     | 电气的 Electrical                                                                                                                | 30 万次以上 More than 300000 times                                             |
| 使用周围温度 Temperature          |                                                                                                                               | 使用时 :-20~+70℃ ( 没有结冰 )<br>Using: -20~+70℃ ( With no icing )                |
| 使用周围湿度 Humidity             |                                                                                                                               | 85%RH 以下 (+5~+35℃ )Below 85% RH                                            |

