

- 采用强化塑胶外壳，辅助密封式结构，具有更好的机械强度以及防油防尘；
- 侧面固定形式，接点敏捷；
- 配备各种形式的驱动连杆；
- 广泛应用于各种机械设备、自动化设备、仪器仪表等领域。
- Adopt outer shell with intensive plastic and sealed construction, better mechanical strength and water-proof and oil-proof;
- Side fixed form and swift contact;
- Variety of levers;
- Widely used in Mechanical equipment ,automatic machine, and instrument, electro motion tool etc.



## □ 型号含义 Model & Meanings

**X Z - 7 100**

传动类型 Drive Shaft Type

100: 按钮型 Pin plunger type

110: 长按钮型 Long plunger type

120: 枢轴手柄型 Hinge lever type

121: 枢轴滚筒手柄型 Hinge roller lever type

140: 枢轴短手柄型 Short lever type

141: 枢轴滚筒短手柄型 Short roller lever type

144: 单方向动作枢轴滚筒手柄型 Unidirectional hinge roller lever type

310: 面板安装按钮型 Panel mount plunger type

311: 面板安装滚筒按钮型 Panel mount roller plunger type

312: 面板安装交叉滚筒按钮型 Panel mount cross roller plunger type

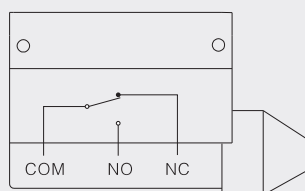
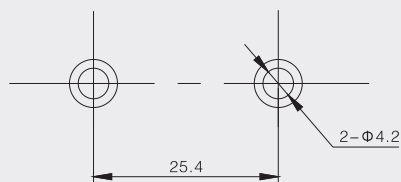
166: 万向塑料端头弹簧摇杆型 Plastic end flexible spring rod type

设计类型 Design Type

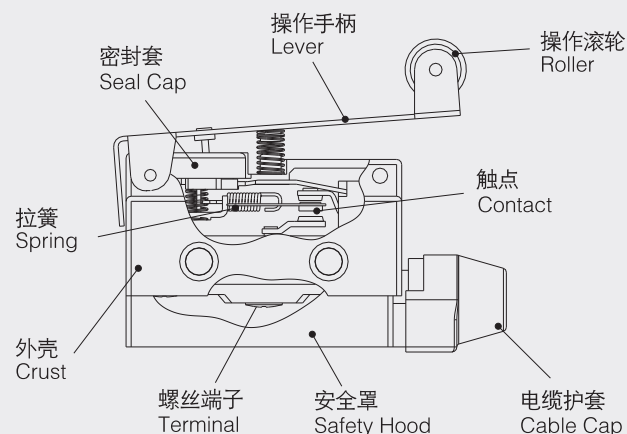
开关代号 Switch Type Code

企业代号 Company Code

## □ 安装孔尺寸及触点形式 Mounting Holes & Contact Form



## □ 产品结构图 Product Structure



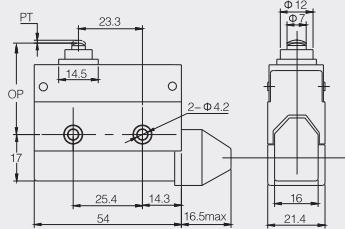
## □ 性能参数 Specification

| 项 目  | Item                  | 参数值 Data                  |                             |
|------|-----------------------|---------------------------|-----------------------------|
| 额定负荷 | Rating load           | 10A/250VAC                |                             |
| 操作速度 | Operation speed       | 0.1mm—50cm/s              |                             |
| 操作频率 | Operation frequency   | 机 械 Mechanical            | 120次/分 120times/min         |
|      |                       | 电 气 Electrical            | 20次/分 20times/min           |
| 绝缘电阻 | Insulation resistance | 100mΩ 以上(Above) DC500V    |                             |
| 接触电阻 | Contact resistance    | 25mΩ 初值 initial value)    |                             |
| 介质耐压 | Withstand voltage     | 非 连 线 Non-connection wire | 1000VAC                     |
|      |                       | 各端子间 Every terminal       | 1500VAC                     |
| 振 动  | Vibration             | 误 动 作 Misoperation        | 10—55Hz 复振幅 Amplitude 1.5mm |
| 冲 击  | Impact                | 耐 久 Durable               | 1000m/s <sup>2</sup>        |
|      |                       | 误 动 作 Misoperation        | 300m/s <sup>2</sup>         |
| 寿 命  | Life                  | 电 气 Electrical            | 100,000次以上 above            |
|      |                       | 机 械 Mechanical            | 1,000,000次以上 above          |
| 防护等级 | Protection degree     | IP65                      |                             |
| 使用温度 | Operating temperature | -10~+80℃                  |                             |
| 使用湿度 | Operating humidity    | <85%                      |                             |

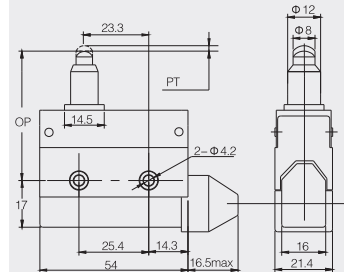
## □ 外形尺寸/动作特性 Dimensions/Operating Characteristics

| 型号 Models   | XZ7-100     | XZ7-110     | XZ7-120     | XZ7-121     | XZ7-140     | XZ7-141     | XZ7-144     | XZ7-310     | XZ7-311     | XZ7-312     | XZ7-166     |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 动作力 OF max. | 950g(9.31N) | 500g(4.9N)  | 100g(0.98N) | 130g(1.27N) | 160g(1.57N) | 160g(1.57N) | 250g(2.45N) | 400g(3.92N) | 400g(3.92N) | 400g(3.92N) | 150g(1.47N) |
| 回复力 RF min. | 200g(1.96N) | 100g(0.98N) | 20g(0.2N)   | 22g(0.22N)  | 25g(0.25N)  | 25g(0.25N)  | 40g(0.39N)  | 60g(0.59N)  | 60g(0.59N)  | 60g(0.59N)  | --          |
| 预行程 PT max. | 1.8mm       | 2mm         | 6mm         | 8.5mm       | 4mm         | 4.8mm       | 5mm         | 2mm         | 2mm         | 2mm         | 20mm        |
| 超行程 OT min. | 0.5mm       | 5mm         | 4mm         | 3.2mm       | 2mm         | 3mm         | 4mm         | 4mm         | 4mm         | 4mm         | --          |
| 差行程 MD max. | 0.5mm       | 0.8mm       | 2.6mm       | 2mm         | 1.5mm       | 2mm         | 4mm         | 1mm         | 1mm         | 1mm         | --          |
| 动作位置 OP     | 30.8±0.6mm  | 48±0.8mm    | 27±1mm      | 40±1mm      | 24.5±1mm    | 40±1mm      | 51.5±1mm    | 23±1.2mm    | 33.5±1.2mm  | 33.5±1.2mm  | --          |

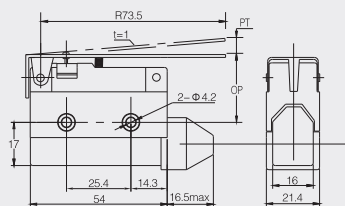
### • 按钮型 XZ7-100



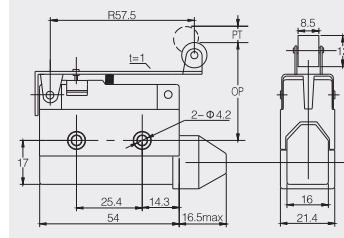
### • 长按钮型 XZ7-110



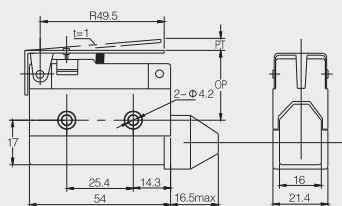
### • 枢轴手柄型 XZ7-120



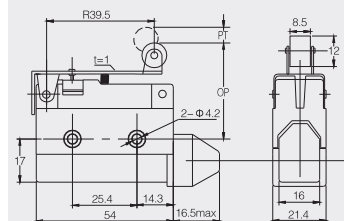
### • 枢轴滚简手柄型 XZ7-121



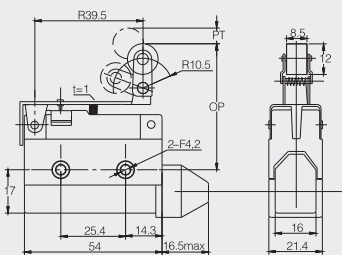
• 枢轴短手柄型  
XZ7-140



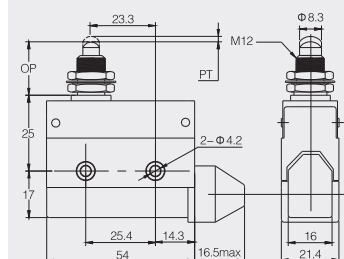
• 枢轴滚筒短手柄型  
XZ7-141



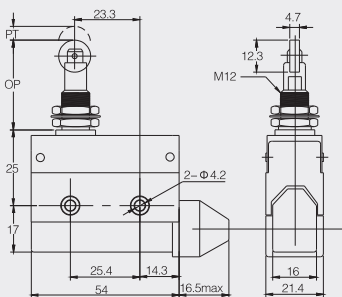
• 单方向动作枢轴滚筒手柄型  
XZ7-144



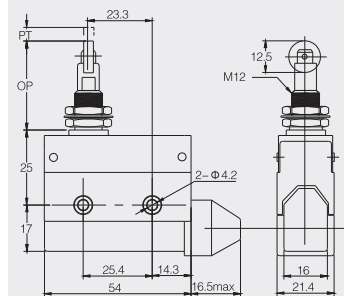
• 面板安装按钮型  
XZ7-310



• 面板安装滚筒按钮型  
XZ7-311



• 面板安装交叉滚筒按钮型  
XZ7-312



• 万向式塑料端头弹簧摇杆型  
XZ7-166

