

# 光电开关 PHOTOELECTRIC SWITCH



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| 结构分类 Structural category                               |                        | 光电开关 Photoelectric switch                                                      |                         |                         |                         |
|--------------------------------------------------------|------------------------|--------------------------------------------------------------------------------|-------------------------|-------------------------|-------------------------|
| 外形编号 Outward appearance code                           |                        | G16                                                                            | G17                     | G18                     | G23                     |
| 外形图例<br>Outward appearance illustration                |                        |                                                                                |                         |                         |                         |
| 外形尺寸<br>Overall dimensions                             |                        |                                                                                |                         |                         |                         |
| 漫反射型<br>Diffuse Type                                   | 检测距离Detection distance | 10cm                                                                           | 30cm                    | 10cm-30cm               | 10cm-50cm               |
|                                                        | 直流 10-30 VDC           | 常开NO<br>G16-3A10NA                                                             | 常开NO<br>G17-3A30NA      | 常开NO<br>G18-3A10NA      | 常开NO<br>G23-3A10NA      |
|                                                        |                        | 常闭NC<br>G16-3A10NB                                                             | 常闭NC<br>G17-3A30NB      | 常闭NC<br>G18-3A10NB      | 常闭NC<br>G23-3A10NB      |
|                                                        |                        | 一开一闭NO+NC<br>G16-3A10NC                                                        | 一开一闭NO+NC<br>G17-3A30NC | 一开一闭NO+NC<br>G18-3A10NC | 一开一闭NO+NC<br>G23-3A10NC |
|                                                        |                        | 常开NO<br>G16-3A10PA                                                             | 常开NO<br>G17-3A30PA      | 常开NO<br>G18-3A10PA      | 常开NO<br>G23-3A10PA      |
|                                                        |                        | 常闭NC<br>G16-3A10PB                                                             | 常闭NC<br>G17-3A30PB      | 常闭NC<br>G18-3A10PB      | 常闭NC<br>G23-3A10PB      |
|                                                        |                        | 一开一闭NO+NC<br>G16-3A10PC                                                        | 一开一闭NO+NC<br>G17-3A30PC | 一开一闭NO+NC<br>G18-3A10PC | 一开一闭NO+NC<br>G23-3A10PC |
|                                                        | 交流 90-250 VAC          | 常开NO<br>G16-3A10NA                                                             | 常开NO<br>G17-3A30NA      | 常开NO<br>G18-2A10LA      | 常开NO<br>G23-3A10NA      |
|                                                        |                        | 常闭NC<br>G16-3A10NB                                                             | 常闭NC<br>G17-3A30NB      | 常闭NC<br>G18-2A10LB      | 常闭NC<br>G23-3A10NB      |
|                                                        | 继电器输出 Relay output     |                                                                                |                         |                         |                         |
| 反射镜型<br>Retroreflective                                | 检测距离Detection distance | 1m                                                                             | 2m                      | 2m                      | 2m                      |
|                                                        | 直流 10-30 VDC           | 常开NO<br>G16-3B1NA                                                              | 常开NO<br>G17-3B2NA       | 常开NO<br>G18-3B2NA       | 常开NO<br>G23-3B2NA       |
|                                                        |                        | 常闭NC<br>G16-3B1NB                                                              | 常闭NC<br>G17-3B2NB       | 常闭NC<br>G18-3B2NB       | 常闭NC<br>G23-3B2NB       |
|                                                        |                        | 一开一闭NO+NC<br>G16-3B1NC                                                         | 一开一闭NO+NC<br>G17-3B2NC  | 一开一闭NO+NC<br>G18-3B2NC  | 一开一闭NO+NC<br>G23-3B2NC  |
|                                                        |                        | 常开NO<br>G16-3B1PA                                                              | 常开NO<br>G17-3B2PA       | 常开NO<br>G18-3B2PA       | 常开NO<br>G23-3B2PA       |
|                                                        |                        | 常闭NC<br>G16-3B1PB                                                              | 常闭NC<br>G17-3B2PB       | 常闭NC<br>G18-3B2PB       | 常闭NC<br>G23-3B2PB       |
|                                                        |                        | 一开一闭NO+NC<br>G16-3B1PC                                                         | 一开一闭NO+NC<br>G17-3B2PC  | 一开一闭NO+NC<br>G18-3B2PC  | 一开一闭NO+NC<br>G23-3B2PC  |
|                                                        | 交流 90-250 VAC          | 常开NO<br>G16-3B1NA                                                              | 常开NO<br>G17-3B2NA       | 常开NO<br>G18-2B2LA       | 常开NO<br>G23-3B2NA       |
|                                                        |                        | 常闭NC<br>G16-3B1NB                                                              | 常闭NC<br>G17-3B2NB       | 常闭NC<br>G18-2B2LB       | 常闭NC<br>G23-3B2NB       |
|                                                        | 继电器输出 Relay output     |                                                                                |                         |                         |                         |
| 对射型<br>Through beam                                    | 检测距离Detection distance | 5m                                                                             | 3m                      | 5m                      | 5m                      |
|                                                        | 直流 10-30 VDC           | 常开NO<br>G16-3C5NA                                                              | 常开NO<br>G17-3C3NA       | 常开NO<br>G18-3C5NA       | 常开NO<br>G23-3C5NA       |
|                                                        |                        | 常闭NC<br>G16-3C5NB                                                              | 常闭NC<br>G17-3C3NB       | 常闭NC<br>G18-3C5NB       | 常闭NC<br>G23-3C5NB       |
|                                                        |                        | 一开一闭NO+NC<br>G16-3C5NC                                                         | 一开一闭NO+NC<br>G17-3C3NC  | 一开一闭NO+NC<br>G18-3C5NC  | 一开一闭NO+NC<br>G23-3C5NC  |
|                                                        |                        | 常开NO<br>G16-3C5PA                                                              | 常开NO<br>G17-3C3PA       | 常开NO<br>G18-3C5PA       | 常开NO<br>G23-3C5PA       |
|                                                        |                        | 常闭NC<br>G16-3C5PB                                                              | 常闭NC<br>G17-3C3PB       | 常闭NC<br>G18-3C5PB       | 常闭NC<br>G23-3C5PB       |
|                                                        |                        | 一开一闭NO+NC<br>G16-3C5PC                                                         | 一开一闭NO+NC<br>G17-3C3PC  | 一开一闭NO+NC<br>G18-3C5PC  | 一开一闭NO+NC<br>G23-3C5PC  |
|                                                        | 交流 90-250 VAC          | 常开NO<br>G16-3C5NA                                                              | 常开NO<br>G17-3C3NA       | 常开NO<br>G18-2C5LA       | 常开NO<br>G23-3C5NA       |
|                                                        |                        | 常闭NC<br>G16-3C5NB                                                              | 常闭NC<br>G17-3C3NB       | 常闭NC<br>G18-2C5LB       | 常闭NC<br>G23-3C5NB       |
|                                                        | 继电器输出 Relay output     |                                                                                |                         |                         |                         |
| 输出电流DC/SCR/继电器 Control output                          |                        | DC:200mA, AC:300mA                                                             |                         |                         |                         |
| 消耗电流DC/AC Consumption current                          |                        | DC<15mA, AC:<10mA                                                              |                         |                         |                         |
| 响应时间DC/AC Response time                                |                        | Dc<2ms, AC<2ms                                                                 |                         |                         |                         |
| 指向角 Directional angle                                  |                        | 3° -10°                                                                        |                         |                         |                         |
| 检测物体 Detected object                                   |                        | 透明或不透明体 transparent or opaque body                                             |                         |                         |                         |
| 工作环境温度 Working environment temperature                 |                        | -25℃ ~+55℃                                                                     |                         |                         |                         |
| 工作环境照度Intensity of illumination of working environment |                        | 太阳光10000LX以下 Sunlight under 10000LX 白炽灯3000LX以下 incandescent lamp under 3000LX |                         |                         |                         |
| 外壳材料 Shell material                                    |                        | 塑料 Plastic                                                                     | 塑料 Plastic              | 塑料 Plastic              | 金属 Metal                |
| 防护等级 Protection grade                                  |                        | IP54                                                                           | IP54                    | IP54                    | IP54                    |

| 光电开关 Photoelectric switch |  | G24        | G30         | G33                                                                            | G35        | G36        |
|---------------------------|--|------------|-------------|--------------------------------------------------------------------------------|------------|------------|
|                           |  |            |             |                                                                                |            |            |
|                           |  |            |             |                                                                                |            |            |
|                           |  | 50cm       | 20-100cm    | 50cm                                                                           | 50cm       | 20cm       |
|                           |  | G24-3A50NA | G30-3A70NA  | G33-3A10NA                                                                     | G35-3A50NA | G36-3A20NA |
|                           |  | G24-3A50NB | G30-3A70NB  | G33-3A10NB                                                                     | G35-3A50NB | G36-3A20NB |
|                           |  | G24-3A50NC | G30-3A70NC  | G33-3A10NC                                                                     | G35-3A50NC | G36-3A20NC |
|                           |  | G24-3A50PA | G30-3A70PA  | G33-3A10PA                                                                     | G35-3A50PA | G36-3A20PA |
|                           |  | G24-3A50PB | G30-3A70PB  | G33-3A10PB                                                                     | G35-3A50PB | G36-3A20PB |
|                           |  | G24-3A50PC | G30-3A70PC  | G33-3A10PC                                                                     | G35-3A50PC | G36-3A20PC |
|                           |  |            | G30-2A70LA  |                                                                                | G35-2A50LA |            |
|                           |  |            | G30-2A70LB  |                                                                                | G35-2A50LB |            |
|                           |  |            | G30-2A70LC  |                                                                                | G35-2A50JC |            |
|                           |  | 4m         | 3m          | 1m                                                                             | 3m         | 2m         |
|                           |  | G24-3B4NA  | G30-3B3NA   | G33-3B1NA                                                                      | G35-3B3NA  | G36-3B2NA  |
|                           |  | G24-3B4NB  | G30-3B3NB   | G33-3B1NB                                                                      | G35-3B3NB  | G36-3B2NB  |
|                           |  | G24-3B4NC  | G30-3B3NC   | G33-3B1NC                                                                      | G35-3B3NC  | G36-3B2NC  |
|                           |  | G24-3B4PA  | G30-3B3PA   | G33-3B1PA                                                                      | G35-3B3PA  | G36-3B2PA  |
|                           |  | G24-3B4PB  | G30-3B3PB   | G33-3B1PB                                                                      | G35-3B3PB  | G36-3B2PB  |
|                           |  | G24-3B4PC  | G30-3B3PC   | G33-3B1PC                                                                      | G35-3B3PC  | G36-3B2PC  |
|                           |  |            | G30-2B3LA   |                                                                                | G35-2B3LA  |            |
|                           |  |            | G30-2B3LB   |                                                                                | G35-2B3LB  |            |
|                           |  |            | G30-2B3JC   |                                                                                | G35-2B3JC  |            |
|                           |  | 5m         | 10m         | 3m                                                                             | 5m         | 5m         |
|                           |  | G24-3C5NA  | G30-3C101NA | G33-3C3NA                                                                      | G35-3C5NA  | G36-3C5NA  |
|                           |  | G24-3C5NB  | G30-3C101NB | G33-3C3NB                                                                      | G35-3C5NB  | G36-3C5NB  |
|                           |  | G24-3C5NC  | G30-3C101NC | G33-3C3NC                                                                      | G35-3C5NC  | G36-3C5NC  |
|                           |  | G24-3C5PA  | G30-3C101PA | G33-3C3PA                                                                      | G35-3C5PA  | G36-3C5PA  |
|                           |  | G24-3C5PB  | G30-3C101PB | G33-3C3PB                                                                      | G35-3C5PB  | G36-3C5PB  |
|                           |  | G24-3C5PC  | G30-3C101PC | G33-3C3PC                                                                      | G35-3C5PC  | G36-3C5PC  |
|                           |  |            | G30-2C101LA |                                                                                | G35-2C5LA  |            |
|                           |  |            | G30-2C101LB |                                                                                | G35-2C5LB  |            |
|                           |  |            | G30-2C101JC |                                                                                | G35-2C5JC  |            |
|                           |  |            |             | DC:200mA, AC:300mA                                                             |            |            |
|                           |  |            |             | DC<15mA, AC:<10mA                                                              |            |            |
|                           |  |            |             | Dc<2ms, AC<20ms                                                                |            |            |
|                           |  |            |             | 3° -10°                                                                        |            |            |
|                           |  |            |             | 透明或不透明体 transparent or opaque body                                             |            |            |
|                           |  |            |             | -25℃ ~+55℃                                                                     |            |            |
|                           |  |            |             | 太阳光10000LX以下 Sunlight under 10000LX 白炽灯3000LX以下 incandescent lamp under 3000LX |            |            |
|                           |  | 塑料 Plastic | 塑料 Plastic  | 塑料 Plastic                                                                     | 金属 Metal   | 金属 Metal   |
|                           |  |            | IP66        | IP54                                                                           | IP54       | IP54       |