

## Metal cylindrical shape photoelectric sensors **PR30** series



### Features

- ◆ Diffuse reflection working principle;
- ◆ Excellent anti-interference performance
- ◆ High detection accuracy



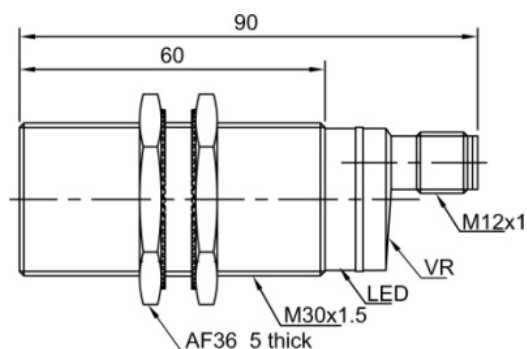
### Part number

|               |                 |                  |               |                 |                  |
|---------------|-----------------|------------------|---------------|-----------------|------------------|
| AC 2 wires NO | PR30-BC50ATO-E2 | PR30-BC100ATO-E2 | AC 2 wires NC | PR30-BC50ATC-E2 | PR30-BC100ATC-E2 |
|---------------|-----------------|------------------|---------------|-----------------|------------------|

### Technical specifications

|                         |                                       |                       |                           |
|-------------------------|---------------------------------------|-----------------------|---------------------------|
| Detection type          | Diffuse reflection                    | Consumption current   | ≤3mA                      |
| Rated distance [Sn]     | 50cm (adjustable); 100cm (adjustable) | Circuit protection    | .....                     |
| Standard target         | White card reflection rate 90%        | Response time         | <50ms                     |
| Light source            | Infrared LED (880nm)                  | Output indicator      | Yellow LED                |
| Dimensions              | M30*90mm                              | Ambient temperature   | -15℃...+55℃               |
| Output                  | NO/NC (depends on part No.)           | Ambient humidity      | 35-85%RH (non-condensing) |
| Supply voltage          | 20...250 VAC                          | Voltage withstand     | 2000V/AC 50/60Hz 60s      |
| Target                  | Opaque object                         | Insulation resistance | ≥50MΩ(500VDC)             |
| Hysteresis range [%/Sr] | 3...20%                               | Vibration resistance  | 10...50Hz (0.5mm)         |
| Repeat accuracy [R]     | ≤5%                                   | Degree of protection  | IP67                      |
| Load current            | ≤300mA                                | Housing material      | Nickel-copper alloy       |
| Residual voltage        | ≤10V                                  | Connection type       | M12 Connector             |

### Dimensions



### Wiring diagram

