

Plastic cylindrical shape photoelectric sensors **PR30S** series


Features

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



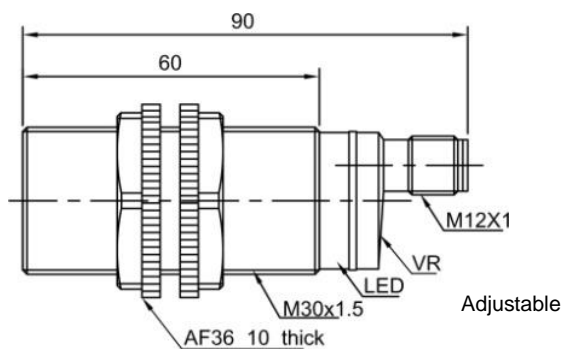
Part number

| | |
|--|--|
| AC 2 wires NO PR30S-BC50ATO-E2 PR30S-BC100ATO-E2 | AC 2 wires NC PR30S-BC50ATC-E2 PR30S-BC100ATC-E2 |
|--|--|

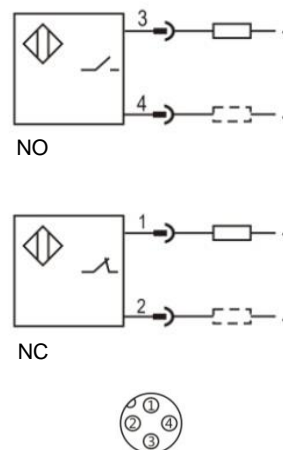
Technical specifications

| | | | |
|-------------------------|-------------------------------------|-----------------------|---------------------------|
| 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°C...+55°C |
| Output | NO/NC (depends on receiver) | 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 | PBT |
| Residual voltage | ≤10V | Connection type | M12 Connector |

Dimensions



Wiring diagram



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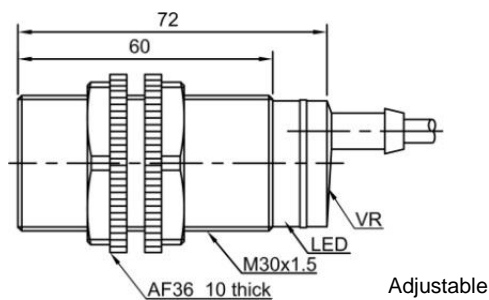
Part number

| | | | | | |
|---------------|---------------|----------------|---------------|---------------|----------------|
| AC 2 wires NO | PR30S-BC50ATO | PR30S-BC100ATO | AC 2 wires NC | PR30S-BC50ATC | PR30S-BC100ATC |
|---------------|---------------|----------------|---------------|---------------|----------------|

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| Output | NO/NC (depends on receiver) | Ambient humidity | 35-85%RH (non-condensing) |
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| Repeat accuracy [R] | ≤5% | Degree of protection | IP67 |
| Load current | ≤300mA | Housing material | PBT |
| Residual voltage | ≤10V | Connection type | 2m PVC cable |

Dimensions



Wiring diagram

