

## Metal cylindrical shape photoelectric sensors **PR18** series



### Features

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



### Part number

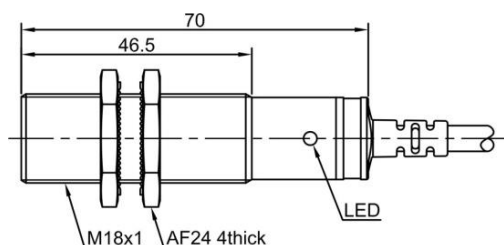
AC 2 wires NO PR18-DM3ATO

AC 2 wires NC PR18-DM3ATC

### Technical specifications

|                         |                             |                       |                           |
|-------------------------|-----------------------------|-----------------------|---------------------------|
| Detection type          | Retro reflection            | Consumption current   | ≤3mA                      |
| Rated distance [Sn]     | 3m (non-adjustable)         | Circuit protection    | .....                     |
| Standard target         | TD-09 reflector             | Response time         | < 50ms                    |
| Light source            | Infrared LED (880nm)        | Output indicator      | Yellow LED                |
| Dimensions              | M18*70mm                    | Ambient temperature   | -15°C...+55°C             |
| 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] | .....                       | 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       | 2m PVC cable              |

### Dimensions



### Wiring diagram

