

## Metal cylindrical shape photoelectric sensors **PR18GS** series



### Features

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

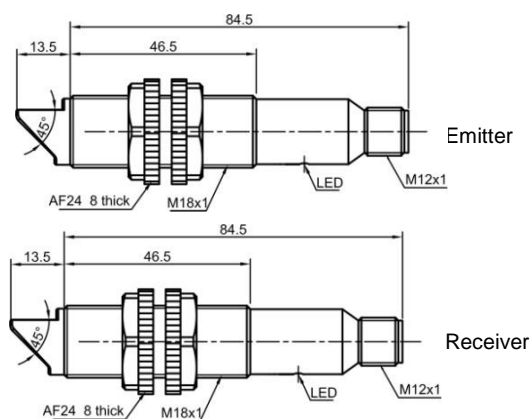
### Part number

| Emitter       |                 |                   | Receiver      |                 |                   |
|---------------|-----------------|-------------------|---------------|-----------------|-------------------|
| AC 2 wires NO | PR18GS-TM10A-E2 | PR18GS-TM10ATO-E2 | AC 2 wires NC | PR18GS-TM10A-E2 | PR18GS-TM10ATC-E2 |

### Technical specifications

|                         |                             |                       |   |
|-------------------------|-----------------------------|-----------------------|---|
| Detection type          | Through beam                | Consumption current   | ≤3mA (receiver)                         |
| Rated distance [Sn]     | 10m (non-adjustable)        | Circuit protection    | .....                                   |
| Standard target         | >φ15mm opaque object        | Response time         | < 50ms                                  |
| Light source            | Infrared LED (880nm)        | Output indicator      | Emitter: Green LED Receiver: Yellow LED |
| Dimensions              | M18*98mm                    | 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                    |
| Min target              | .....                       | Insulation resistance | ≥50MΩ(500VDC)                           |
| Hysteresis range [%/Sr] | .....                       | Vibration resistance  | 10...50Hz (0.5mm)                       |
| Repeat accuracy [R]     | ≤5%                         | Degree of protection  | IP65                                    |
| Load current            | ≤300mA (receiver)           | Housing material      | PBT                                     |
| Residual voltage        | ≤10V (receiver)             | Connection type       | M12 Connector                           |

### Dimensions



### Wiring diagram

