

# PZ-G61CP

Square retro-reflective M8 Connector Type, PNP

*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

## Specifications

| | | |
|---|---|---|
| Model | | PZ-G61CP |
| Type | | Retro-reflective, Long-range (with P.R.O. function)*1 |
| Shape | | Rectangular |
| Output | | PNP |
| Cable connection | | M8 connector *2 |
| Detecting distance | | 0.1 to 4.2 m<br>0.3' to 13.8'<br>(When R-2L<br>reflector<br>is used) |
| Spot diameter | | — |
| Light source | | Red LED |
| Sensitivity adjustment | | 1-turn trimmer (230°) |
| Response time | | 500 µs |
| Operation mode | | LIGHT-ON/DARK-ON (switch-selectable) |
| Indicators (LED) | | Output: Orange LED,<br>Stable operation: Green LED |
| Control output | | Open collector output, 30 V max., 100 mA max., Residual voltage: 1 V max. |
| Protection circuit | | Reversed polarity, overcurrent protection, surge absorber |
| Interference suppression | | Up to 2 units<br>(with the automatic different frequency function) |
| Tightening torque | | Rectangular models (Mounting hole part): 0.5 N m max. |
| Rating | Power voltage | 10 to 30 VDC, including Ripple (P-P) 10 % |
| | Current consumption | 34 mA or less |
| Environmental resistance | Enclosure rating | IEC: IP67/NEMA: 4A, 6, 12/DIN: IP69K |
| | Ambient light | Incandescent lamp: 5,000 lux max., Sunlight: 20,000 lux max. |
| | Ambient temperature | -20 to +55 °C -4 to 131 °F (No freezing) |
| | Relative humidity | 35 to 85 % RH (No condensation) |
| | Vibration resistance | 10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions |
| | Shock resistance | 1,000 m/s², 6 times in each of the X, Y, and Z directions |
| Material | Housing, M18 nut<br>(threaded models only) | Glass-fiber reinforced PBT |
| | Lens cover | Acrylic<br>(PMMA) |
| | Trimmer | Glass-fiber reinforced polyamide (PA) |
| | Case connection | Screw: Nickel-plated iron and zinc, packing: nitrile butadiene rubber (NBR) |
| | Cable (cable models only) | Polyvinyl chloride (PVC) |

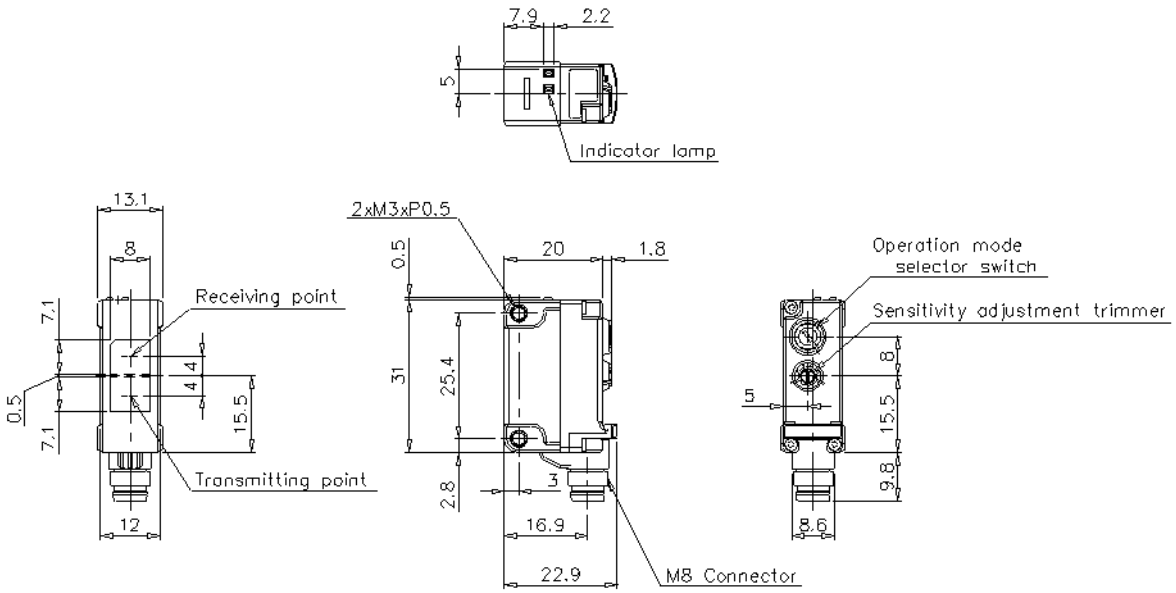
| | | |
|---|---|---|
| | Connector (connector type with cable only) | — |
| Accessories | | Instruction manual |
| Weight | | Rectangular connector models: Approx. 10 g |

*1 Cable sold separately for connector models/pigtail quick disconnect models. Reflector sold separately for retro-reflective models.
*2 Cable sold separately for connector models

# Dimensions

* Download CAD file or product manual for larger image/text and more detail.

PZ-G61CN/G61CP/G62CN/G62CP




Pin arrangement



| | |
|---|---|
| ① | +V |
| ② | – |
| ③ | 0V |
| ④ | OUT |

# I/O Circuit Connection diagram

* Download CAD file or product manual for larger image/text and more detail.

## PNP output
## (thrubeam receiver, reflective, retro-reflective)

