



# PZ-M63

Square retro-reflective M12 Connector Type, NPN



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

## Specifications

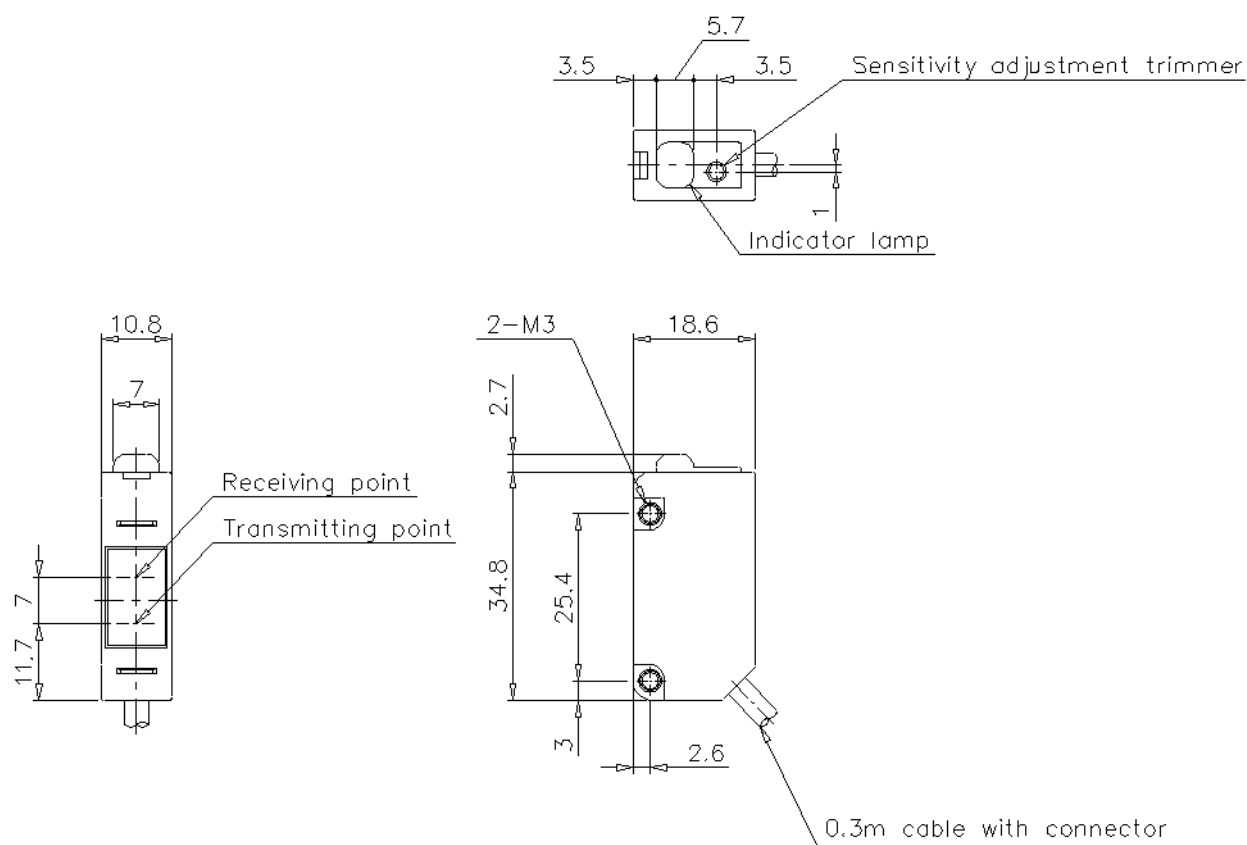
|                          |                      |                                                                                                   |
|--------------------------|----------------------|---------------------------------------------------------------------------------------------------|
| Model                    |                      | PZ-M63                                                                                            |
| Type                     |                      | Retro-reflective model (with P.R.O function; M12 connector cable type)                            |
| Output                   |                      | NPN                                                                                               |
| Detecting distance       |                      | 0.1 to 1.5 m*1 (when reflector R-5 is used)*2                                                     |
| Setting distance         |                      | —                                                                                                 |
| Light source.            |                      | Red LED                                                                                           |
| Sensitivity adjustment   |                      | 1-turn trimmer (230°)                                                                             |
| Response time            |                      | 1 ms max.                                                                                         |
| Operation mode           |                      | LIGHT-ON/DARK-ON (switch-selectable)                                                              |
| Indicator lamp           |                      | Output: orange LED, stable operation: green LED                                                   |
| Control output           |                      | 100 mA (40 V) max.Residual voltage: 1 V max.                                                      |
| Digital monitor          |                      | —                                                                                                 |
| Protection circuit       |                      | Reversed polarity, overcurrent protection, surge absorber                                         |
| Rating                   | Power voltage        | 12 to 24 VDC ±10 %, Ripple (P-P) 10 % or less                                                     |
|                          | Power consumption    | 34 mA max.                                                                                        |
| Environmental resistance | Enclosure rating     | IP67                                                                                              |
|                          | Ambient light        | Incandescent lamp: 5,000 lux max., Sunlight: 20,000 lux max.                                      |
|                          | Ambient temperature  | -20 to +55 °C <b>-4 to 131 °F</b> (No freezing)                                                   |
|                          | Relative humidity    | 35 to 85 % RH (No condensation)                                                                   |
|                          | Vibration resistance | 10 to 55 Hz, Double amplitude 1.5 mm <b>0.06"</b> , 2 hours in each of the X, Y, and Z directions |
|                          | Shock resistance     | 1,000 m/s <sup>2</sup> , 6 times in each of the X, Y, and Z directions                            |
| Case material            |                      | Glass-fiber reinforced plastic                                                                    |
| Weight                   |                      | Approx. 25 g                                                                                      |

\*1 1 reflector R-5 is included with the PZ-M61.  
\*2 The detecting distance is obtained with the maximum sensitivity.

## Dimensions

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

PZ-M63



### Detail of cable + connector

