


# Data sheet

|                                  |   |
|----------------------------------|---|
| Sensing type                     | Diffuse reflective type   |
| Sensing distance                 | 100mm   |
| Sensing target                   | Opaque, Translucent material  |
| Light source                     | Infrared LED(940nm)   |
| Response time                    | Max. 1ms  |
| Power supply                     | 12-24VDC $\pm$ 10%(ripple P-P: max. 10%)  |
| Current consumption              | Max. 45mA   |
| Sensitivity adjustment           | Sensitivity adjuster  |
| Operation mode                   | Light ON/Dark ON(set by control wire)   |
| Control output                   | NPN open collector  |
| Connection type                  | Connector type(M12)   |
| Environment_Ambient illumination | Sunlight: Max. 11,000lx, Incandescent lamp: Max. 3,000lx (received illumination)    |
| Environment_Ambient temperature  | -10 to 60°C, storage: -25 to 75°C   |
| Protection structure             | IP66  |
| Approval                         |  |
| Environment_Ambient humidity     | 35 to 85% RH, storage: 35 to 85% RH   |
| Hysteresis(distance)             | Max. 20% at rated sensing distance  |
| Material                         | Case - Brass, Ni-plate<br>Sensing part - Polycarbonate lens                         |
| Accessories_Individual           | Adjuster driver   |
| Accessories_Common               | fixing nuts, Washer   |
| Weight                           | Approx. 90g(approx. 50g)  |

※Non-glossy white paper 50×50mm.

※The weight includes packaging. The weight in parenthesis is for unit only.

※Tightening torque for connector is 0.39 to 0.49N.m.

※The temperature or humidity mentioned in Environment indicates a non freezing or condensation.