


Data sheet

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| Sensing type | Through-beam type |
| Sensing distance | 20m |
| Sensing target | Opaque material of min. Ø15mm |
| Light source | Infrared LED(850nm) |
| Response time | Max. 1ms |
| Power supply | 12-24VDC $\pm 10\%$ (ripple P-P: max. 10%) |
| Current consumption | Emitter/Receiver: Max. 45mA |
| Sensitivity adjustment | Fixed |
| Operation mode | Dark ON |
| 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 | IP67 |
| Approval |  |
| Environment_Ambient humidity | 35 to 85% RH, storage: 35 to 85% RH |
| Material | Case - Brass, Ni-plate Sensing part - Polycarbonate lens |
| Accessories_Common | fixing nuts, Washer |
| Weight | Approx.150g(approx.110g) |

※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.