

# Data sheet

Sensing type	Diffuse reflective type
Sensing distance	100mm
Sensing target	Opaque, Translucent material
Light source	Infrared LED(850nm)
Response time	Max. 1ms
Power voltage	12-24VDC $\pm$ 10%(ripple P-P: max. 10%)
Current consumption	Max. 30mA
Sensitivity adjustment	Sensitivity adjuster
Operation mode	Light ON/Dark ON(set by switch)
Control output	NPN open collector
Connection type	Cable type(Ø3.5, 2m)
Environment_Ambient illumination	Sunlight: Max. 11,000lx, Incandescent lamp: Max. 3,000lx (received illumination)
Environment_Ambient temperature	-25 to 55°C, storage: -40 to 70°C
Protection structure	IP65
Environment_Ambient humidity	35 to 85% RH, storage: 35 to 85% RH
Hysteresis(distance)	Max. 20% of sensing distance
Material	Case: Polycarbonate+Acrylonitrile butadiene styrene, LED Cap: Polycarbonate, Sensing part: Polymethyl methacrylate, Bracket: SUS304(steel use stainless 304), Bolt: Steel chromium molybdenum, Nut: Steel chromium molybdenum, Sleeve: Brass, Ni-plate
Accessories_Common	Fixing bracket, M3 Bolts: 2, M3 Nuts: 2, Adjuster driver
Weight	Approx. 70g (approx. 45g)

※Non-glossy white paper 100×100mm.  
※M8 connector cable is sold separately. (cable - AWG22, Core diameter: 0.08mm, Number of cores: 60, Insulator out diameter: Ø1.25mm)  
※The temperature or humidity mentioned in Environment indicates a non freezing or condensation.  
※The weight includes packaging. The weight in parenthesis is for unit only.