

# Data sheet

Sensing type	Diffuse reflective type
Sensing distance	300mm
Sensing target	Opaque, Translucent material
Light source	Red LED(660nm)
Response time	Max. 1ms
Power voltage	10-30VDC $\pm$ 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	Ø4mm, 3-wire, 2m (emitter of through-beam type: Ø4mm, 2-wire, 2m) (AWG26, core diameter: 0.52mm, number of cores: 20, insulator out diameter: Ø1mm)
Environment_Ambient illumination	Sunlight: Max. 11,000lx, Incandescent lamp: Max. 3,000lx (received illumination)
Environment_Ambient temperature	-25 to 60°C, storage: -40 to 70°C
Protection structure	IP65(IEC standard)
Environment_Ambient humidity	35 to 85% RH, storage: 35 to 85% RH
Hysteresis(distance)	Max. 20% of sensing distance
Material	· Case: polycarbonate · LED CAP: polycarbonate · Lens, Lens cover: polymethyl methacrylate
Accessories_Common	Mounting bracket, M3 bolt: 2, adjustment screwdriver
Weight	Approx. 100g(approx. 50g)

※Non-glossy white paper 100×100mm.  
※UL approved surrounding air temperature 40°C  
※M8 connector cable is sold separately.(AWG22, core diameter: 0.08mm, number of cores: 60, insulator out diameter: Ø1.25mm)  
※Accessory: Cable type includes bracket A and connector type includes bracket B.  
※The weight includes packaging. The weight in parenthesis is for unit only.  
※The temperature or humidity mentioned in Environment indicates a non freezing or condensation.