Data sheet

Sensing type	BGS reflective type
Sensing distance	10 to 50mm
Sensing target	Opaque, Translucent material
Light source	Red LED(660nm)
Response time	Max. 1.5ms
Power supply	12-24VDC ⎓ ±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℃, storage: -40 to 70℃
Protection structure	IP65
Environment_Ambient humidity	35 to 85% RH, storage: 35 to 85% RH
Hysteresis(distance)	Max. 10% of sensing distance
Min. diameter of transmitting spot	Approx. Ø4.5mm
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	Fixing bracket, M3 Bolts: 2, M3 Nuts: 2, Adjuster driver
Weight	Approx. 50g

※In case of BGS sensing type, black/white difference is max. 10% of sensing distance and sensitivity adjustment range is -10% of max. sensing distance (based on non-glossy white paper).

※Non-glossy white paper 50×50mm.

※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.