

Data sheet

Sensing type	Retroreflective type(built-in polarizing filter)
Sensing distance	3m(MS-2A)
Sensing target	Opaque material of min. \varnothing 75mm
Light source	Red LED(660nm)
Response time	Max. 1ms
Power supply	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(\varnothing 3.5, 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
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
Accessories_Individual	Reflector(MS-2A)
Weight	Approx. 85g (approx. 60g)

※The sensing distance is extended from 0.1 to 4m or 0.1 to 5m when using optional reflector MS-25 or MS-35.

When using reflective tapes, the reflectivity will vary by the size of the tape. Please refer to the "Reflectivity By Reflective Tape Model" table before using the tapes.

※M8 connector cable is sold separately. (Cable - AWG22, Core diameter: 0.08mm, Number of cores: 60, Insulator out diameter: \varnothing 1.25mm)

※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.