

Data sheet

Sensing type	Through-beam type
Sensing distance	1m
Sensing target	Opaque material of min. Ø2mm
Light source	Red LED(650nm)
Response time	Max. 1ms
Power supply	12-24VDC  ±10%(ripple P-P: max. 10%)
Current consumption	Emitter/Receiver: Max. 20mA
Operation mode	Light ON
Control output	PNP open collector
Connection type	Cable type(Ø2.5, 2m)
Environment_Ambient illumination	Sunlight: Max. 10,000lx, Incandescent lamp: Max. 3,000lx (received illumination)
Environment_Ambient temperature	-20 to 55°C, storage: -30 to 70°C
Protection structure	IP67
Environment_Ambient humidity	35 to 85% RH, storage: 35 to 85% RH
Material	Case: Polybutylene terephthalate, Sensing part: Polymethyl methacrylate, Bracket: Stainless steel 304, Bolt: Carbon steel wire for cold heading(SWCH10A)
Weight	Approx. 65g(approx. 40g)

※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.

※Sold separately: Slit (BTS1M-ST: Ø1)