


Photoelectric Sensors

Series	Sensing Type	Sensing Distance	Sensing Target	Light Source	Response Time	Power Supply	Current Consumption	Sensitivity Adjustment	Operation Mode
Threaded/Side Mounting Photoelectric Sensor BH Series <Through-beam type>  Through-beam type/ Retroreflective type/ Diffuse reflective type: W14×H34.5×L28mm	Through-beam type	20mm	Opaque material of min. Ø20mm	Red LED (660nm)	Max. 1ms	12-24VDC	Emitter/Receiver : Max. 20mA	VR	Light ON/Dark ON (set by switch)
	Retroreflective type (built-in polarizing filter)	4m (MS-2A)	Opaque material of min. Ø75mm	Red LED (660nm)	Max. 1ms	12-24VDC	Max. 30mA	VR	Light ON/Dark ON (set by switch)
	Diffuse reflective type	1m	—	Infrared LED (850nm)	Max. 1ms	12-24VDC	Max. 35mA	VR	Light ON/Dark ON (set by switch)
		300mm	—	Red LED (660nm)	Max. 1ms	12-24VDC	Max. 30mA	VR	Light ON/Dark ON (set by switch)

Control Output	Timer Function	Connection	Environment		Protection Structure	Approval	Model
			Ambient Illumination	Ambient Temperature			
NPN, PNP open collector simultaneous output	—	Cable type (Ø4, 2.1m)	Sunlight : Max. 11,000lx, Incandescent lamp : Max. 3,000lx (received illumination)	-25~55°C	IP67	CE UL LISTED	BH20M-TDT
NPN, PNP open collector simultaneous output	—	Cable type (Ø4, 2.1m)	Sunlight : Max. 11,000lx, Incandescent lamp : Max. 3,000lx (received illumination)	-25~55°C	IP67	CE UL LISTED	BH4M-PDT
NPN, PNP open collector simultaneous output	—	Cable type (Ø4, 2.1m)	Sunlight : Max. 11,000lx, Incandescent lamp : Max. 3,000lx (received illumination)	-25~55°C	IP67	CE UL LISTED	BH1M-DDT
NPN, PNP open collector simultaneous output	—	Cable type (Ø4, 2.1m)	Sunlight : Max. 11,000lx, Incandescent lamp : Max. 3,000lx (received illumination)	-25~55°C	IP67	CE UL LISTED	BH300-DDT