Plastic square photoelectric sensor PSE-GC series

Feature description

● Universal housing, an ideal substitute for sensors of various styles
● Comply with IP67, suitable for harsh environment
● Sensitivity one-key setting, accurate and fast setting
●Stable detection of various transparent bottles and various transparent films
● Normally open and normally closed switchable
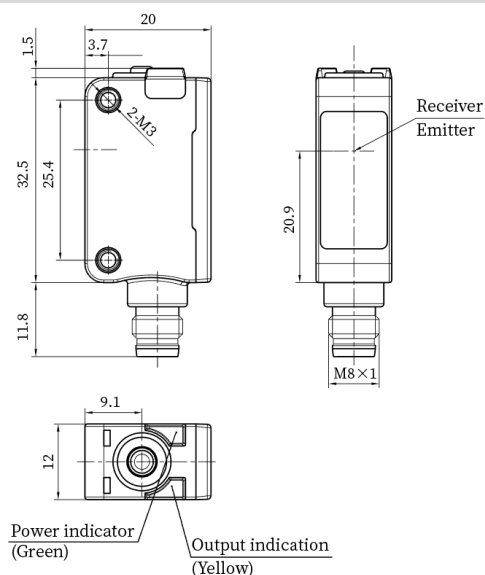● Coaxial optical principle, no blind zone

CE

Model specification

NPN NO/NC	PSE-GC50DNBB-E3	PNP NO/NC	PSE-GC50DPBB-E3

Specifications

Detection distance	50cm	Operating temperature	- 25...55 ºC(No condensation, no icing)
Light spot size	≤14mm@0.5m	Vibration resistance	10...55Hz,Double amplitude 0.5mm(2.5hrs
Supply voltage	10...30VDC(Ripple P-P: < 10%)		each for X、Y、Z direction)
Consumption current	< 25mA	Impulse withsand	500m/s²,3 times each for X、Y、Z direction
Load current	200mA	High pressure resistant	1000V/AC 50/60Hz 60s
Voltage drop	≤1.5V	Protection degree	IP67
Light source	Blue light(460nm)	Certification	CE
Protection circuit	Short circuit protection、Polarity protection、Overload protection	Housing material	PC+ABS
Indicator	Green:Power indicator	Lens	PMMA
	Yellow:Output indication、Overload indication	Weight	10g
Response time	< 0.5ms	Connection type	M8 Connector
Anti ambient light	Sunshine ≤10,000Lux;Incandescent≤3,000Lux	Accessories	Mounting Bracket:ZJP-8、Operation manual、TD-08 Reflector
Storage temperature	- 30...70 ºC		
NO/NC adjustment	Press the button for 5...8s, when the yellow and green light flash synchronously at 2Hz, finish the state switching.		
Distance adjustment	The product is facing the reflector,press the button for 2...5s,when the yellow and green light flash synchronously at 4Hz, and lift to finish the distance		
	setting.If the yellow and green light flash asynchronously at 8Hz, setting fails and the product distance goes to the maximum.		

Dimension

Receiver
Emitter

Power indicator
(Green)

Output indication
(Yellow)

Wiring diagram

NPN

PNP

Sensoren
промышленные датчики