



PSV-BC & SR Miniature Photo Sensor



Model specification			
NPN NO	PSV-BC10DNOR	PNP NO	PSV-BC10DPOR
NPN NC	PSV-BC10DNCR	PNP NC	PSV-BC10DPCR

Specifications			
Detection distance	10cm ^①	Response time	<1ms
Dead zone	<5mm	Anti ambient light	Sunlight interference $\leq 10,000$ lux
Standard test body	50*50mm white cards		Incandescent light interference $\leq 3,000$ lux
Light spot size	15mm@10cm	Operating temperature	-20...55 °C
Hysteresis	3...20%	Storage temperature	-30...70 °C
Supply voltage	10...30V DC	Protection degree	IP65
Consumption current	≤ 15 mA	Certification	CE
Load current	≤ 50 mA	Shell material	PC+PBT
Voltage drop	<1.5V	Lens	PC
Light source	Red light(640nm)	Weight	22g
Protection circuit	Short circuit protection,Polarity protection	Connection	2m PVC cable
	Overload protection,Zener protection	Accessory	Screws(M2×8mm)×2, Nut×2
Indicator	Green:power,stable indicator;Yellow:output indicator		

①Use 50*50mm white card with reflectivity greater than 90%

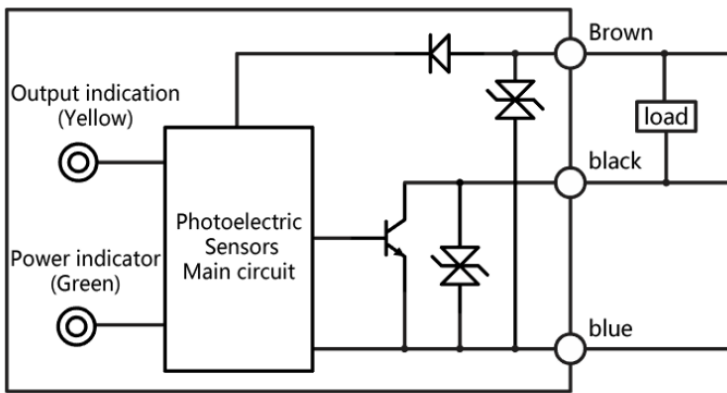
Model specification

NPN NO	PSV-SR25DNOR	PNP NO	PSV-SR25DPOR
NPN NC	PSV-SR25DNCR	PNP NC	PSV-SR25DPCR

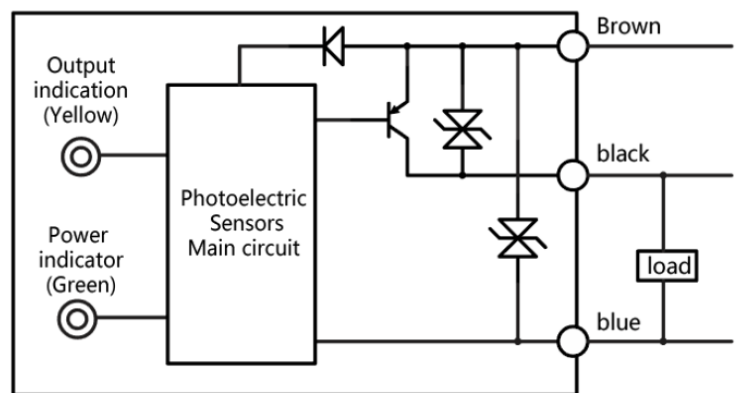
Specifications

Detection distance	25mm ^①	Response time	T-on:<1ms;T-off:<1ms
Dead zone	<2mm	Anti ambient light	Sunlight interference ≤10,000 lux
Standard test body	0.1mm Copper wire(at the detection distance of 10mm)		Incandescent light interference ≤3,000 lux
Hysteresis	< 20%	Operating temperature	-20...55 °C
Supply voltage	10...30V DC	Storage temperature	-30...70 °C
Consumption current	≤15mA	Protection degree	IP65
Load current	≤50mA	Certification	CE
Voltage drop	<1.5V	Shell material	PC+PBT
Light source	Red light(640nm)	Lens	PC
Protection circuit	Short circuit protection,Polarity protection	Weight	22g
	Overload protection,Zener protection	Connection	2m PVC cable
Indicator	Green:power,stable indicator;Yellow:output indicator	Accessory	Screws(M2×8mm)×2, Nut×2

①Measured by 50*50mm white card with reflectance greater than 90%, the following figure is the distance distribution diagram of product sampling



NPN



PNP

