

Plastic square shape photoelectric sensors **PSC** series


## Features

- ◆ Diffuse reflection working principle;
- ◆ Excellent anti-interference performance
- ◆ High detection accuracy

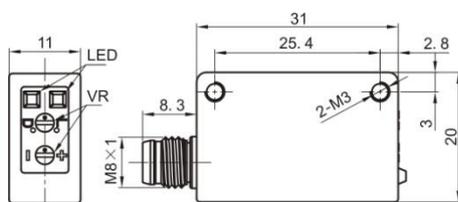
## Part number

NPN NO/NC	PSC-BC30TNBR-E1	PSC-BC100TNB-E1	PNP NO/NC	PSC-BC30TPBR-E1	PSC-BC100TPB-E1
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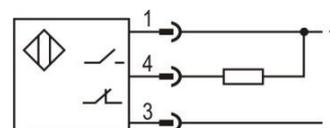
## Technical specifications

Detection type	Diffuse reflection	Consumption current	≤15mA
Rated distance [Sn]	30cm(adjustable) 100cm (adjustable)	Circuit protection	Short-circuit, overload and reverse polarity
Standard target	White card reflection rate 90%	Response time	< 2ms
Light source	Red LED(650nm) Infrared LED (850nm)	Output indicator	Power: Green LED Output: Yellow LED
Dimensions	31 mm *20 mm *11mm	Ambient temperature	-25°C...+55°C
Output	NO/NC (select by L/D potentiometer)	Ambient humidity	35-85%RH (non-condensing)
Supply voltage	12...24 VDC	Voltage withstand	1000V/AC 50/60Hz 60s
Target	Opaque object	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	3...20%	Vibration resistance	10...50Hz (0.5mm)
Repeat accuracy [R]	≤5%	Degree of protection	IP67
Load current	≤100mA	Housing material	PC/ABS
Residual voltage	≤2.5V	Connection type	M8 Connector

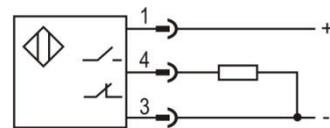
## Dimensions



## Wiring diagram



NPN NO/NC



PNP NO/NC

