

PLASTIC RECTANGLE PHOTOELECTRIC SENSOR **PSL** SERIES (DIFFUSE REFLECTION)

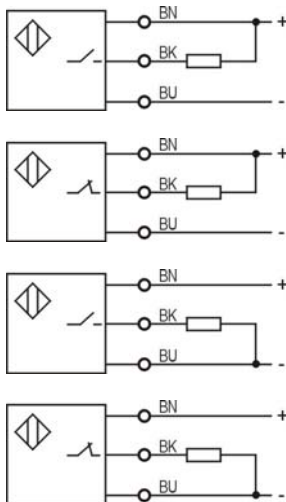
Photo



Feature Description

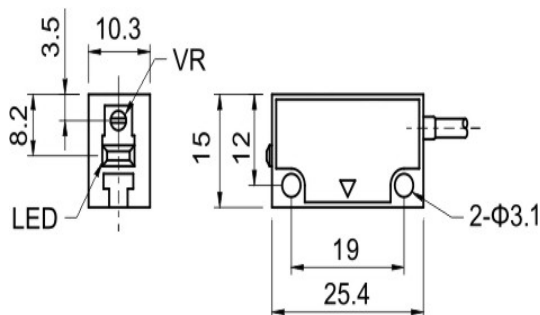
- ◆ Easy to install at a narrow space with small size
- ◆ Surge and reverse polarity protection
- ◆ Housing material: ABS/PC
- ◆ Protection degree: IP67(IEC)

Connection diagram



Note:
Customize for cable length.

Dimension drawing



Item Code

NPN	NO	PSL-BC30DNO
NPN	NC	PSL-BC30DNC
NPN	NO+NC	—
PNP	NO	PSL-BC30DPO
PNP	NC	PSL-BC30DPC
PNP	NO+NC	—

Specification

Housing size [mm]	25.4*15*10.3
Mode	Diffuse reflection
SN [mm]	30cm (adjuster)
Light source	Infrared LED (modulated)
Output	NPN/PNP NO/NC
Power supply	12...24 VDC
Sensing object	Translucent, opaque material
Response time	Max. 3ms
Hysteresis [%/Sr]	3...20%
Repeat accuracy	≤3%
Load current [mA]	≤100mA
Residual voltage	≤2.5VDC
Consumption current [mA]	≤30mA
Protection circuit	Surge and reverse polarity
Indicator	Yellow LED
Ambient temp.[°C]	-25...55°C
Ambient RH	35-85%RH
Dielectric strength	1000V/AC 50/60Hz 60s
Insulation resistance	≥50MΩ (500VDC)
Anti-vibration	1.5mm amplitude at 10 to 55Hz for 2hours each in x, y, z D-D
Protection degree	IP67
Housing material	ABS/PC
Connection	PVC Cable 2m