

PLASTIC RECTANGLE PHOTOELECTRIC SENSOR **PSF** SERIES (RETRO-REFLECTION)

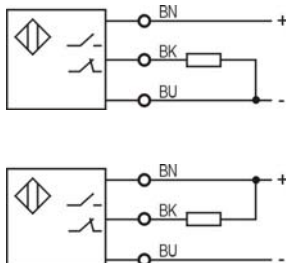
Photo



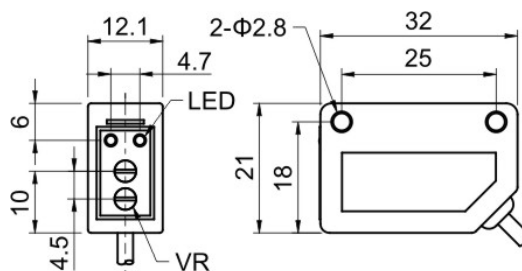
Feature Description

- ◆ Performance more steady due to specialized IC
- ◆ Surge and reverse polarity protection
- ◆ Housing material: ABS/PC
- ◆ Protection degree: IP67 (IEC)

Connection diagram



Dimension drawing



Item Code

NPN NO/NC PSF-DM2DNB

PNP NO/NC PSF-DM2DPB

Specification

Housing size [mm]	32*21*12.1
Mode	Retro-reflection
SN [mm]	2m (adjuster)
Light source	Infrared LED (modulated)
Output	NPN/PNP NO/NC
Power supply	10...30VDC
Sensing object	Opaque material >φ60mm
Response time	Max, 3ms
Hysteresis [%/Sr]	—
Repeat accuracy	≤3%
Load current [mA]	≤200mA
Residual voltage	≤2.5VDC
Consumption current [mA]	≤15mA
Protection circuit	Surge and reverse polarity protection
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