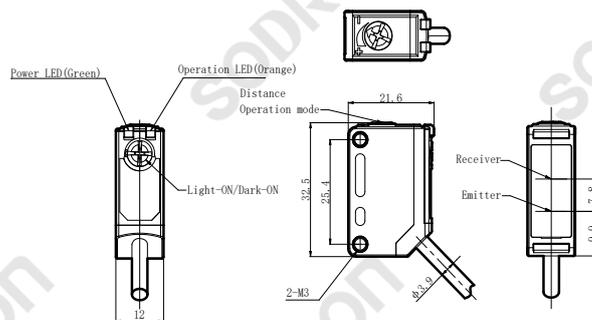




Dimension



CAD数据

Model

PF31V-B30BNSR-E
PF31V-B30BPSR-E

Technical parameters

Sensing method Adjustable Distance Reflective Type

Model	NPN	PF31V-B30BNSR-E
	PNP	PF31V-B30BPSR-E

Sensing distance 15 ~ 300mm

Product Features

- With background suppression function
- Red light, Large Spot

Standard target White paper 100*100mm

Reflectivity characteristic 15% of set distance max

Output mode Light ON/Dark ON adjustable

Light source Red LED 620nm

Connection

Supply power DC 12 ~ 24V ±10% impulse (P-P) < 10%

Residual Voltage 2V max (Load current ≤ 100mA)

Current consumption < 25mA

Load Current ≤ 100mA

Circuit protection Reverse connection protection, Short circuit protection

Response time < 1ms

Distance setting 5-turned endless adjuster

Indicator light Output: Orange LED Stable: Green LED

Connection Cable 2m

Ambient temperature Work: -25 ~ +55°C; Store: -30 ~ +70°C,
(No dew condensation or icing allowde)

Ambient humidity Work: 35 ~ 85%RH, Store: 35 ~ 95%RH,
(No dew condensation)

Ambient illumination Sunlight: 10,000Lx; Lamplight: 3,000Lx

Withstand Voltage 1000V AC, 50/60Hz, 1min, between
current-carrying parts and case

Insulation resistance > 20MΩ (DC 500V megger)
between current-carrying parts and case

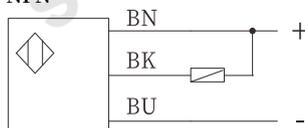
Anti-vibration 10~55HZ double-amplitude 1.5mm X, Y, Z 2H

Anti-impact 500m/S² X, Y, Z, directions for 3 times

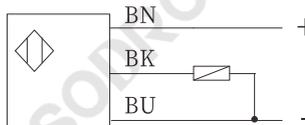
Protection degree IEC IP65

Material	Housing	PBT
	Lens	PMMA

NPN



PNP



Product Spot Dimension Drawing

