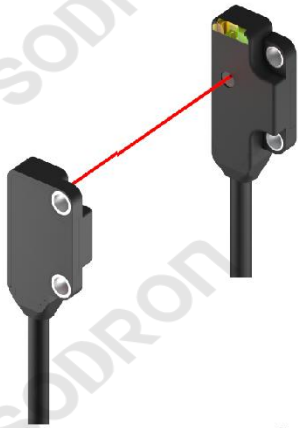
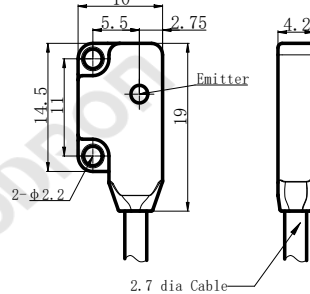
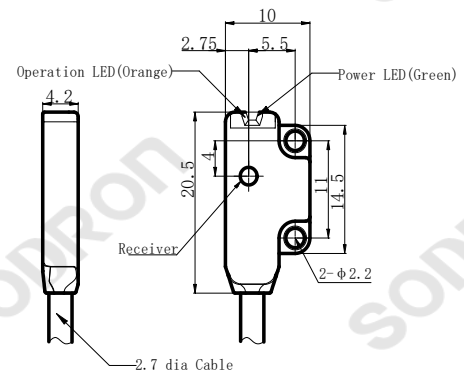


SODRON

CE

Dimension**Emitter****Receiver****Model**

PF10-T50BNOR(E)
 PF10-T50BNCR(E)
 PF10-T50BPOR(E)
 PF10-T50BPCR(E)

Technical parameters

Sensing method

Through beam

Model	NPN	PF10-T50BNOR(E)	PF10-T50BNCR(E)
	PNP	PF10-T50BPOR(E)	PF10-T50BPCR(E)

Sensing distance

50cm

Product Features

- Visible red light source for easy alignment.
- Compact size for mounting in limited spaces.
- IEC IP67

Standard target

> Φ2mm (Opaque object)

Output mode

Dark-ON

Light-ON

Light source

630nm Red LED

Supply power

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

Residual Voltage

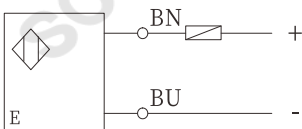
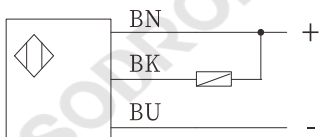
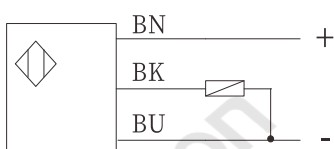
< 1V (Load Current: ≤50mA)

Current consumption

<15mA

Load Current

≤50mA

Connection**Transmitter****Receiver****NPN****PNP**

Circuit protection

Power reverse direction connection protection, short-circuit protection

Response time

<1ms

Indicator light

Output LED:Orange LED; Power/stable: Green LED

Connection

Cable 2m

Ambient temperature

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

Ambient humidity

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

Ambient illumination

Sunlight :10,000Lx, lamplight:3,000Lx

Withstand Voltage

1000 VAC, 50/60 Hz, 1 min.

Insulation resistance

> 20MΩ (DC500V megger) between current-carrying parts and case

Anti-vibration

10~55Hz double-amplitude 1.5mmX,Y,Z 2h

Anti-impact

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

Protection degree

IEC IP67

Material Housing

PBT

Lens

PC

Weight

Weight: Approx. 21 g per sensor unit (Tx/Rx); 45 g total packaged weight.