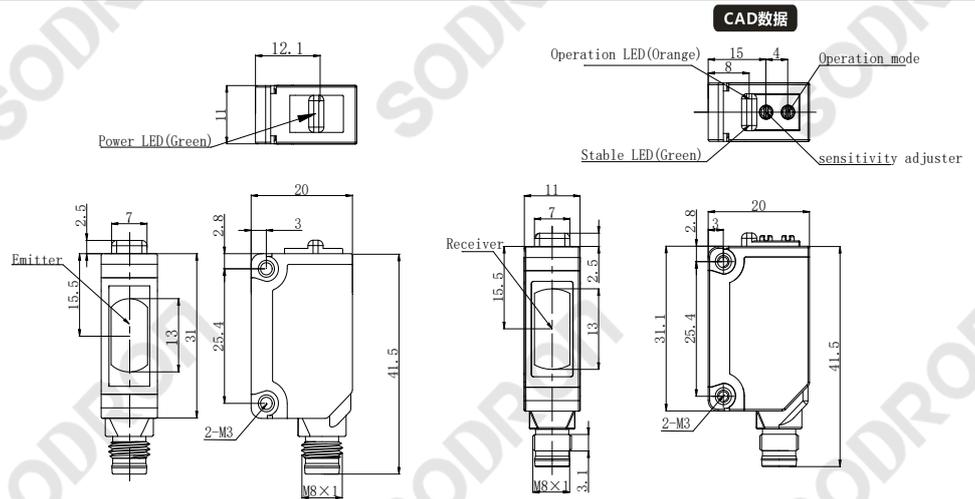




**Dimension**

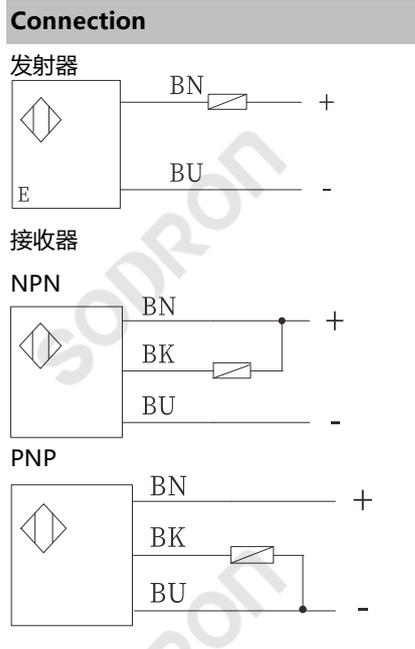


Model	PF31V-T10BNSR(E)-E1 PF31V-T10BPSR(E)-E1
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Technical parameters	
Sensing method	Through beam
Model	NPN PF31V-T10BNSR(E)-E1 PNP PF31V-T10BPSR(E)-E1
Sensing distance	10cm (Adjustable)
Standard target	> Φ15mm (Opaque object)
Output mode	Light ON/Dark ON (Adjustable)

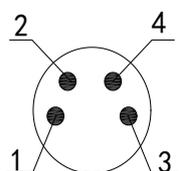
- Product Features**
- Through beam, 660nm Red LED
  - ASIC, Fast Response, High Frequency
  - IEC IP67

Light source	660nm Red LED
Supply power	DC 12 ~ 24V ±10% , impulse (P-P) < 10%
Directivity Angle	3~15°
Residual Voltage	< 2V (Load Current: ≤100mA)



Curent consumption	< 20mA
Load Current	≤100mA
Circuit protection	Power reverse indirection connection protection, short-circuit protection
Response time	< 1ms
Indicator light	Output LED: Orange LED、 Power/stable: Green LED
Connection	connector type (M8 4pin male) )
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	1000 VAC, 50/60 Hz, 1 min.
Insolution resistance	> 20MΩ (DC500V megger) between current-carrying parts and case
Anti-vibration	10~55HZ double-amplitude 1.5mmX,Y,Z 2H
Anti-impact	500m/S <sup>2</sup> X, Y,Z , directions for 3 times
Protection degree	IEC IP67
Housing	PBT
Lens	PMMA

**Terminal Number and Function Table**



Terminal No.	Technical parameters
1	+V
2	No connection
3	0V
4	output