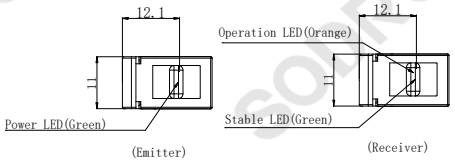
SODRON

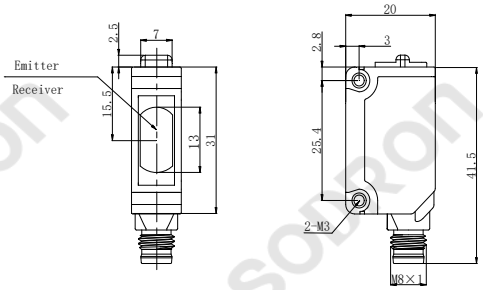
Photoelectric Sensors

CE

Dimension

CAD数据





Model

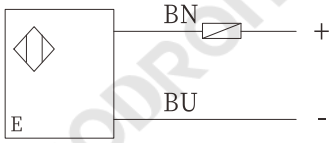
PF31-T10BNO(E)-E1
PF31-T10BNC(E)-E1
PF31-T10BPO(E)-E1
PF31-T10BPC(E)-E1

Product Features

- ●Through beam，850nm infrared light
- ●ASIC,Fast Response，High Frequency
- ● IEC IP67

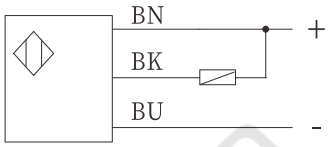
Connection

发射器

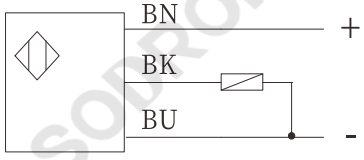


接收器

NPN



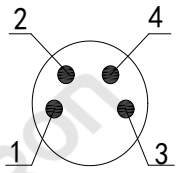
PNP



Terminal Number and Function Table

Technical parameters

Sensing method		Through beam	
Model	NPN	PF31-T10BNO(E)-E1	PF31-T10BNC(E)-E1
	PNP	PF31-T10BPO(E)-E1	PF31-T10BPC(E)-E1
Sensing distance		10m	
Standard target		> Φ15mm（Opaque object）	
Output mode		Dark ON	Light ON
Light souroe		850nm infrared light	
Supply power		DC 12～24V ±10%，impulse（P-P）<10%	
Directivity Angle		3~15°	
Residual Voltage		<2V (Load Current：≤100mA)	
Curent consumption		<15mA	
Load Current		≤100mA	
Circuit protection		Power reverse indirection connection protection, short-circut protection	
Response time		<0.5ms	
Indicator light		Output LED:Orange LED、Power/stable: Green LED	
Connection		connector type（M8 4pin male））	
Ambient temperature		Work:-25～+55℃; Store：-30～+70℃ ((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-carring 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	PMMA	



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