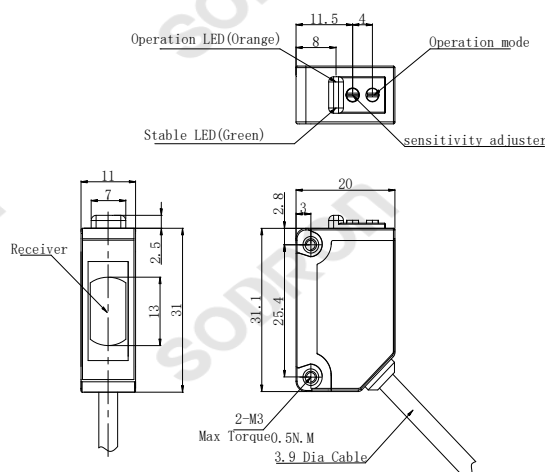
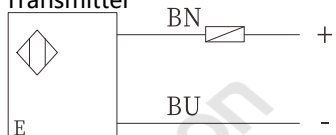
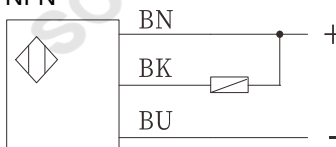
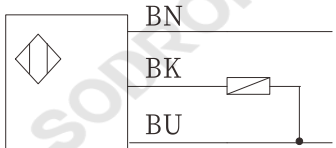




**Dimensions**



Model	Technical parameters	
PF31V-T10BNS PF31V-T10BPS	Detection method	Through beam
	Model	NPN PF31V-T10BNS PNP PF31V-T10BPS
<b>Product features</b> •Through beam, 850nm infrared light •ASIC, Fast response, High frequency • IEC IP67 <b>Connection</b> Transmitter  Receiver NPN  PNP 	Sensing distance	10m(Adjustable)
	Standard target	> Φ15mm (Opaque object)
	Output mode	Light ON/Dark ON (Adjustable)
	Light source	850nm infrared light
	Supply power	DC 12 ~ 24V ±10% , impulse (P-P) < 10%
	Directivity angle	3~15°
	Residual voltage	< 2V (Load Current: ≤100mA)
	Current 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	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	
Impact resistance	500m/s <sup>2</sup> X,Y,Z , directions for 3 times	
Protection degree	IEC IP67	
Material	Housing	PBT
	Lens	PMMA