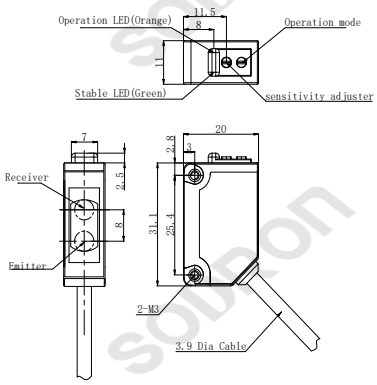
SODRON

Photoelectric Sensors

Dimension

CAD数据



Model

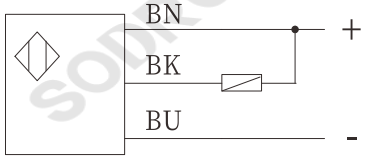
PF31V-R04BNSR
PF31V-R04BPSR

Product Features

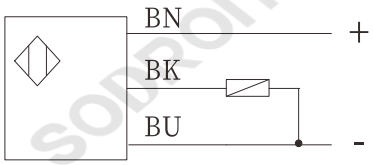
- Retro-reflective
- ASIC,Fast Response，High Frequency
- IEC IP67

Connection

NPN



PNP



Technical parameters

Sensing method		Retro-reflective
Model	NPN	PF31V-R04BNSR
	PNP	PF31V-R04BPSR
Sensing distance		4m (with a 40 x 60 mm reflector)
Standard target		> Φ75mm（Opaque object）
Output mode		Light ON/Dark ON （Adjustable）
Light souroe		620nm Red LED
Supply power		DC 12～24V ±10%， impulse（P-P）＜10%
Directivity Angle		2~10°
Residual Voltage		＜2V (Load Current：≤100mA)
Curent consumption		<12mA
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℃；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