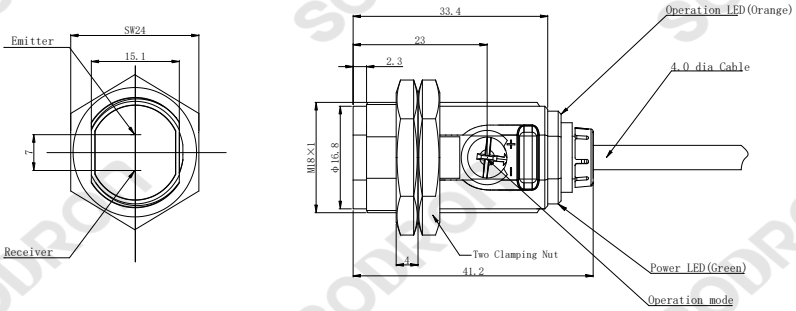
SODRON

Photoelectric Sensors

CE

Dimension



Model

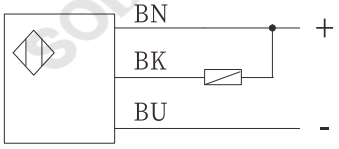
PM18V-D10BNOR
PM18V-D10BNCR
PM18V-D10BPOR
PM18V-D10BPCR

Product Features

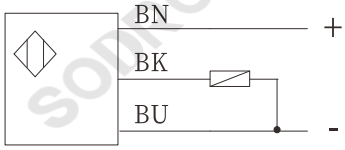
- ●Diffuse reflection
- ●Adjustable sensing distance
- ●IEC IP65

Connection

NPN



PNP



Technical parameters

Sensing method		Diffuse reflection	
Model	NPN	PM18V-D10BNOR	PM18V-D10BNCR
	PNP	PM18V-D10BPOR	PM18V-D10BPCR
Sensing distance		10cm（Adjustable）	
Standard target		White paper, 90% reflectance（100 mm × 100 mm）	
Output mode		Light-ON	Dark-ON
Light source		630nm Red LED	
Supply power		DC 12～24V ±10%，impulse（P-P）＜10%	
Residual voltage		＜2V (Load Current：≤100mA)	
Current consumption		＜20mA	
Load current		≤100mA	
Circuit protection		Power reverse direction connection protection	
Response time		<1ms	
Indicator light		Output LED:Orange LED、Power/stable: Green LED	
Connection		Cable 2m（PVC）	
Ambient temperature		Work:-25～+55℃；Store：-40～+70℃(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.	
Insolation 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 IP65	
Material	Housing	PBT+ABS	
	Lens Mount	ABS	
	Lens	PMMA	