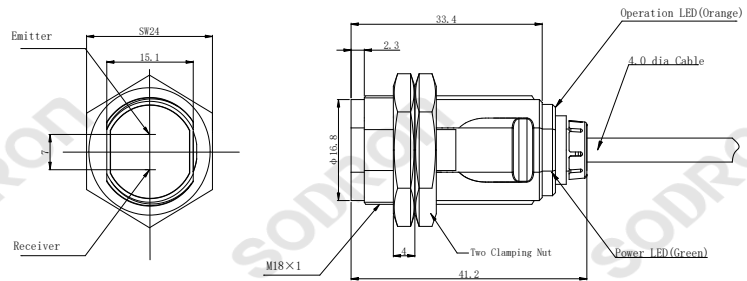




## Dimension



## Model

PM18-D10BNOR  
PM18-D10BNCR  
PM18-D10BPOR  
PM18-D10BPCR

## Technical parameters

Sensing method Diffuse reflection

Model	NPN	PM18-D10BNOR	PM18-D10BNCR
	PNP	PM18-D10BPOR	PM18-D10BPCR

Sensing distance 10cm

## Product features

- Diffuse reflection
- Adjustable sensing distance
- ASIC, Fast response, High frequency
- IEC IP65

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%

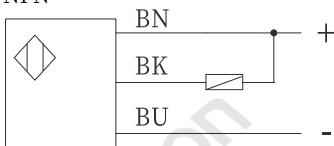
Residual Voltage < 2V (Load Current: ≤100mA)

Current consumption < 20mA

Load Current ≤100mA

## Connection

NPN



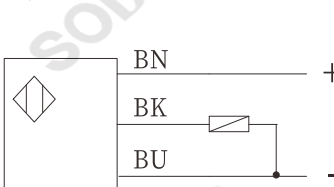
Circuit protection Power reverse direction connection protection

Response time < 1ms

Indicator light Output LED: Orange LED, Power/stable: Green LED

Connection Cable 2m (PVC)

PNP



Ambient temperature Work: -25 ~ +55°C; Store: -40 ~ +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

Anti-impact 500m/S<sup>2</sup> X, Y,Z , directions for 3 times

Protection degree IEC IP65

Housing PBT+ABS

Material Lens Mount ABS

Lens PMMA