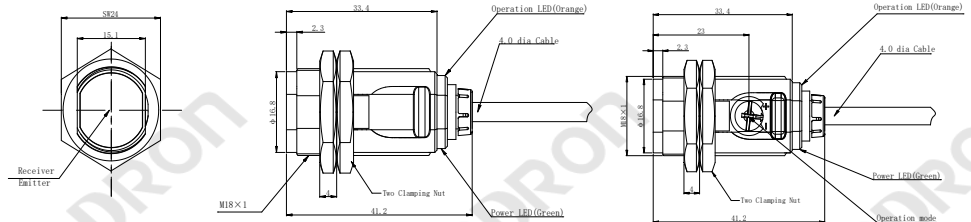




Dimension



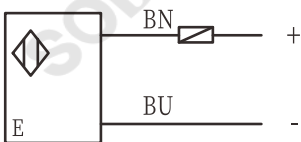
Model	Technical parameters	
	Sensing method	Through beam
PM18V-T20BNWR	Model NPN	PM18V-T20BNWR
PM18V-T20BPWR	Model PNP	PM18V-T20BPWR
	Sensing distance	20m (Adjustable)
	Standard target	> $\Phi 7$ mm (Opaque object)
	Output mode	Light-ON/Dark-ON (Wire switching)
	Light source	640nm Red LED
	Supply power	DC 12~24V $\pm 10\%$, impulse (P-P) < 10%
	Directivity angle	> 2°
	Residual voltage	< 2V (Load Current: ≤ 100 mA)
	Current consumption	Transmitter < 10 mA; Receiver < 10 mA
	Load current	≤ 100 mA
	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°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.
	Insolation resistance	> 20M Ω (DC500V megger) between current-carrying parts and case
	Anti-vibration	10~55Hz double-amplitude 1.5mmX,Y,Z 2h
	Anti-impact	500m/s ² X, Y,Z, directions for 3 times
	Protection degree	IEC IP65
	Housing	PBT+ABS
	Material Lens mount	ABS
	Lens	PMMA

Product Features

- Through beam
- 640nm Red LED
- IEC IP65

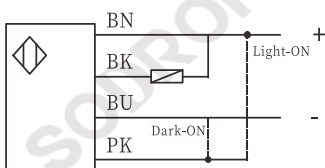
Connection

Transmitter



Receiver

NPN



PNP

