



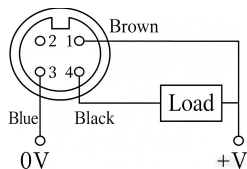
**Model:**  
SN18Y-□B□□-E

**Product Features:**

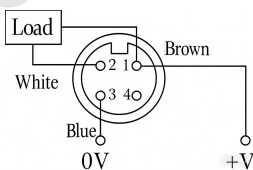
- ASIC, excellent anti-interference performance
- IP67
- UL certification

**Connection**

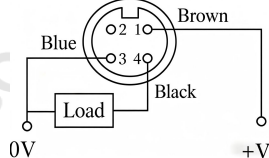
**NPN-NO**



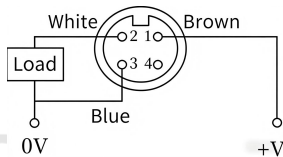
**NPN-NC**



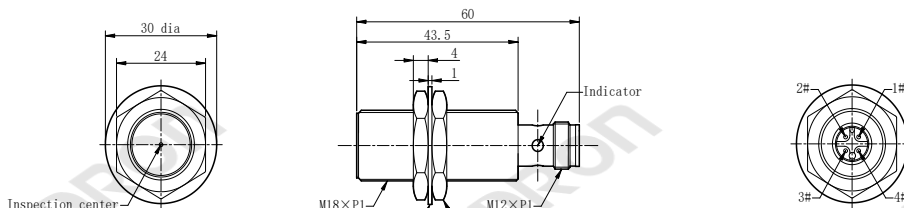
**PNP-NO**



**PNP-NC**



**Dimension**



**Technical parameter**

Type	Flushed(Single-distance)			
Model	SN18Y-05BNA-E	SN18Y-05BPA-E	SN18Y-05BNB-E	SN18Y-05BPB-E
Sensing distance	5mm±10%			
Set distance	0~4mm			
Standard sensing object	Iron sheet 18X18X1mm			
Response frequency	1KHz			
Repeat accuracy	< 3% sensing distance			
Type	Flushed(Double-distance)			
Model	SN18Y-08BNA-E	SN18Y-08BPA-E	SN18Y-08BNB-E	SN18Y-08BPB-E
Sensing distance	8mm±10%			
Set distance	0~6.4mm			
Standard sensing object	Iron sheet 24X24X1mm			
Response frequency	0.5KHz			
Repeat accuracy	< 5% sensing distance			
Output mode	NPN	PNP	NPN	PNP
Output state	NO	NO	NC	NC
Hysteresis error	1%~15% sensing distance			
Current consumption	<15mA			
Power supply	10~30V DC			
Load current	<200mA			
Residual voltage	<2.5V(load current at 200mA 2m cable)			
Indicator light	Yellow LED			
Circuit protection	reverse connection protection , short-circuit protection, surge absorption			
Temperature effect	-25°C~70°C ±10% of sensing distance at +23°C			
Ambient temperature	work:-25°C~ + 70°C store: -25°C~ + 70°C			
Ambient humidity	work: 35~95% store: 35~95%			
Withstand voltage	500V AC,50/60Hz 1min between current-carrying part and case			
Insulation resistance	>20MΩ (DC500V) between current-carrying part and case			
Anti-vibration	10~55Hz, amplitude 1.5mm for 2H in X,Y,Z directions			
Anti-impact	500m/s <sup>2</sup> for X,Y,Z directions (50G) 3 times			
Protection degree	IEC IP67			
Connection	connector M12			
Material	Front	PBT		
	Housing	Nickel-plated brass		
	Connector	M12: PC; Pins: Copper plated with gold		