



**Model**

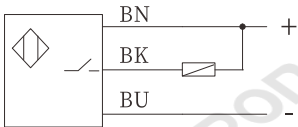
SN18Y-□D□□

**Product features**

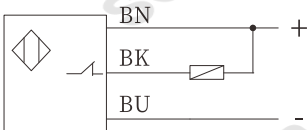
- Stress relief process adopted for cable outlet
- Adopts dedicated chip, featuring excellent anti-interference performance
- IEC IP67
- UL

**Connection**

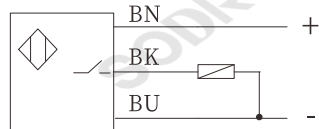
**NPN-NO**



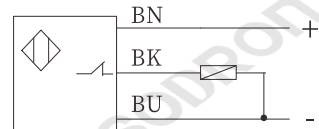
**NPN-NC**



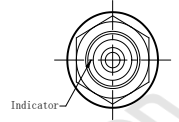
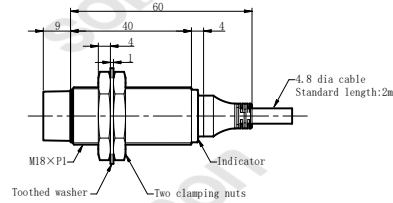
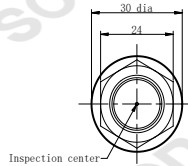
**PNP-NO**



**PNP-NC**



**Dimension**



**Technical parameters**

Type	Single-distance Non-flushed			
Model	SN18Y-08DNA	SN18Y-08DPA	SN18Y-08DNB	SN18Y-08DPB
Sensing distance	8mm±10%			
Set distance	0~6.4mm			
Standard target	24X24X1mm (Iron sheet)			
Response frequency	0.4KHz			
Repeat accuracy	< 3%(Sensing distance)			
Type	Double-distance Non-flushed			
Model	SN18Y-16DNA	SN18Y-16DPA	SN18Y-16DNB	SN18Y-16DPB
Sensing distance	16mm±10%			
Set distance	0~12.8mm			
Standard target	48X48X1mm (Iron sheet)			
Response frequency	0.4KHz			
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:200mA , 2m wire)			
Indicator light	Yellow LED (Output ON)			
Circuit protection	Reverse polarity connection protection, short-circuit protection,electrical surge absorption			
Temperature effect	-25~70°C, within ±10% of sensing distance at 23°C			
Ambient temperature	Work&Storage: -25°C~ +70°C			
Ambient humidity	Work&Storage: 35~95%			
Withstand Voltage	500 VAC, 50/60 Hz, 1 min			
Insulation resistance	> 20MΩ (DC500V megger) between current-carrying parts and case			
Anti-vibration	10~55Hz, double amplitude 1.5mm, X, Y, Z axes, 2h			
Anti-impact	3 shocks of 500 m/s <sup>2</sup> (approx. 50 G) in X, Y and Z axes			
Protection degree	IEC IP67			
Connection	Cable 2m, Φ4.8 (3-core), Grey, 0.2mm <sup>2</sup> , Oil-resistant PVC			
Material	Front plug	PBT		
	Housing	Nickel-plated brass		
	Rear plug	TPEE		