



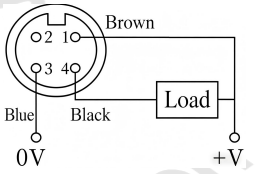
**Model**  
SN30Y-□D□□-E

**Product Features:**

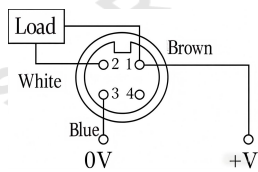
- ASIC, excellent anti-interference performance
- IP67
- UL certification

**Connection**

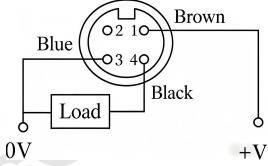
**NPN-NO**



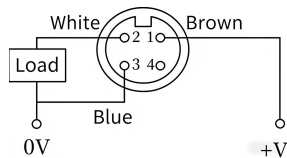
**NPN-NC**



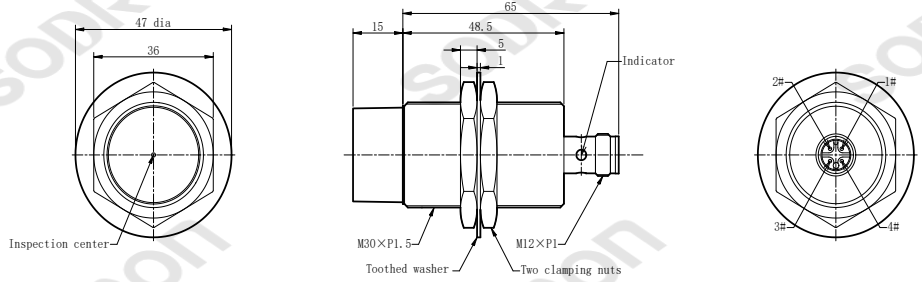
**PNP-NO**



**PNP-NC**



**Dimension**



**Technical parameter**

Type	Non-flushed(Single-distance)			
Model	SN30Y-15DNA-E	SN30Y-15DPA-E	SN30Y-15DNB-E	SN30Y-15DPB-E
Sensing distance	15mm±10%			
Set distance	0~12mm			
Standard sensing object	Iron sheet 45X45X1mm			
Response frequency	0.1KHz			
Repeat accuracy	< 3% sensing distance			
Type	Non-flushed(Double-distance)			
Model	SN30Y-30DNA-E	SN30Y-30DPA-E	SN30Y-30DNB-E	SN30Y-30DPB-E
Sensing distance	30mm±10%			
Set distance	0~24mm			
Standard sensing object	Iron sheet 90X90X1mm			
Response frequency	0.1KHz			
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		