SODRON

Proximity Sensors

Model

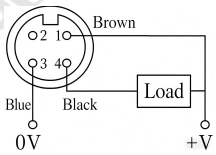
SNT30-□D□□-E

Product Features

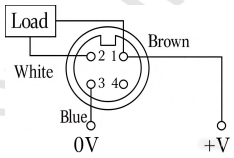
- Adopts dedicated chip, featuring excellent anti-interference performance
- IEC IP67
- Ambient high temp. resistance: Up to 105℃

Connection

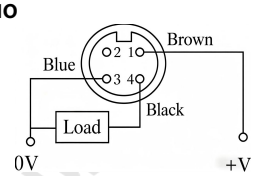
NPN-NO



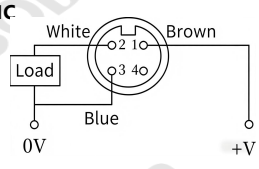
NPN-NC



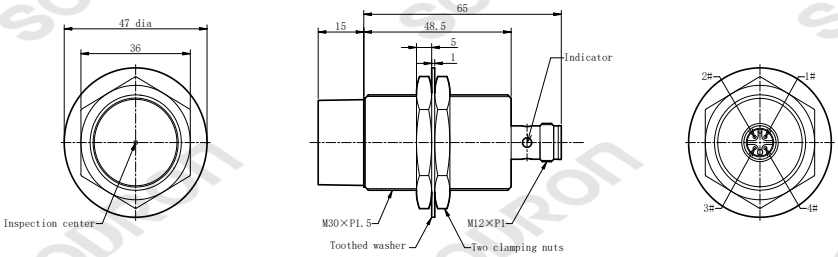
PNP-NO



PNP-NC



Dimension



Technical parameters

Type	Single-distance Non-flushed			
Model	SNT30-15DNA-E	SNT30-15DPA-E	SNT30-15DNB-E	SNT30-15DPB-E
Sensing distance	15mm±10%			
Set distance	0∽12mm			
Standard target	45X45X1mm (Iron sheet)			
Response frequency	0.1KHz			
Repeat accuracy	< 3% (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	-25~105℃, within ±10% of sensing distance at 23℃			
Ambient temperature	Work&Storage: -25℃∽+105℃			
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/s² (approx. 50 G) in X, Y and Z axes			
Protection degree	IEC IP67			
Connection	Connector,M12			
Material — Front plug	PBT			
Material — Housing	Nickel-plated brass			
Material — Connector	M12: PA ; Pin: Gold-plated copper			