

# Rectangular Inductive Proximity Sensor

# SN

Fiber  
Photo Sensor  
Area Sensor  
Ultrasonic Sensors  
**Inductive Proximity Sensor**  
Capacitive Proximity Sensor  
Timer / Counter  
Others  
Accessories

### ◆Shape / 外觀 :



### ◆Specifications / 規格表 :

Output method / 輸出模式	NPN N.O.	<b>SND04-N</b>	<b>SND04-ND</b>	-	-
	NPN N.C.	<b>SND04-N2</b>	<b>SND04-N2D</b>	-	-
	PNP N.O.	<b>SND04-P</b>	<b>SND04-PD</b>	-	-
	PNP N.C.	<b>SND04-P2</b>	<b>SND04-P2D</b>	-	-
	NPN N.O./N.C. PNP N.O./N.C.	-	-	-	-
	SCR N.O.	-	-	<b>SN04-A</b>	<b>SN04-AD</b>
	SCR N.C.	-	-	<b>SN04-A2</b>	<b>SN04-A2D</b>
Sensing Surface / 檢測方向	Front surface / 上方		Top surface / 前方		
Standard sensing object / 標準檢測物	Iron 18 x 18 x 1mm		Iron 18 x 18 x 1mm		
Sensing distance / 檢出距離	4 mm		4 mm		
Secure sensing distance / 建議距離	0 to 3.2 mm		0 to 3.2 mm		
Hysteresis / 遲滯	≤ 10 % of sensing distance		≤ 10 % of sensing distance		
Response time / 反應時間	2 ms Max.		50 ms Max.		
Operating voltage / 工作電壓	DC 10 ~ 30V		AC 90 ~ 260V		
Current consumption / 消耗電流	≤ 8 mA no-load		2mA Max		
Load current / 負載電流	100 mA Max at DC 30V		5~100 mA Max.		
Leakage current / 漏電流	≤ 1.1 mA no-load		≤ 2.0 mA no-load		
Residual voltage / 殘餘電壓	≤ DC 1.5V		≤ AC 4V		
Insulation resistance / 隔離阻抗	20MΩ min. (DC500V)		20MΩ min. (DC500V)		
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.		AC1000V 60Hz for 60 Sec.		
Operating temperature / 工作溫度範圍	-20°C ~ +60°C		-20°C ~ +60°C		
Protection degree / 防水等級	IP 66	IP 66	IP 66	IP 66	
Wiring method / 出線方式	Pre-wire Ø4.2 x 2M/3-wires	M8 pigtailed type /M8 接頭15cm 電線式	Pre-wire Ø4.2 x 2M/2-wires	M8 pigtailed type /M8 接頭15cm 電線式	
Weight / 重量	Approx.60g	Approx.18g	Approx.56g	Approx.15g	
◆Dimensions/尺寸圖 :					