

# Rectangular Inductive Proximity Sensor **JN/JND**

## ◆ Characteristic / 特點 :

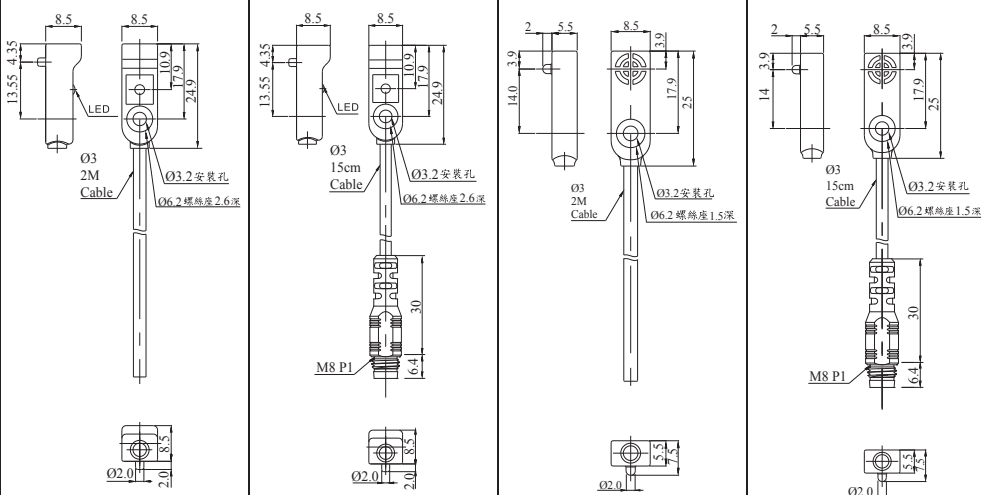
- Small dimension : 8.5x5.5x25mm.  
/ 尺寸迷你，僅8.5x5.5x25mm。
- Front/ Upside sensing available.  
/ 規格齊全：前方感應、上方感應。
- M8 3pin connector model available.  
/ M8 3pin 接頭式，配線方便。
- Single screw hole fixing.  
/ 單螺絲方便固定。



## ◆ Specifications / 規格表 :

Output method / 輸出模式	NPN N.O.	JN02-N	JN02-ND	JND02-N	JND02-ND
	NPN N.C.	-	-	-	-
	PNP N.O.	JN02-P	JN02-PD	JND02-P	JND02-PD
	PNP N.C.	-	-	-	-
Sensing distance / 檢出距離		2 mm		2 mm	
Secure sensing distance / 建議距離		0 to 1.6 mm		0 to 1.6 mm	
Standard sensing object / 標準檢測物		Iron 8 x 8 x 1mm		Iron 8 x 8 x 1mm	
Sensing Surface / 檢測方向		Top surface / 前方		Front surface / 上方	
Hysteresis / 遲滯		≤ 10 % of sensing distance		≤ 10 % of sensing distance	
Response time / 反應時間		1 ms Max.		1 ms Max.	
Operating voltage / 工作電壓		DC 10 ~ 30V		DC 10 ~ 30V	
Current consumption / 消耗電流		≤ 8 mA no-load		≤ 8 mA no-load	
Load current / 負載電流		100 mA Max. at DC 30V		100 mA Max. at DC 30V	
Leakage current / 漏電流		≤ 1.1 mA no-load		≤ 1.1 mA no-load	
Residual voltage / 殘餘電壓		≤ DC 1.5V		≤ DC 1.5V	
Insulation resistance / 隔離阻抗		20M Ω min. (DC500V)		20M Ω 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 64	IP 64	IP 64	IP 64
Wiring method / 出線方式		Pre-wire Ø3 x 2M/3-wires	M8 pigtailed type /M8 接頭15cm 電線式	Pre-wire Ø3 x 2M/3-wires	M8 pigtailed type /M8 接頭15cm 電線式
Weight / 重量		Approx.30g	Approx.10g	Approx.28g	Approx.10g

## ◆ Dimensions / 尺寸圖 : (unit:mm)



Inductive / Capacitive Proximity Sensor

PSD18-LA/LV  
PSC18-LA/LV  
SC18-LA/LV

HPD  
HPS

Ø4  
M5  
Ø6  
M8  
M12  
M18  
M30

JN  
JND  
KND  
PN  
PND  
RN  
SN  
TSN

SID  
SIR  
SIA

PKC  
KC  
KCM  
KCP