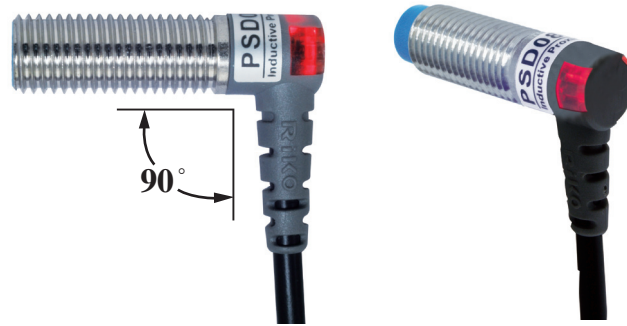


# Tubular Inductive Proximity Sensor

# M8

## ◆ Characteristic / 特點 :

- 90 degree wiring, saving space.  
/ 專利90度出線設計, 節省空間。
- Anti-bending connection design.  
/ 專利包覆設計, 耐彎保護佳。
- DC 2-wire output model available.  
/ DC二線式輸出, 省配線。
- IP 67 protection rating./ IP67防水等級。
- NP model : NPN+PNP NO/NC 4-in-1 outputs.  
/ 新型NP電路: NPN/PNP NO/NC All in one.



## ◆ Specifications / 規格表 :

Output method / 輸出模式	NPN N.O.	PSD0801-N	PSD0801-ND	PSD0803-N	PSD0803-ND
	PNP N.O.	PSD0801-P	PSD0801-PD	PSD0803-P	PSD0803-PD
	NPN N.O./N.C. PNP N.O./N.C.	PSD0801-NP PSS0801-NP	PSD0801-NPB PSS0801-NPB	PSD0803-NP PSS0803-NP	PSD0803-NPB PSS0803-NPB
	2 WIRES N.O.	PSD0801-C	—	PSD0802-C	—
	2 WIRES N.C.	PSD0801-C2	—	PSD0802-C2	—
Sensing distance / 檢出距離	1 mm			3 mm / 2mm	
Secure sensing distance / 建議距離	0 to 0.8 mm			0 to 2.4 mm / 0 to 1.6mm	
Standard sensing object / 標準檢測物	Iron 8 × 8 × 1 mm				
Sensing type / 檢出方式	Shielded / 隔離型			Unshielded / 非隔離型	
Description / 外型	Standard M8 / 標準M8				
Hysteresis / 遲滯	≤ 10 % of sensing distance				
Response time / 反應時間	1 ms Max.				
Operating voltage / 工作電壓	DC12 ~ 24 V / DC24 V ± 10%				
Current consumption / 消耗電流	≤ 8 mA no-load (Not for C / C2)				
Load current / 負載電流	100 mA Max. at DC 24V				
Leakage current / 漏電流	≤ 1.1 mA no-load / ≤ 0.7 mA no-active				
Residual voltage / 殘餘電壓	≤ DC 2V / ≤ DC 7V				
Insulation resistance / 隔離阻抗	20MΩ min. (DC500V)				
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.				
Operating temperature / 工作溫度	-20°C ~ + 60°C				
Protection degree / 防水等級	IP 67				
Wiring method / 出線方式	N/P: Ø3x2M/3-wires NP: Ø3x2M /4-wires 2W: Ø3x2M/2-wires	M8 pigtailed type / M8接頭15cm電線式	N/P: Ø3x2M/3-wires NP: Ø3x2M /4-wires 2W: Ø3x2M/2-wires	M8 pigtailed type / M8接頭15cm電線式	
Weight / 重量	PSD	Approx. 28g	Approx. 12g	Approx. 28g	Approx. 12g
	PSS	Approx. 28g	Approx. 12g	Approx. 28g	Approx. 12g
◆ Dimensions / 尺寸圖 : (unit:mm)					
◆ Wiring diagrams / 接線圖 :	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>-NP</b></p> </div> <div style="width: 45%;"> <p><b>-NPB</b></p> <p>(1) BROWN (3) BLUE (2) WHITE (4) BLACK</p> </div> </div>				

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