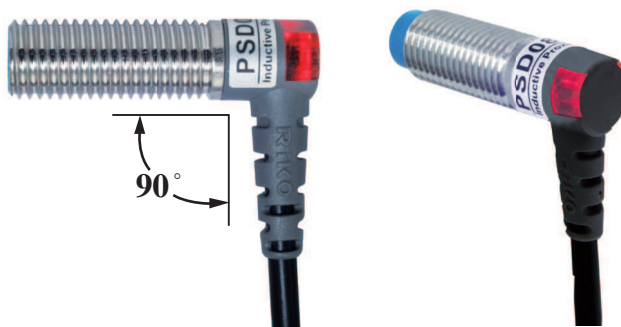


# Tubular Inductive Proximity Sensor

# 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℃ ~ + 60℃			
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：					

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