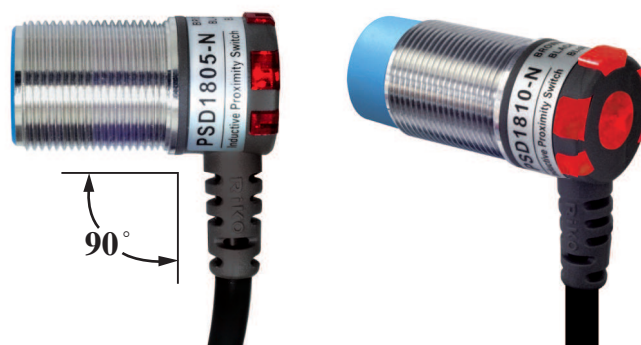


Tubular Inductive Proximity Sensor

M18

◆ Characteristic / 特點：

- 90 degree wiring, saving space.
/ 專利90度出線設計，節省空間。
- Large LED indicator, clearly checking working operation.
/ 大面積動作燈，可清晰了解感測器的動作。
- 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.
- Anti-bending connection design.
/ 專利包覆設計，耐彎保護佳。



◆ Specifications / 規格表：

Output method /輸出模式	NPN N.O.	PSD1805-N	PSD1805-NK	PSD1810-N	PSD1810-NK
	PNP N.O.	PSD1805-P	PSD1805-PK	PSD1810-P	PSD1810-PK
	NPN N.O./N.C. PNP N.O./N.C.	PSD1805-NP	PSD1805-NPK	PSD1808-NP	PSD1808-NPK
	2 WIRES N.O.	—	—	—	—
	2 WIRES N.C.	—	—	—	—
Sensing distance / 檢出距離		5 mm / 5 mm		9 mm / 8 mm	
Secure sensing distance / 建議距離		0 to 4.0 mm / 0 to 4.0 mm		0 to 7.2 mm / 0 to 6.4 mm	
Standard sensing object / 標準檢測物		Iron 18×18×1 mm			
Sensing type / 檢出方式		Shielded / 隔離型		Unshielded / 非隔離型	
Description / 外型		Standard M18 / 標準M18			
Hysteresis / 遲滯		≤10 % of sensing distance			
Response time / 反應時間		2 ms Max.			
Operating voltage / 工作電壓		DC 12 ~ 24 V			
Current consumption / 消耗電流		≤ 14 mA no-load			
Load current / 負載電流		100 mA Max. at DC 24V			
Leakage current / 漏電流		≤1.1 mA no-load			
Residual voltage / 殘餘電壓		≤ DC 2V			
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:Ø5.2x2M/3-wires NP:Ø5.2x2M /4-wires	M12 pigtailed type / M12接頭15cm電線式	N/P:Ø5.2x2M/3-wires NP:Ø5.2x2M /4-wires	M12 pigtailed type / M12接頭15cm電線式
Weight / 重量		Approx.86g	Approx.38g	Approx.86g	Ap prox.38g
◆ 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