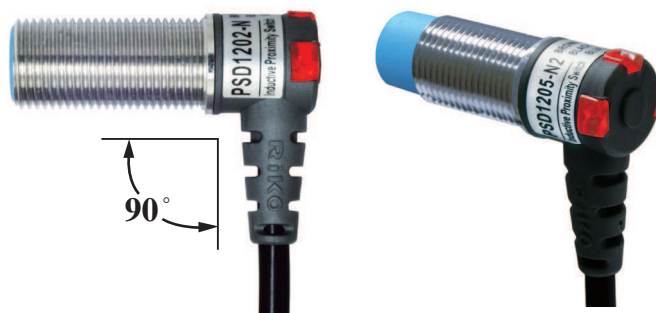


Tubular Inductive Proximity Sensor

M12

◆ 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.	PSD1202-N	PSD1202-ND	PSD1205-N	PSD1205-ND
	PNP N.O.	PSD1202-P	PSD1202-PD	PSD1205-P	PSD1205-PD
	NPN N.O./N.C. PNP N.O./N.C.	PSD1202-NP PSS1202-NP	PSD1202-NPB PSS1202-NPB	PSD1205-NP PSS1205-NP	PSD1205-NPB PSS1205-NPB
	2 WIRES N.O.	PSD1202-C	—	PSD1205-C	—
	2 WIRES N.C.	PSD1202-C2	—	PSD1205-C2	—
Sensing distance / 檢出距離		2 mm		5 mm	
Secure sensing distance / 建議距離		0 to 1.6 mm		0 to 4.0 mm	
Standard sensing object / 標準檢測物		Iron 12 × 12 × 1 mm			
Sensing type / 檢出方式		Shielded / 隔離型		Unshielded / 非隔離型	
Description / 外型		Standard M12 / 標準M12			
Hysteresis / 遲滯		≤ 10 % of sensing distance			
Response time / 反應時間		1 ms Max.			
Operating voltage / 工作電壓		DC 12 ~ 24 V / DC 24 V±10%			
Current consumption / 消耗電流		≤ 14 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:Ø4.2x2M/3-wires NP:Ø4.2x2M /4-wires 2W:Ø4.2x2M/2-wires	M8 pigtailed type / M8接頭15cm電線式	N/P:Ø4.2x2M/3-wires NP:Ø4.2x2M /4-wires 2W:Ø4.2x2M/2-wires	M8 pigtailed type / M8接頭15cm電線式
Weight / 重量		Approx.60g	Approx.20g	Approx.56g	Approx.16g
◆ Dimensions / 尺寸圖： (unit:mm)					
◆ Wiring diagrams / 接線圖：					
-NP BROWN BLACK WHITE BLUE DC12~24V NPN.NO PNP.NO 0V 0V NPN.NC PNP.NC DC12~24V					
-NPB (1) (2) (4) (3) DC12~24V PNP.NO NPN.NO 0V 0V PNP.NC NPN.NC DC12~24V (1)BROWN (3)BLUE (2)WHITE (4)BLACK					

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