M18 耐彎抗拉圓管型近接開關

Proximity Sensor

Characteristic / 特點：

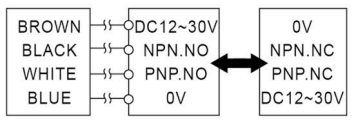
- Special line-out design for bending resistance and tensile. It will upgrade the durability and life.
  / 獨特的出線包覆設計，抗拉、耐彎曲，提升耐用度和壽命。
- The IP67 rating is designed to the effective waterproof.
  / 保護結構達到IP67的規格，能有效的防水。



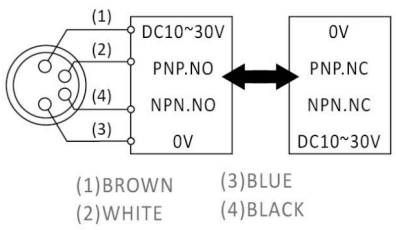
Model / 型號	NPN N.O. / N.C. PNP N.O. / N.C.	PSC1805-NP	PSC1805-NPK	PSC1808-NP	PSC1808-NPK
Sensing distance / 檢出距離		5 mm ±10%		8 mm ±10%	
Secure sensing distance / 建議距離		0 ~ 4.0 mm		0 ~ 6.4 mm	
Standard sensing object / 標準檢測物		Iron / 鐵 18× 18 × 1 mm			
Sensing type / 檢出方式		Shielded / 隔離型		Unshielded / 非隔離	
Description / 外型		Standard M18 / 標準M18			
Hysteresis / 遲滯		≦10 % of sensing distance / 檢測距離的 10 %以下			
Response time / 反應頻率		max 2 ms			
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			
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°C ~ + 60°C			
Protection degree / 防水等級		IP 67			
Option / 選購配件		M124R-PVC-2M			
Wiring method / 出線方式		Ø5.2x2M/ 4wires	M12 pigtailed type / M12 出線式接頭型	Ø5.2x2M/ 4wires	M12 pigtailed type / M12 出線式接頭型
Weight / 重量		93g	40.5g	92g	39.5g

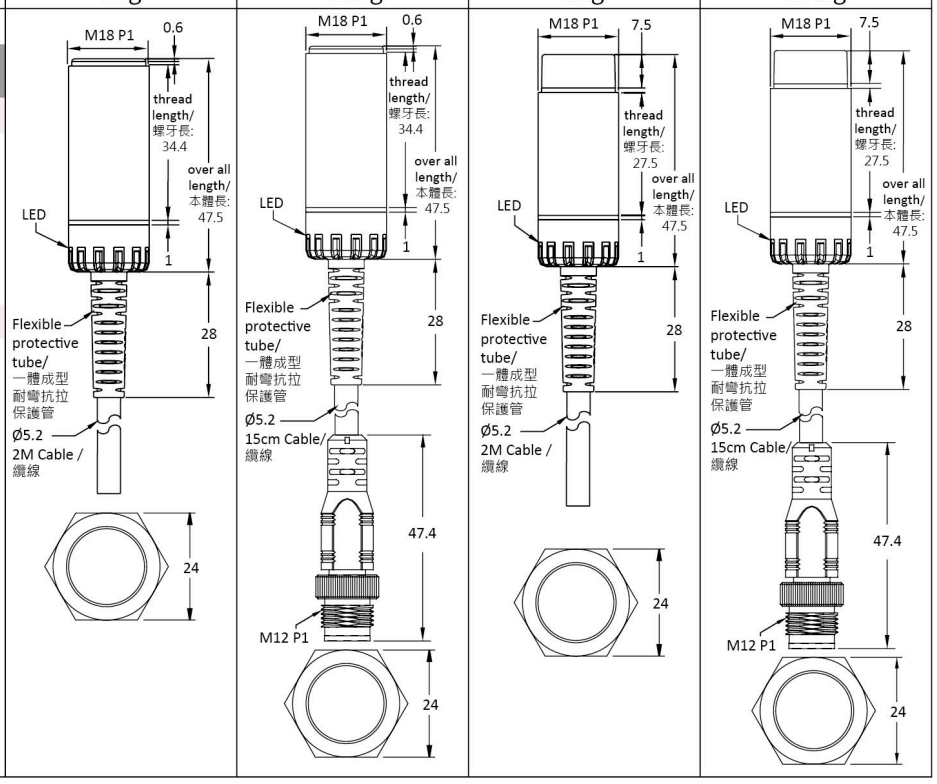
Wiring diagrams / 接線圖

-NP



-NPK



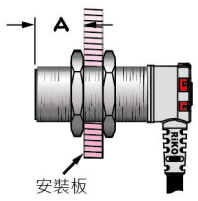


Precautions proper installation / 安裝注意事項

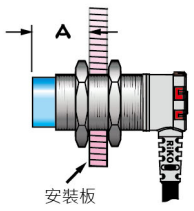
PSD 系列

Mounting with nut / 螺母安裝

Shielded / 隔離型



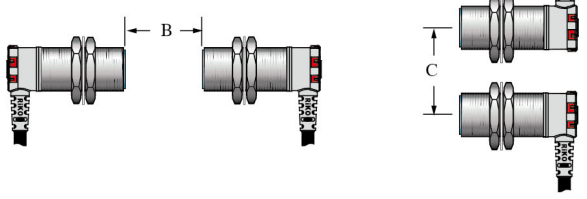
Unshielded / 非隔離型



Sensing surface	Model	A (mm)
Shielded /隔離型	PSD0801	≧0
	PSD1202	≧0
	PSD1805	≧0
	PSD3010	≧0
Unshielded /非隔離型	PSD0803	≧6
	PSD1205	≧15
	PSD1808	≧22
	PSD1810	≧22
	PSD3015	≧30
	PSD3018	≧30

Crosstalk prevention / 相互干擾

當多個感測器並列或對向安裝，預防相互干擾，請參照建議安裝距離，如下表：

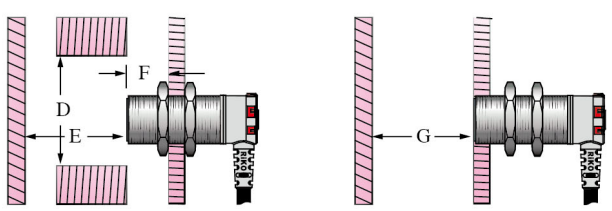


Sensing surface	Model	B (mm)	C (mm)
Shielded /隔離型	PSD0801	≧5	≧15
	PSD1202	≧10	≧20
	PSD1805	≧12	≧30
	PSD3010	≧50	≧45
Unshielded /非隔離型	PSD0803	≧8	≧15
	PSD1205	≧10	≧20
	PSD1808	≧16	≧30
	PSD1810	≧16	≧30
	PSD3015	≧60	≧45
	PSD3018	≧60	≧45

Influenced by surrounding metals. / 周圍金屬影響

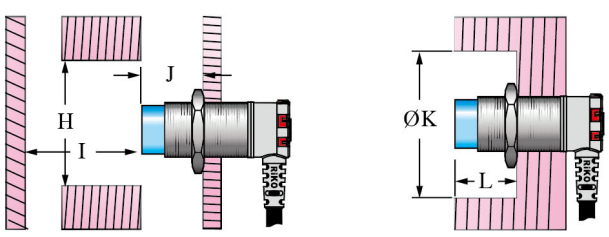
避免環境干擾，請參照建議安裝距離表格如下

Shielded / 隔離型



Model	D (mm)	E (mm)	F (mm)	G (mm)
PSD0801	≧12	≧4	≧0	≧4
PSD1202	≧20	≧8	≧0	≧8
PSD1805	≧30	≧20	≧0	≧20
PSD3010	≧50	≧40	≧0	≧40

Unshielded / 非隔離型



Model	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)
PSD0803	≧22	≧8	≧6	≧22	≧6
PSD1205	≧36	≧20	≧15	≧40	≧15
PSD1808	≧54	≧40	≧22	≧40	≧15
PSD1810	≧54	≧40	≧22	≧55	≧22
PSD3015	≧90	≧70	≧30	≧90	≧30
PSD3018	≧90	≧70	≧30	≧90	≧30

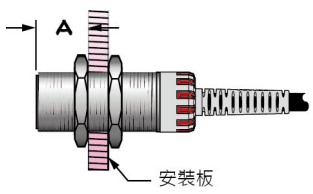
耐彎扒拉圓管型近接開關 注意事項

Precautions proper installation / 安裝注意事項

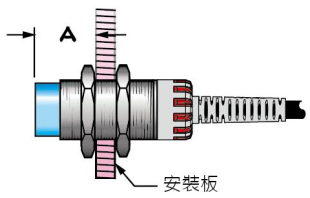
PSC 系列

Mounting with nut / 螺母安裝

Shielded / 隔離型



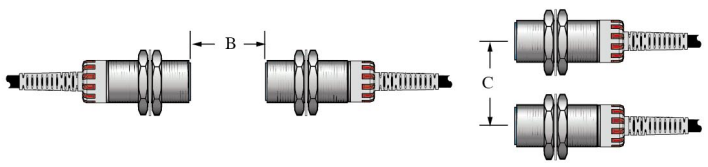
Unshielded / 非隔離型



Sensing surface	Model	A (mm)
Shielded /隔離型	PSC0801	≧0
	PSC1202	≧0
	PSC1203	≧0
	PSC1805	≧0
	PSC1806	≧0
	PSC3010	≧0
	PSC3012	≧0
Unshielded /非隔離型	PSC0802	≧6
	PSC1205	≧15
	PSC1206	≧15
	PSC1808	≧22
	PSC1812	≧22
	PSC3018	≧30
	PSC3025	≧40

Crosstalk prevention / 相互干擾

當多個感測器並列或對向安裝，預防相互干擾，
請參照建議安裝距離(如下表)

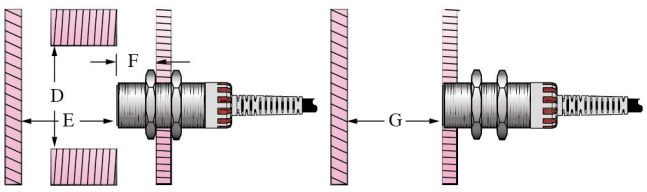


Sensing surface	Model	B (mm)	C (mm)
Shielded /隔離型	PSC0801	≧5	≧15
	PSC1202	≧10	≧20
	PSC1203	≧10	≧20
	PSC1805	≧12	≧30
	PSC1806	≧15	≧30
	PSC3010	≧50	≧45
	PSC3012	≧50	≧45
Unshielded /非隔離型	PSC0802	≧6	≧15
	PSC1205	≧20	≧20
	PSC1206	≧20	≧20
	PSC1808	≧25	≧30
	PSC1812	≧25	≧30
	PSC3018	≧60	≧45
	PSC3025	≧70	≧60

Influenced by surrounding metals. / 周圍金屬影響

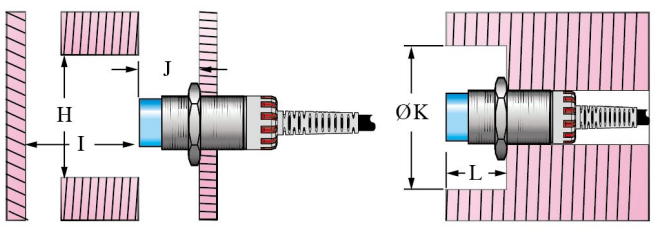
避免環境干擾，請參照建議安裝距離表格如下

Shielded / 隔離型



Model	D (mm)	E (mm)	F (mm)	G (mm)
PSC0801	≧12	≧4	≧0	≧4
PSC1202	≧20	≧8	≧0	≧8
PSC1203	≧20	≧10	≧0	≧10
PSC1805	≧30	≧20	≧0	≧20
PSC1806	≧30	≧30	≧0	≧30
PSC3010	≧50	≧40	≧0	≧40
PSC3012	≧50	≧50	≧0	≧50

Unshielded / 非隔離型



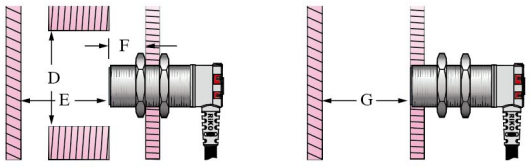
Model	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)
PSC0802	≧22	≧8	≧6	≧22	≧6
PSC1205	≧36	≧20	≧15	≧40	≧15
PSC1206	≧36	≧20	≧15	≧40	≧15
PSC1808	≧54	≧40	≧22	≧55	≧22
PSC1812	≧60	≧45	≧25	≧60	≧25
PSC3018	≧90	≧70	≧30	≧90	≧30
PSC3025	≧105	≧85	≧45	≧105	≧45

HPD 系列

Influenced by surrounding metals. / 周圍金屬影響

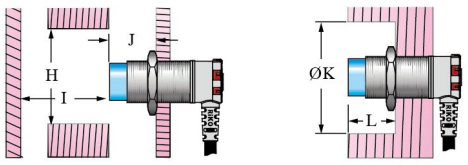
避免環境干擾，請參照建議安裝距離表格如下

Shielded / 隔離型



Model	D (mm)	E (mm)	F (mm)	G (mm)
HPD1202	≧20	≧8	≧0	≧8
HPD1805	≧30	≧20	≧0	≧20
HPD3010	≧50	≧40	≧0	≧40

Unshielded / 非隔離型

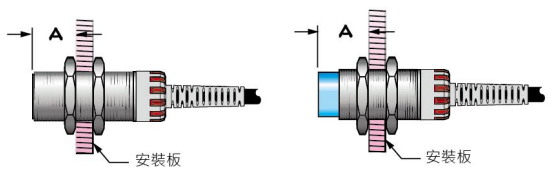


Model	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)
HPD1204	≧36	≧20	≧15	≧40	≧15
HPD1808	≧54	≧40	≧22	≧55	≧22
HPD3015	≧90	≧70	≧30	≧90	≧30

HPS 系列

Mounting with nut / 螺母安裝

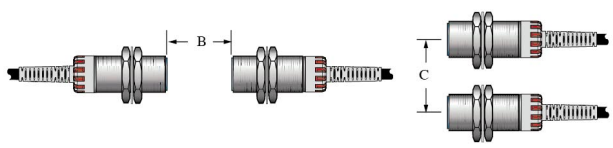
Shielded / 隔離型　　Unshielded / 非隔離型



Sensing surface	Model	A (mm)
Shielded /隔離型	HPS1202	≧0
	HPS1805	≧0
	HPS3010	≧0
Unshielded /非隔離型	HPS1204	≧15
	HPS1808	≧22
	HPS3015	≧30

Crosstalk prevention / 相互干擾

當多個感測器並列或對向安裝，預防相互干擾，
請參照建議安裝距離(如下表)

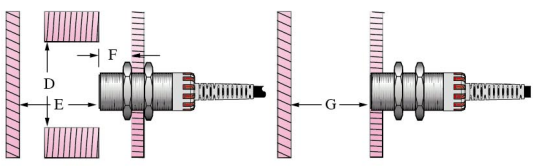


Sensing surface	Model	B (mm)	C (mm)
Shielded /隔離型	HPS1202	≧10	≧20
	HPS1805	≧15	≧30
	HPS3010	≧50	≧45
Unshielded /非隔離型	HPS1204	≧20	≧20
	HPS1808	≧25	≧30
	HPS3015	≧60	≧45

Influenced by surrounding metals. / 周圍金屬影響

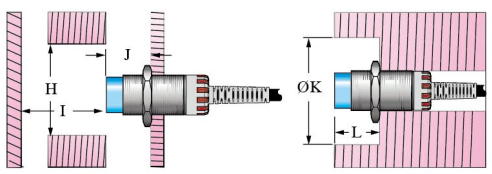
避免環境干擾，請參照建議安裝距離表格如下

Shielded / 隔離型



Model	D (mm)	E (mm)	F (mm)	G (mm)
HPS1202	≧20	≧8	≧0	≧8
HPS1805	≧30	≧20	≧0	≧20
HPS3010	≧50	≧40	≧0	≧40

Unshielded / 非隔離型



Model	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)
HPS1204	≧36	≧20	≧15	≧40	≧15
HPS1805	≧54	≧40	≧22	≧55	≧22
HPS3015	≧90	≧70	≧30	≧90	≧30

Specification

Related products

RiKO Opto-Electronics Technology Co., Ltd.

02-2225-5055　Sales@riko.com

02-2222-4987 (RiKO Official Skype : riko7f2)　4F., No. 15, Qiaohe Rd., Zhonghe Dist., New Taipei City 235029 , Taiwan (R.O.C.)

Quick Link

About Us　Category　News　Application　Download Center　Member Center　EDM　Contact me