

Tubular Inductive Proximity Sensor

M18

◆ Characteristic / 特點：

- Standard models for metal detection.
/ 標準型含鐵金屬檢測有無。
- Assorted variety：Short body/ Long body/
AC or DC available.
/ 廣泛的選擇性，短本體、長本體、直流、
交流型皆具備。



◆ Specifications / 規格表：

Output method 輸出模式	NPN N.O.	SC1805-N SCL1805-N	SC1805-NK SCL1805-NK	SC1808-N SCL1808-N	SC1808-NK SCL1808-NK
	PNP N.O.	SC1805-P SCL1805-P	SC1805-PK SCL1805-PK	SC1808-P SCL1808-P	SC1808-PK SCL1808-PK
	NPN N.O./N.C. PNP N.C./N.O.	SC1805-KP2	SC1805-KP2K	SC1808-KP2	SC1808-KP2K
	SCR N.O.	SC1805-A	SC1805-AK	SC1808-A	SC1808-AK
	SCR N.C.	SC1805-A2	SC1805-A2K	SC1808-A2	SC1808-A2K
Sensing distance / 檢出距離		5 mm		8 mm	
Secure sensing distance / 建議距離		0 to 4.0 mm		0 to 6.4 mm	
Standard sensing object / 標準檢測物		Iron 18 x 18 x 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		DC Type 2 ms Max. or AC Type 50ms			
Operating voltage / 工作電壓		DC 12 ~ 24V or AC 90 ~ 260V			
Current consumption / 消耗電流		DC : ≤ 8 mA no-load / AC : 2 mA Max.			
Load current / 負載電流		DC : 100 mA Max. at DC 24V or AC : 5 ~ 300 mA Max.			
Leakage current / 漏電流		≤ 1.1 mA no-load			
Residual voltage / 殘餘電壓		≤ DC 1.5V			
Insulation resistance / 隔離阻抗		20M Ω 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 66			
Wiring method / 出線方式		N/P : Ø5.2x 2M /3-wires KP2 : Ø5.2x2M /4-wires AC : Ø5.2x2M /-wires	M12 pigtailed type / M12接頭15cm電線 式	N/P : Ø5.2x 2M /3-wire KP2 : Ø5.2x2M /4-wires AC : Ø5.2x2M /2-wires	M12 pigtailed type / M12接頭15cm電線 式
Weight / 重量	SC	Approx. 90g	Approx. 30g	Approx. 96g	Approx. 35g
	SCL	Approx. 115g	Approx. 55g	Approx. 116g	Approx. 55g

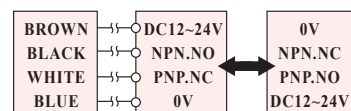
◆ Dimensions / 尺寸圖：

(unit:mm)

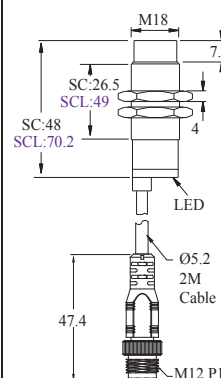
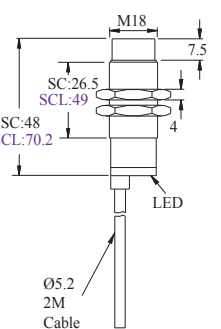
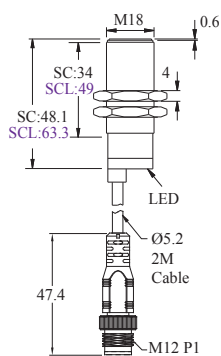
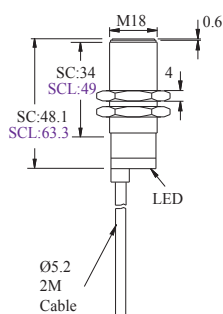
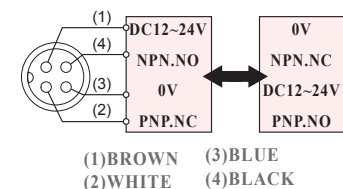
◆ Wiring diagrams

/ 接線圖：

-KP2



-KP2K



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