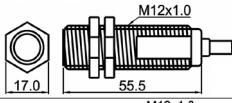
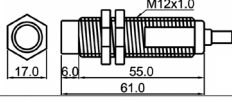
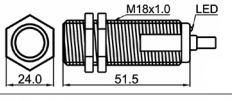
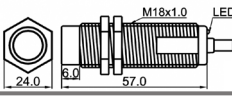


# Linear Proximity sensor

## 線性輸出 近接傳感器

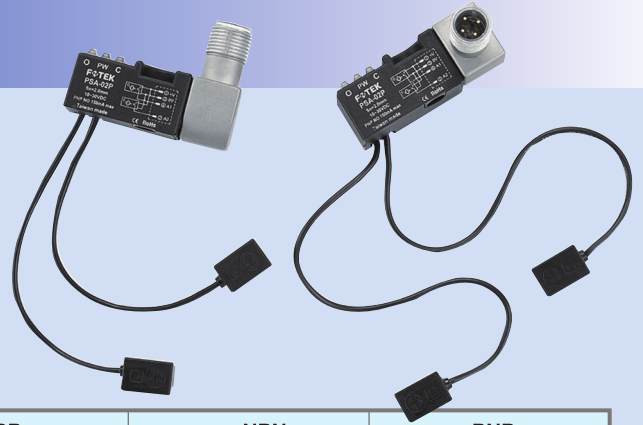
### ● M12 & M18 Linear output sensor

Outline	Model	Output method	Sensing distance	Sensing adjuster	Mounting method	Response frequency	Operating voltage	Housing material
	PM12-02LV	0 ~ 10V	0 ~ 2.0mm	non	Flushed	10Hz	10~30 VDC	Cu Plated Ni
	PM12-02LA	4 ~ 20mA						
	PM12-05LV	0 ~ 10V	0 ~ 5.0mm	non	Non-flushed			
	PM12-05LA	4 ~ 20mA						
	PM18-05LV	0 ~ 10V	0 ~ 5.0mm	Trimmer	Flushed			
	PM18-05LA	4 ~ 20mA						
	PM18-15LV	0 ~ 10V	0 ~ 15.0mm	Trimmer	Non-flushed			
	PM18-15LA	4 ~ 20mA						

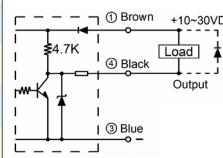
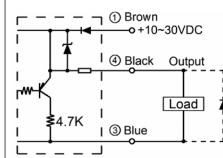
## For Power Clamps Proximity sensor

## 電焊設備用 近接傳感器

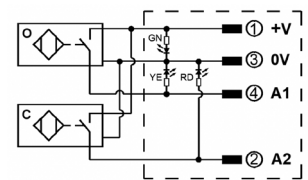
- High Noise Resistance 高抗干擾力
- High Reliability 高穩定性
- High protection class IP-67 高防水等級 IP-67



### ● Specification / 規格

Model	型號	PSA-02N	PSA-02P	NPN	PNP
Output method	輸出方式	NPN	PNP		
Voltage	工作電壓	10 ~ 30 VDC			
Current consumption	消耗電流	15 mA max.			
Output current	輸出電流	150mA max.			
Voltage drop	輸出壓降	0.8V			
Leakage current	洩漏電	0.1mA			
Sensing distance	感應距離	2.2 mm ± 10%			
Effective sensing distance	動作距離	80% of sensing distance min.			
Hysteresis	動作應差	10% of sensing distance max.			
Thermal drift	溫度飄移	10 μm/ °C max.			
Accuracy	重複精度	2% of sensing distance max.			
Pilot	指示燈	Power : Green LED ; Open ; Yellow LED : Close ; Red LED			
Frequency	響應頻率	100 Hz max.			
Protection circuit	保護回路	Short-circuit & Polarity reversed protection circuit.			
Housing material	外殼材質	ABS ( UL 94V0 )			
Protection class	保護等級	IP-67 ( IEC-60529 )			
Vibration resistance	耐震動	300m/ S <sup>2</sup> / ( 55 ~ 2000 Hz ) ( IEC-60068-2-6 )			
Shock resistance	耐衝擊	300m/ S <sup>2</sup> with 11ms ( IEC-60068-2-27 )			
EMC Interference	電磁相容	IEC 61000-6-4			
Dielectric strength	電介強度	2.5kv / 1 minute min.			
Insulation strength	絕緣強度	100 MΩ / 500vdc			
Operation circumstance	工作環境	-25°C ~ +85°C ; 100%RH max.			

#### M12 Connection



#### Outline / 外形尺寸

