

◆ Characteristic / 特點：

- High-speed response, 1 kHz (DC-light type)
/ 體積小, 反應速度快約1kHz.
- Sensing distance 10mm, suitable for the detection of small objects.
/ 檢測距離10mm,適用於小物體檢測.
- Infrared beam axis 1mm width.
/ 紅外線光軸檢測寬度1.0mm.



◆ Specifications / 規格表：

Model / 型號		SU-N	SU-ND	SU-P	SU-PD
		SU-N2	SU-N2D	SU-P2	SU-P2D
Sensing distance / 檢出距離		10mm			
Min. detection object / 最小檢測物		Opaque / 非透明體 (Ø0.5 x 10.0mm)			
Emitting light / 發光源		Infrared LED 940nm			
Operating voltage / 工作電壓		DC12 ~ 24 V			
Current Consumption / 消耗電流		20 mA Max.			
Load current / 負載電流		100mA Max. at DC24V			
Output type / 輸出模式	NO Type	N : NPN N.O. (dark operated)		P : PNP N.O. (dark operated)	
	NC Type	N2 : NPN N.C. (light operated)		P2 : PNP N.C.(light operated)	
Response time / 反應時間		1 ms Max.			
Ambient illumination/使用環境光源		Incandescent light / 白光 : 1,000 lux max.			
Insulation resistance / 隔離阻抗		20MΩ min. (DC500V)			
Voltage withstandabiligy / 絕緣耐壓		AC500V 60Hz for 60 Sec.			
Operating temperature/工作溫度範圍		-10℃ ~ + 55℃			
Ambient humidity/溼度範圍		45% ~ 85% RH 相對溼度			
Protection degree / 防水等級		IP64			
Vibration resistance / 耐震頻率		1.5-mm peak-to-peak amplitude, 10 to 55 Hz, 2 hours each in X, Y, and Z directions			
Shock resistance / 耐震度		50G, repeated 10 times each in X, Y, and Z directions			
Material / 外觀材質		PC			
Wiring method / 出線方式		Pre-wired Ø4.2 x 2 M / 3-wires	M8 pigtailed type / M8 接頭15cm電線式	Pre-wired Ø4.2 x 2 M / 3-wires	M8 pigtailed type / M8 接頭15cm電線式
Weight /重量		Approx.55g	Approx.35g	Approx.55g	Approx.35g

◆ Dimensions / 尺寸圖：(unit:mm)

