

Easy Easiness   Reliability   Intelligence   Performance

# Photo interrupt type Photoelectric Sensor

## Features

- More easy connection
- High stability
- High compact structure
- High sensitivity : 0.6Φ detectable



FOTEK CONTROLS Est. 1985 | [www.fotek.com.tw](http://www.fotek.com.tw)

## Guiding of model / 型號索引

**SU - H 05 N B - PE - 0.5MPE**  
1 2 3 4 5 6 7

1.Series 「SU」: U type	2.Sensing direction 「H」: Horizontal 「V」: Vertical	3.Detection slot 「05」: 5.0mm	4.Output method 「N」: NPN 「P」: PNP	5.Output status 「Non」: Break ON 「B」: Light ON	6.Connection 「Non」: Lead wire 「PE」: PE connector	7.Wire length 「0.5M」: 0.5m 「0.5MPE」: 0.5mPE
--------------------------	---	---------------------------------	---	---	--	---

## Specification / 規格

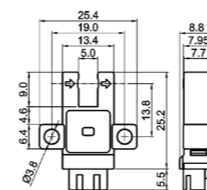
Type (形式)		Connector type				Lead wire type			
Model	型號	SU-H05N□-PE	SU-H05P□-PE	SU-V05N□-PE	SU-V05P□-PE	SU-H05N□	SU-H05P□	SU-V05N□	SU-V05P□
Output method	輸出方式	NPN	PNP	NPN	PNP	NPN	PNP	NPN	PNP
Connection method	接線方式	PE connector 3C/4Φ				Lead wire 3C/3Φ			
Sensing slot	檢測溝槽					5.0mm*9.0mm			
Power supply	工作電壓					5~30VDC			
Output current	輸出電流					50mA max.			
Current consumption	消耗電流					10mA max.			
Output status	輸出狀態					SU- □ 05 □ : NO (Break ON) ; SU- □ 05 □ B : NC (Light ON)			
Emitter	發射光源					Infrared LED			
Response frequency	響應頻率					1K Hz min.			
Min.sensible object	最小檢測物					0.6Φ Opaque object			
Ambient Illumination	耐外亂光					Lamplight : 1,000 Lux min.			
Protection circuit	保護迴路					Short circuit & polarity reversed			
Vibration resistance	耐震動					10~55Hz /1.5mm, 2 hours in X/Y/Z dirctions			
Approval	安規					CE / RoHS			
Housing material	外殼材質					Intensive Nylon (94V0)			
Degree of protection	保護等級					IP-65			
Operating circumstance	工作環境					-25℃ ~ +80℃ ; 35% ~ 85% RH			

## Operation diagram / 操作圖

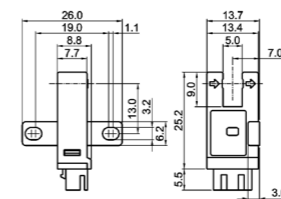
### Connector type

### Lead wire type

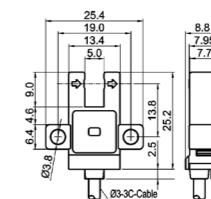
#### SU-H05 □ -PE



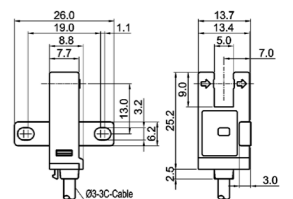
#### SU-V05 □ -PE



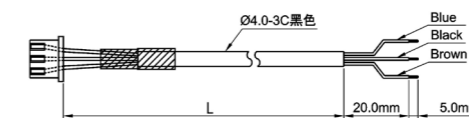
#### SU-H05 □



#### SU-V05 □

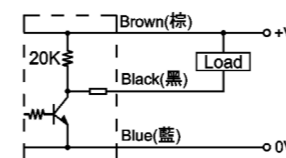


## Connection cable

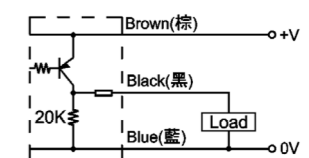


Model	L (m)
0.5MPE	0.5m
2MPE	2m
XMPE	Xm

### NPN



### PNP



### ▲ Notice / 注意事項

- Please assure the correct voltage of power supply.
- Please do not directly expose products to fluorescent lamp or sunlight, to avoid from making malfunction.
- Please do not use products under the oil or chemical environment.
- Please do not clean products with organic solvent such as thinner or strong alkali or acid.

請確認提供正確的電源電壓。  
本系列產品請勿暴露在螢光燈或太陽光直接照射的環境。  
本系列產品請勿使用在有油污或化學氣體的環境。  
本系列產品請勿使用溶劑擦拭，如松香水稀釋劑或強酸強鹼的液體。

