

High Compact Structure 高緊密的結構

- 13.5 (W) X 25.0 (H) X 30.0 (L)

High Protection Class 高防護等級

- IP-67

Long Sensing Distance 長感應距離

- Reflex Type : 30cm , 60cm

反射類型：30厘米・60厘米

- Mirror Reflex Type : 2m

反射鏡類型：2m

- Thru Beam Type : 6m

直通光束類型：6m



General Specification 一般規格

Specification	規格	Data
Operating Voltage	工作電壓	10 ~ 30 VDC ; Ripple < 20% of Peak to Peak
Output Method	輸出方式	NPN & PNP Two Output
Output Status	輸出狀態	NO < Normal Open > , NC Type Available Also
Output Current	輸出電流	150mA max.
Leakage Current	漏電流	0.8mA max.
Residual Voltage	剩餘電壓	0.6V max.
Protection Circuit	保護電路	Short Circuit & Polarity Reversed Protection
Response Time	響應時間	2ms Max.
Sensitivity Adjuster	靈敏度調節器	270° Trimmer
Emitter	發射極	Infrared LED
Illumination	照明	Sunlight < 10,000 Lux. ; Lamplight < 5,000 Lux.
Hysteresis	磁滯現象	10% of Sensing Distance Max.
Housing Material	築屋材料	Case : PBT ; Lens : PC
Operating Temp./Hum.	工作溫度	-20°C ~ +60°C ; 35% ~ 85% RH
Connection Method	連接方式	Lead Wire Type : 4 Cores / 5.0φ X 2m Plug Type : 4 Pins
Model of NC Type	NC型型號	Reflex Type : MR-30XB , MR-30XPB , MR-60XB , MR-60XPB PR-30XB , PR-30XPB , PR-60XB , PR-MXPB Mirror Reflex Type : MG-2MXB , MG-2MXPB , PG-2MXB , PG-2MXPB Thru Beam Type : MT-6MXB , MT-6MXPB , PT-6MXB , PT-6MXPB
Remarks	備註	Water Proof By Expose Filled for IP-67

Reflex Type 反射類型

Type	Lead Wire Type				Plug Type			
Model	MR-30X	MR-30XP	MR-60X	MR-60XP	PR-30X	PR-30XP	PR-60X	PR-60XP
Protection Class	IP-65	IP-67	IP-65	IP-67	IP-65	IP-67	IP-65	IP-67
Sensing Distance	30cm		60cm		30cm		60cm	
Operating Voltage	10~30 VDC ; Ripple < 20% Peak to Peak							
Current Consumption	30mA max.							
Output Method	NPN & PNP Two Way Output							
Output Status	NO < Normal Open >							
Output Current	150mA max.							
Emitter	Infrared LED							
Protection Circuit	Short Circuit & Polarity Reversed Protection							
Weight < Appr. >	78g	84g	78g	84g	12g	18g	12g	18g

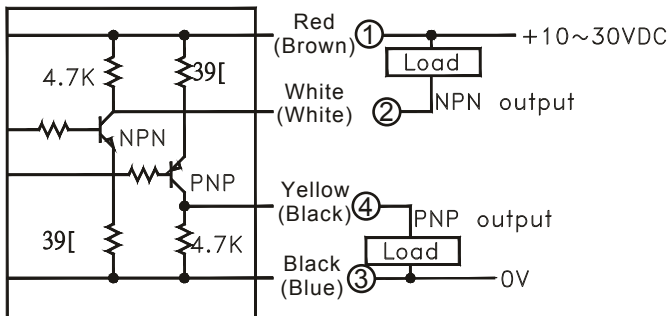
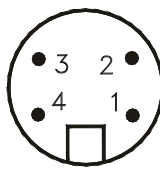
Mirror Reflex Type 反光鏡類型

Type	Lead Wire Type		Plug Type	
Model	MG-2MX	MG-2MXP	PG-2MX	PG-2MXP
Protection Class	IP-65	IP-67	IP-65	IP-67
Sensing Distance	2m			
Operating Voltage	10~30 VDC ; Ripple < 20% Peak to Peak			
Current Consumption	30mA max.			
Output Method	NPN & PNP Two Way Output			
Output Status	NO < Normal Open >			
Output Current	150mA max.			
Emitter	Infrared LED			
Protection Circuit	Short Circuit & Polarity Reversed Protection			
Weight < Appr. >	78g	84g	12g	18g

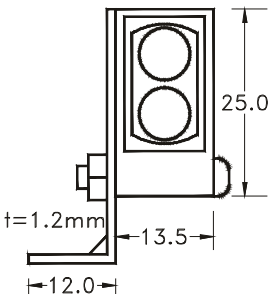
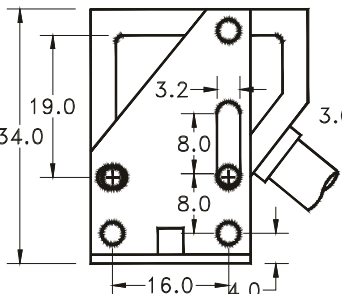
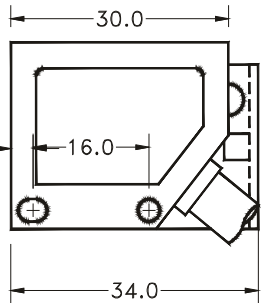
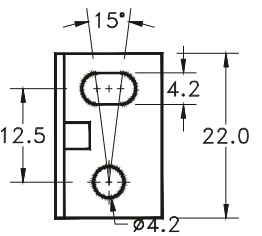
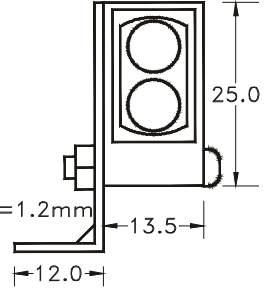
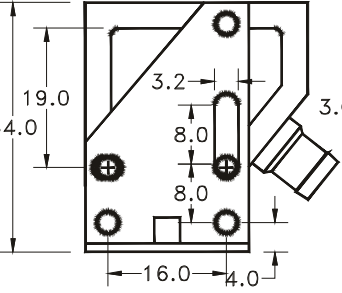
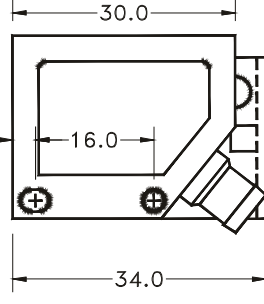
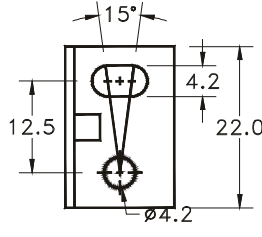
Thru Beam Type 直通光束類型

Type	Lead Wire Type		Plug Type	
Model	MT-6MX	MT-6MXP	PT-6MX	PT-6MXP
Protection Class	IP-65	IP-67	IP-65	IP-67
Sensing Distance	6m		6m	
Operating Voltage	10~30 VDC ; Ripple < 20% Peak to Peak			
Current Consumption	Emitter < 20mA , Receiver < 25mA			
Output Method	NPN & PNP Two Way Output			
Output Status	NO < Normal Open >			
Output Current	150mA max.			
Emitter	Infrared LED			
Protection Circuit	Short Circuit & Polarity Reversed Protection			
Weight < Appr. >	180g	162g	20g	32g

Output Circuit & Connection Diagram 輸出電路圖及接線圖

Lead Wire Type 引線類型	Plug Type 插頭類型
 Red (Brown) ① +10~30VDC White (White) ② NPN output Yellow (Black) ④ PNP output Black (Blue) ③ 0V	 Pin1:+V Pin2:NPN Output Pin4:PNP Output Pin3:0V

Dimension 尺寸

Lead Wire Type 引線類型			
 t=1.2mm 12.0 13.5 25.0	 19.0 34.0 3.2 8.0 8.0 16.0 4.0	 30.0 16.0 34.0 3.0	 15° 12.5 4.2 22.0 ø4.2
Outline	Horizontal Fixed	Vertical Fixed	
Plug Type 插頭類型 M8 X 1.0			
 t=1.2mm 12.0 13.5 25.0	 19.0 34.0 3.2 8.0 8.0 16.0 4.0	 30.0 16.0 34.0 3.0	 15° 12.5 4.2 22.0 ø4.2
Outline	Horizontal Fixed	Vertical Fixed	