

# Capacitive Proximity sensor

## CP series

## 靜電容式 近接感應器

- Sensitivity adjuster : 14 turns trimmer
- High stability with thermal compensated
- Metallic & Non-metallic objects are sensible  
Including Glass, Lumber, oil, water and plastic objects ets.



### ● General data / 共同規格

Type	型式	DC type	AC type	Precaution / 注意事項			
Operating voltage	工作電壓	10-30 VDC	90-250 VAC		Model	D	d $\psi$
Current consumption	耗電流	20 mA max.	1.5 VA max.		CP08	12	24
Response freq	響應頻率	100 Hz	15 Hz		CP12	12	36
Output current	輸出電流	150 mA max.	100 mA max.		CP18	24	48
Leakage current	洩漏電流	0.8 mA max.	2.0 mA max.		CP30	24	60
Residual voltage	洩漏電壓	0.8 V max.		<p><b>* Effects of surrounding metal / 周圍金屬效應</b></p> <p>1&gt; To avoid the sensor may malfunction, Please ground the metal fixed bracket .</p> <p>2&gt; Please be sure to provide a minimum distance as shown in the table.</p> <p>1&gt; 請將靜電容感測器的金屬固定架接地以提高抗干擾能力。</p> <p>2&gt; 靜電容感測器感應面四周不可物體包圍，淨空範圍請參考上圖。</p>			
Protection circuit	保護迴路	Short circuit & Polarity reversed	Surge absorbing				
Target	標準檢測物	Grounded metal plate ( 50*50*1 mm )					
Operating circum	工作環境	-25°C ~ +80°C ; 35% ~ 95% RH					
Protection class	保護等級	IP-67					
Approval	認證	CE & Roh					

### ● Specification / 規格

Outline	Model	Output status	Output method	Sensing distance	Operating voltage	Sensitivity adjuster	Housing material
	CP08-06N	NO	NPN	6.0 mm	10 ~ 30 VDC	Non	PP
	CP08-06NB	NC					
	CP08-06P	NO	PNP				
	CP08-06PB	NC					
	CP12-10N	NO	NPN	10.0 mm	10 ~ 30 VDC	Non	PP
	CP12-10NB	NC					
	CP12-10P	NO	PNP				
	CP12-10PB	NC					
	CP18-30N	NO	NPN	20.0 mm	10 ~ 30 VDC	14 turns trimmer	PP
	CP18-30NB	NC					
	CP18-30P	NO	PNP				
	CP18-30PB	NC					
	CP30-50C	NO	NPN & PNP	30.0 mm	10 ~ 30 VDC	14 turns trimmer	PP
	CP30-50CB	NC					
	CP30-50S	NO	SCR				
	CP30-50SB	NC					

