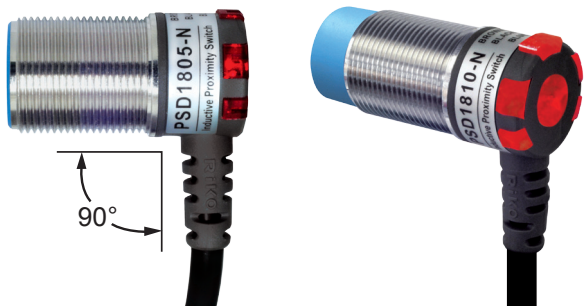


### Characteristic / 特點：

- 90 degree wiring, saving space.  
/ 專利90度出線設計，節省空間。
- Large LED indicator, check the operation clerly.  
/ 大面積動作燈，可清晰了解感測器的動作。
- Anti-bending connection design.  
/ 專利包覆設計，耐彎保護佳。
- Surge suppressor and overload protection .  
/ 突波吸收，負載保護。



| Model / 型號                                                                                                                                                                                                                                      | NPN N.O. / N.C.<br>PNP N.O. / N.C. | PSD1805-NP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PSD1808-NP        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Sensing distance / 檢出距離                                                                                                                                                                                                                         |                                    | 5 mm ±10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8 mm ±10%         |
| Secure sensing distance / 建議距離                                                                                                                                                                                                                  |                                    | 0 ~ 4.0 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0 ~ 6.4mm         |
| Standard sensing object / 標準檢測物                                                                                                                                                                                                                 |                                    | Iron / 鐵 18× 18 × 1 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |
| Sensing type / 檢出方式                                                                                                                                                                                                                             |                                    | Shielded / 隔離型                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Unshielded / 非隔離型 |
| Description / 外型                                                                                                                                                                                                                                |                                    | Standard M18 / 標準M18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |
| Hysteresis / 遲滯                                                                                                                                                                                                                                 |                                    | ≤10 % of sensing distance / 檢測距離的 10 %以下                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |
| Response time / 反應頻率                                                                                                                                                                                                                            |                                    | 600 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |
| Operating voltage / 工作電壓                                                                                                                                                                                                                        |                                    | DC 12 ~ 30 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |
| Current consumption / 消耗電流                                                                                                                                                                                                                      |                                    | ≤ 14 mA no-load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |
| Load current / 負載電流                                                                                                                                                                                                                             |                                    | 100 mA Max. at DC 24V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |
| Residual voltage / 殘餘電壓                                                                                                                                                                                                                         |                                    | ≤ DC 2V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |
| Insulation resistance / 隔離阻抗                                                                                                                                                                                                                    |                                    | 20MΩ min. (DC500V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |
| Voltage withstandability / 絕緣耐壓                                                                                                                                                                                                                 |                                    | AC1000V 60Hz for 60 Sec.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |
| Operating temperature / 工作溫度                                                                                                                                                                                                                    |                                    | -20℃ ~ + 60℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |
| Protection degree / 防水等級                                                                                                                                                                                                                        |                                    | IP 67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |
| Option / 選購配件                                                                                                                                                                                                                                   |                                    | M124R-PVC-2M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |
| Wiring method / 出線方式                                                                                                                                                                                                                            |                                    | Ø5.2x2M/4wires                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |
| Weight / 重量                                                                                                                                                                                                                                     |                                    | 86g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |
| Wiring diagrams / 接線圖                                                                                                                                                                                                                           |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |
| -NP                                                                                                                                                                                                                                             |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |
| <div><div><div>BROWN</div><div>BLACK</div><div>WHITE</div><div>BLUE</div></div><div><div>DC10~30V</div><div>NPN.NO</div><div>PNP.NO</div><div>0V</div></div><div><div>0V</div><div>NPN.NC</div><div>PNP.NC</div><div>DC10~30V</div></div></div> |                                    | <div><div><div>over all length/<br/>本體長: 36.4</div><div>thread length/<br/>螺牙長: 21</div></div><div><div>0.6</div><div>14.8</div></div><div><div>M18 P1</div></div><div><div>90°</div></div><div><div>Flexible<br/>protective tube/<br/>一體成型<br/>耐彎抗拉保護管</div></div><div><div>Ø5.2</div><div>2M Cable / 纜線</div></div><div><div><div></div><div>24</div></div></div></div> <div><div><div>over all length/<br/>本體長: 43.2</div><div>thread length/<br/>螺牙長: 20.9</div></div><div><div>7.5</div><div>14.8</div></div><div><div>M18 P1</div></div><div><div>90°</div></div><div><div>Flexible<br/>protective tube/<br/>一體成型<br/>耐彎抗拉保護管</div></div><div><div>Ø5.2</div><div>2M Cable / 纜線</div></div><div><div><div></div><div>24</div></div></div></div> |                   |