Diffused – Direct Reflection Photoelectric Sensors

**FEATURES:**
- Great Price
- Mating M12S2M... connector with 2 meters of cable included with all connector versions
- Sensitivity adjustment on select units
- Reverse polarity protection
- Protection degree IP65: dust tight and protected against water spray from any direction

<table>
<thead>
<tr>
<th>Output Function</th>
<th>Model</th>
<th>Dimensions: mm</th>
<th>Operating Distance</th>
<th>External Dimensions</th>
<th>Light Source</th>
<th>Power Supply</th>
<th>Power Drain</th>
<th>Voltage Drop</th>
<th>Switching Current (max)</th>
<th>Response Time</th>
<th>Light Immunity</th>
<th>Case</th>
<th>Protection Degree</th>
<th>Operating Temperature</th>
<th>Output Connection</th>
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</thead>
<tbody>
<tr>
<td>NPN NO</td>
<td>PD12M1NOC</td>
<td></td>
<td>10 cm Fixed</td>
<td>M12 x 1</td>
<td>Infrared</td>
<td>10 – 30 Vdc</td>
<td>≤ 20 mA</td>
<td>≤ 2 V</td>
<td>200 mA</td>
<td>&lt;3ms</td>
<td>≤ 10000/ sunlight</td>
<td>Nickel-plated brass</td>
<td>IP 65</td>
<td>- 25 to +55 °C</td>
<td>Connector C*</td>
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<tr>
<td>PNP NO</td>
<td>PD12M1POC</td>
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<td>10 cm Adjustable</td>
<td>M18 x 1</td>
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<td>Plastic</td>
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<tr>
<td>NPN NO+NC</td>
<td>PD18M1NSC</td>
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<td>30 cm Adjustable</td>
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<td>50 cm Adjustable</td>
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**WIRING:**

- NPN, NO
  - Brown
  - Black
  - Blue
- PNP, NO
  - Brown
  - Black
  - Blue
- NPN, NO+NC
  - Brown
  - Black
  - Blue
  - Black

**CONNECTOR**: MALE CONNECTOR C
- 1 = brown
- 2 = white output NC
- 3 = blue
- 4 = black output NO+NC

* Mating connector with 2 meters of cable included with connector versions