Product group W260, Photoelectric reflex switch

WL260-R270
Proximity / Reflex Sensors
Product group W260, Photoelectric reflex switch

Model Name: WL260-R270
Part Number: 6020768

- Universal voltage
- Polarizing filter providing reliable detection even of objects with shiny surfaces
- Terminal chamber
- Relay output, SPDT, time delays
- CE generic emission, standard CE 61000-6-3 ("Residential and Commercial Areas")

Product features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensing range min ... max</td>
<td>0,01 ... 15 m</td>
</tr>
<tr>
<td>Relating to</td>
<td>Reflector PL80A</td>
</tr>
<tr>
<td>Sensitivity adjustment</td>
<td>Potentiometer</td>
</tr>
<tr>
<td>Light source</td>
<td>LED</td>
</tr>
<tr>
<td>Type of light</td>
<td>visible red light</td>
</tr>
<tr>
<td>Light spot diameter</td>
<td>Approx. 300 mm at 10 m distance</td>
</tr>
</tbody>
</table>

Technical data

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>cuboid</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>25 x 78 x 63 mm</td>
</tr>
<tr>
<td>Angle of dispersion</td>
<td>ca. 1.7 °</td>
</tr>
<tr>
<td>Supply voltage min ... max</td>
<td>AC/DC 24 ... 240 V / 12 ... 240 V</td>
</tr>
<tr>
<td>Switching output</td>
<td>Relay 1 x c/o, electrically isolated</td>
</tr>
<tr>
<td>Switching mode</td>
<td>Light-switching</td>
</tr>
<tr>
<td>Power consumption</td>
<td>&lt;= 5 VA</td>
</tr>
<tr>
<td>Switching current max.</td>
<td>3 A/240 V AC; 3 A/30 V DC</td>
</tr>
<tr>
<td>Response time</td>
<td>&lt;= 20 ms</td>
</tr>
<tr>
<td>Switching frequency</td>
<td>25 Hz</td>
</tr>
<tr>
<td>Time delay</td>
<td>OFF delay tOFF: 0.1 ... 10 s, can be connected separately</td>
</tr>
</tbody>
</table>
Connection type: Cable gland
Circuit protection: Vs connections reverse-polarity protected / Interference suppression
Enclosure rating: IP 67
Ambient operation temperature, min ... max: -25 °C ... +55 °C
Ambient storage temperature, min ... max: -40 °C ... +70 °C
Weight: ca. 120 g
Front screen heating: -
Polarisation filter: ✓
Housing material: ABS
Included with delivery: Mounting bracket BEF-W260 and reflector P250

Dimensional drawing
Adjustment possible

Connection type
Connection diagram

Operating reserve
### Sensing range diagram

<table>
<thead>
<tr>
<th>Reflector type</th>
<th>Operating range</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL 80 A</td>
<td>0.01 – 13.0 m</td>
</tr>
<tr>
<td>P 250</td>
<td>0.01 – 10.0 m</td>
</tr>
<tr>
<td>PL 50 A or PL 40 A</td>
<td>0.01 – 11.5 m</td>
</tr>
<tr>
<td>PL 30 A or PL 31 A</td>
<td>0.01 – 8.5 m</td>
</tr>
<tr>
<td>PL 20 A</td>
<td>0.01 – 6.5 m</td>
</tr>
<tr>
<td>Reflective tape Diamond Grade</td>
<td>0.02 – 5.3 m</td>
</tr>
</tbody>
</table>

![Sensing range diagram](image_url)
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