### Capacitive sensors DC

- 4-wire 20 mm body
- M12 connector type
- N/O & N/C complimentary
- ESD protected

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PNP (complimentary)</strong></td>
<td>CPU-010V-ETN</td>
<td>Wiring 4-wire</td>
</tr>
<tr>
<td><strong>NPN (complimentary)</strong></td>
<td>CNU-010V-ETN</td>
<td>Rated operational voltage 7 to 30 DC V</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td>unshielded</td>
<td>Rated operational current 350 mA</td>
</tr>
<tr>
<td><strong>Rated operating distance Sn</strong></td>
<td>10 mm</td>
<td>Utilisation category DC 13</td>
</tr>
<tr>
<td><strong>Repeatability</strong></td>
<td>≤ 10 %</td>
<td>Impulse voltage withstand 1 kV 1.2 / 50 µs V</td>
</tr>
<tr>
<td><strong>Function indication</strong></td>
<td>yes</td>
<td>Inrush current 1.5 A</td>
</tr>
<tr>
<td><strong>Ambient temperature range</strong></td>
<td>-25 °C to +70 °C</td>
<td>Frequency of operating cycles 10 Hz</td>
</tr>
<tr>
<td><strong>Pollution degree</strong></td>
<td>3</td>
<td>Minimum operational current ≤ 0.01 mA</td>
</tr>
<tr>
<td><strong>Time delay before availability</strong></td>
<td>≤ 22 ms</td>
<td>No-load supply current ≤ 8 / 8 mA</td>
</tr>
<tr>
<td><strong>Housing size</strong></td>
<td>20 mm</td>
<td>Off-state current ≤ 100 µA</td>
</tr>
<tr>
<td><strong>Housing material</strong></td>
<td>PBT</td>
<td>Voltage drop ≤ 1 V</td>
</tr>
<tr>
<td><strong>Degree of protection</strong></td>
<td>IP 67</td>
<td>Short circuit protection yes (pulsed)</td>
</tr>
<tr>
<td><strong>Connection</strong></td>
<td>4pin M12 connector</td>
<td>Reverse polarity protection yes</td>
</tr>
<tr>
<td><strong>Current type</strong></td>
<td>DC</td>
<td></td>
</tr>
</tbody>
</table>

**General Note** This datasheet does not give any information on product availability. The information given is just meant to describe the product and is not to be considered as guaranteed characteristics in the legal sense. All products are subject to design changes in the interest of further technical development. Copyright: AB Elektronik GmbH (GER) • Email: info@abelektronik.de

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