### Package family

**T9-311**
- 12A
- For all basic types T9-311C-12

### Date

See below

### Version

See below

### Composition part

<table>
<thead>
<tr>
<th>Composition part</th>
<th>Material group</th>
<th>Materials</th>
<th>CAS if applicable</th>
<th>Average mass [weight-%] *)</th>
<th>Sum [%]</th>
<th>Traces</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case / Cap / R-Button</td>
<td>Polymer</td>
<td>PA66</td>
<td>25038-54-4</td>
<td>47.1</td>
<td>47.1</td>
<td></td>
</tr>
<tr>
<td>Metal parts</td>
<td>Metal</td>
<td>Copper Cu</td>
<td>7440-50-8</td>
<td>31.9</td>
<td>52.9</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Zinc Zn</td>
<td>7440-66-6</td>
<td>17.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Iron Fe</td>
<td>7439-89-6</td>
<td>2.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nickel Ni</td>
<td>7440-02-0</td>
<td>1.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead Pb</td>
<td>7439-92-1</td>
<td>0.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sum in total: 100

### Weight range

11.3 gr

### Fluctuation margin

n/a

### Case sizes**) and weight range

n/a

*) related to package weight; weight in particular, see corresponding package weight list

**) optional

### Important remarks:

1) Traces are product parts, substances etc. that are below a percentage of 0.1 % (1000ppm) by weight. Higher limits are accepted if the substance or material is legally regulated (see note no. 2).

2) REACH legislation, annex XVII contains a list of legal restrictions on substances or materials and is available at http://echa.europa.eu/web/guest/addressing-chemicals-of-concern/restrictions/list-of-restrictions

3) Substances, materials etc. with possible harmful effects on human beings and the environment are listed.

4) There are no risks for human beings and to the environment if products are properly used as designated. This shall not apply to risks caused during procedures for disposal etc.

5) All statements herein are based on our present knowledge. If our products are used properly, there are no risks to human beings and/or the environment.

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This Product Content Sheet has been established according to Umbrella Specs, an initiative of the German Electrical and Electronic Manufacturer’s Association (ZVEI). Reference: http://www.zvei.org/fachverbaende/electronic_components_and_systems/material_content_data