Environmental Information

The purpose of this document is to support the compilation of mandatory environmental information requested in the procedure for Industrial IT Enabled level 0.

The document is applicable to all hardware products.

<table>
<thead>
<tr>
<th>Product name</th>
<th>Circuit Breaker S800S, S800N, S800C, S800B, S800U, S800HV, S800PV, S800-AUX/ALT, S800-SOR130</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABB Identity number</td>
<td>2CCxxxxxxxRxxxx</td>
</tr>
<tr>
<td>Information provided by</td>
<td>Torsten Edler</td>
</tr>
<tr>
<td>(Name and e-mail address)</td>
<td><a href="mailto:torsten.edler@ch.abb.com">torsten.edler@ch.abb.com</a></td>
</tr>
<tr>
<td>Business area</td>
<td>Low Voltage Products - EPBP</td>
</tr>
<tr>
<td>Date</td>
<td>October 2017</td>
</tr>
</tbody>
</table>

1. Related documents

- Industrial IT Architecture - Introduction and Definitions, 3BSE023904
- Industrial IT Certification Overview, 3BSE023905
- Industrial IT Certification Guideline, 3BSE024526
- Industrial IT Enabled Level 0 - Information, Introduction and Definitions, 3BSE025934

Group Function Sustainability Affairs
2. Environmental Information

2.1 Content of hazardous materials

Declaration of the presence of hazardous materials in the product. Printed circuit boards are declared separately under 2.1.1 and are excluded from the declaration in the table below.

<table>
<thead>
<tr>
<th>Material</th>
<th>Example application</th>
<th>Yes</th>
<th>No</th>
<th>Quantity/unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>Batteries, cables</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Cadmium</td>
<td>Batteries, switches, additive in lead</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Mercury</td>
<td>Batteries, switches</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Beryllium</td>
<td>Contact springs</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Hexavalent chromium</td>
<td>Coatings</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Polybrominated biphenyls or diphenyl ethers, e.g. PBB, PBDE</td>
<td>Additive in plastics or rubber</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>HCFCs, e.g: R 22, R 123, R 141b</td>
<td>Cooling media</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Sulphurhexafluoride, SF6</td>
<td>Breakers</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Polyvinyl chloride, PVC</td>
<td>Cables</td>
<td></td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

2.1.1 Printed circuit boards

Specification of the amount of printed circuit boards used in the product by declaration of the total board surface:

- ☐ < 1 dm²
- ☐ 1-10 dm²
- ☐ > 10 dm²
- ☑ No printed circuit boards used in the product

Group Function Sustainability Affairs
2.2 Recycling information

Is recycling information available for the product?

☐ Yes Reference document: ..............................................................
☒ No

If No, the table below specifies the component / part / physical position where the material is present:

<table>
<thead>
<tr>
<th>Material</th>
<th>Component / part / physical position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td></td>
</tr>
<tr>
<td>Cadmium</td>
<td></td>
</tr>
<tr>
<td>Mercury</td>
<td></td>
</tr>
<tr>
<td>Beryllium</td>
<td></td>
</tr>
<tr>
<td>Hexavalent chromium</td>
<td></td>
</tr>
<tr>
<td>PBB, PBDE</td>
<td></td>
</tr>
<tr>
<td>HCFC</td>
<td></td>
</tr>
<tr>
<td>Sulphurhexafluoride</td>
<td></td>
</tr>
<tr>
<td>Polyvinyl chloride</td>
<td></td>
</tr>
</tbody>
</table>

2.3 Energy use and / or losses during the operation of the product

Are operational energy use and / or losses of the product specified in the product documentation?

☒ Yes Reference document: Product Data Sheet
☐ No
☐ Not relevant