Product Conformity & Compliance

REACH and SVHC (Regulation EC 1907/2006)
With reference to the Regulation (EC) No. 1907/2006 issued by the European Union for the Registration, Authorization and Restriction of Chemicals (REACH), please be aware that:

- During normal and reasonably foreseeable conditions of use, OT switch disconnectors manufactured by ABB Oy, Smart Power do not internationally release any substance or preparation;
- ABB Oy, Smart Power continuously undertake communication throughout its supply chain in order to collect information about suppliers’ compliance with REACH regulation.

OT switch disconnectors were classified as Articles and during normal reasonably foreseeable conditions of use, do not internationally release any substance or preparation.

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Product Conformity & Compliance

**RoHs and RoHs II**
OT are not within Directive 2002/95/EC (RoHs) scope. It is still not clear if they will be within the scope of Directive 2011/65/EU (RoHS II), whose provisions, in any case, will be mandatory starting from July 2019.

However, according to our best knowledge, OT switch disconnectors do not contain any of the restricted substances listed into RoHS and RoHS II directives.

**SVHC (Regulation EC 1907/2006 REACH)**
ABB Oy, Smart Power continuously assesses its products for content of Substances of Very High Concern (SVHC), as included in the “Candidate List” by the European Chemicals Agency (ECHA). According to our best knowledge, OT switch disconnectors do not contain SVHC substances exceeding 0.1% w/w.

**WEEE**
OT switch disconnectors are compliant and in the scope Waste of Electrical and Electronics equipment (WEEE) Directive 2012/19/EU.

**Product Safety**
Certification of conformity with the product standards is carried out in the SGS Fimko.
The product has been tested according to standards:
- IEC/EN60947-1
- IEC/EN60947-3

Directives:
- “Low Voltage Directive” (LDV) 2014/35/EC
- “Electromagnetic Compatibility Directive” (EMC) 2014/30/EC
Packaging

The total weight for OT600-800_3 pole model packing material is 0,4 kg. The polyethylene plastic films and cardboard are used in the packaging materials, which are recyclable.

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Material declaration

The charts below the constituents of OT600-800_ switches. The constituent materials are distributed as follows.

---

Material declaration

<table>
<thead>
<tr>
<th>Material</th>
<th>3-pole switch Weight (kg)</th>
<th>Pole Weight (kg)</th>
<th>Mechanism Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE</td>
<td>1,60</td>
<td>0,699</td>
<td>-</td>
</tr>
<tr>
<td>Cu</td>
<td>1,01</td>
<td>0,335</td>
<td>0,007</td>
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<tr>
<td>PA</td>
<td>0,77</td>
<td>0,126</td>
<td>0,364</td>
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<tr>
<td>Zn</td>
<td>0,76</td>
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<td>Fe</td>
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<td>0,019</td>
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</tr>
<tr>
<td>PC</td>
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<td>0,032</td>
<td>0,036</td>
</tr>
<tr>
<td>Al</td>
<td>0,03</td>
<td>-</td>
<td>0,035</td>
</tr>
<tr>
<td>Ag</td>
<td>0,004</td>
<td>0,002</td>
<td>-</td>
</tr>
</tbody>
</table>

---

The total weight of the products

OT600-800, 2 pole 4,0 Kg
OT600-800, 3 pole 5,2 Kg
OT600-800, 4 pole 6,4 Kg

---

Packaging

The total weight for OT600-800_3 pole model packing material is 0,4 kg. The polyethylene plastic films and cardboard are used in the packaging materials, which are recyclable.
Product use

Energy
Power loss for OT600U_ is 40W per pole, for OT630E_ is 25W per pole and for OT800E_ is 40W per pole.

Energy consumption during the use of OT600-800_ has been estimated assuming 10 years when operated 3650 hours per year (10 hours per day), load factor 70%.

Energy consumption:
- OT600U_: 3066 kWh
- OT630E_: 1916 kWh
- OT800E_: 3066 kWh

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ABB Oy
Smart Power
P.O. Box 622
FI-65101 Vaasa, Finland
www.abb.com

Find the address of your local sales organization on the ABB homepage:

www.abb.com/contacts
> Low Voltage Products and Systems