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 use, OTDC switch disconnectors manufactured by ABB Oy, Smart Power do not internationally release any substance or preparation;
- ABB Oy, Smart Power continuously assessment.

ABB Oy, Smart Power continuously undertake communication throughout its supply chain in order to collect information about suppliers’ compliance with REACh regulation.

**Product environmental information**

Switch-disconnectors,

OTDC1000/OTDC1250/OTDC1600

OTDC800U/OTDC1000U

**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 use, OTDC switch disconnectors manufactured by ABB Oy, Smart Power do not internationally release any substance or preparation;
- ABB Oy, Smart Power continuously assessment.

OTDC switch disconnectors were classified as Articles and during normal reasonably foreseeable conditions of use, 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.
**Product Conformity & Compliance**

**RoHs and RoHs II**
OTDC 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, OTDC 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, OTDC switch disconnectors do not contain SVHC substances exceeding 0.1% w/w.

**WEEE**
OTDC 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
Material declaration

The charts below the constituents of OTDC1000-1600E_ switches. The constituent materials are distributed as follows.

<table>
<thead>
<tr>
<th>Material</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cu</td>
<td>9.0691</td>
</tr>
<tr>
<td>PE</td>
<td>5.5360</td>
</tr>
<tr>
<td>Fe</td>
<td>3.1561</td>
</tr>
<tr>
<td>PA</td>
<td>1.4443</td>
</tr>
<tr>
<td>Zn</td>
<td>0.8967</td>
</tr>
<tr>
<td>St Fe</td>
<td>0.4154</td>
</tr>
<tr>
<td>PC</td>
<td>0.1052</td>
</tr>
<tr>
<td>Al</td>
<td>0.0376</td>
</tr>
<tr>
<td>Ag</td>
<td>0.0161</td>
</tr>
</tbody>
</table>

Packaging

The total weight for OTDC1000-1600E_4 pole switches is 21 kg. The polyethylene plastic films and cardboard are used in the packaging materials, which are recyclable.
**Product use**

**Energy**
Power loss for OTDC1000 is 22W per pole, OTDC1250 is 35W per pole and for OTDC1600 is 58W per pole.

Energy consumption during the use of OT1000-1600E has been estimated assuming 10 years when operated 3650 hours per year (10 hours per day), load factor 70%.

Energy consumption:
- OTDC1000: 2248.4 kWh
- OTDC1250: 3577.0 kWh
- OTDC1600: 5927.6 kWh