

SMART POWER

Product environmental information

Switch-disconnector, OT600U/630E/800E

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

OT 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

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

Material declaration

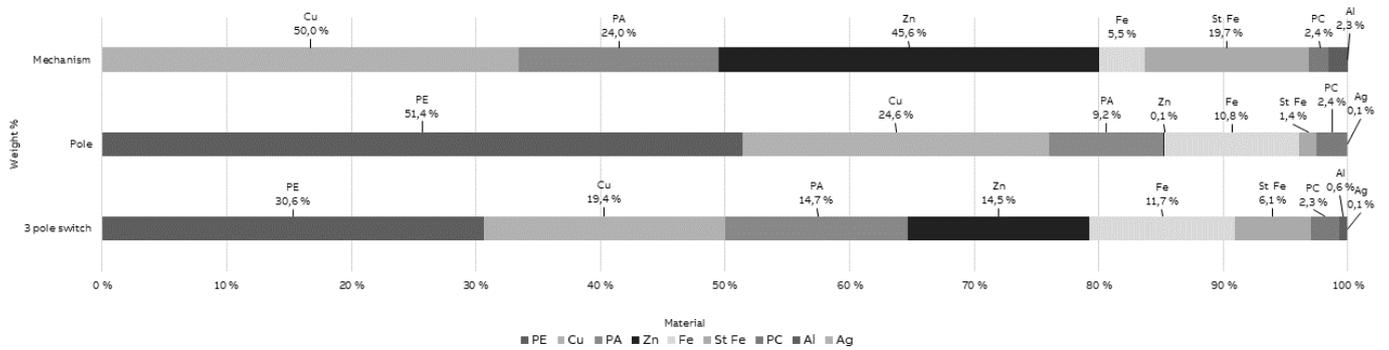
The charts below the constituents of OT600-800_ switches. The constituent materials are distributed as follows.

Material declaration

Material	3-pole switch Weight (kg)	Pole Weight (kg)	Mechanism Weight (kg)
PE	1,60	0,699	-
Cu	1,01	0,335	0,007
PA	0,77	0,126	0,364
Zn	0,76	0,001	0,693
Fe	0,61	0,147	0,083
St Fe	0,32	0,019	0,300
PC	0,12	0,032	0,036
Al	0,03	-	0,035
Ag	0,004	0,002	-

The total weight of the products

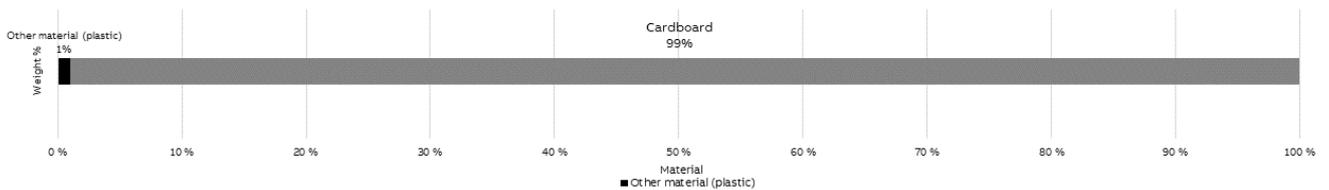
OT600-800, 2 pole	4,0 Kg
OT600-800, 3 pole	5,2 Kg
OT600-800, 4 pole	6,4 Kg



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.

Packaging



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

ABB Oy

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

www.abb.com/contacts

> **Low Voltage Products and Systems**