

## Product environmental information

### Switch-disconnector, OT63/80



## 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, Protection and Connection do not internationally release any substance or preparation;
- ABB Oy, Protection and Connection 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, Protection and Connection continuously undertake communication throughout its supply chain in order to collect information about suppliers' compliance with REACH regulation.

### 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, Protection and Connection 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 not included in the scope of Directive 2002/96/EC (1st version), thus they are also excluded from the new Directive version (2012/19/EU), at least up to August 14th 2018.

## 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 OT63-80\_ switches. The constituent materials are distributed as follows.

The total weight of the products is the follows:

OT63-80F\_ 3 pole switches: 0,27 kg

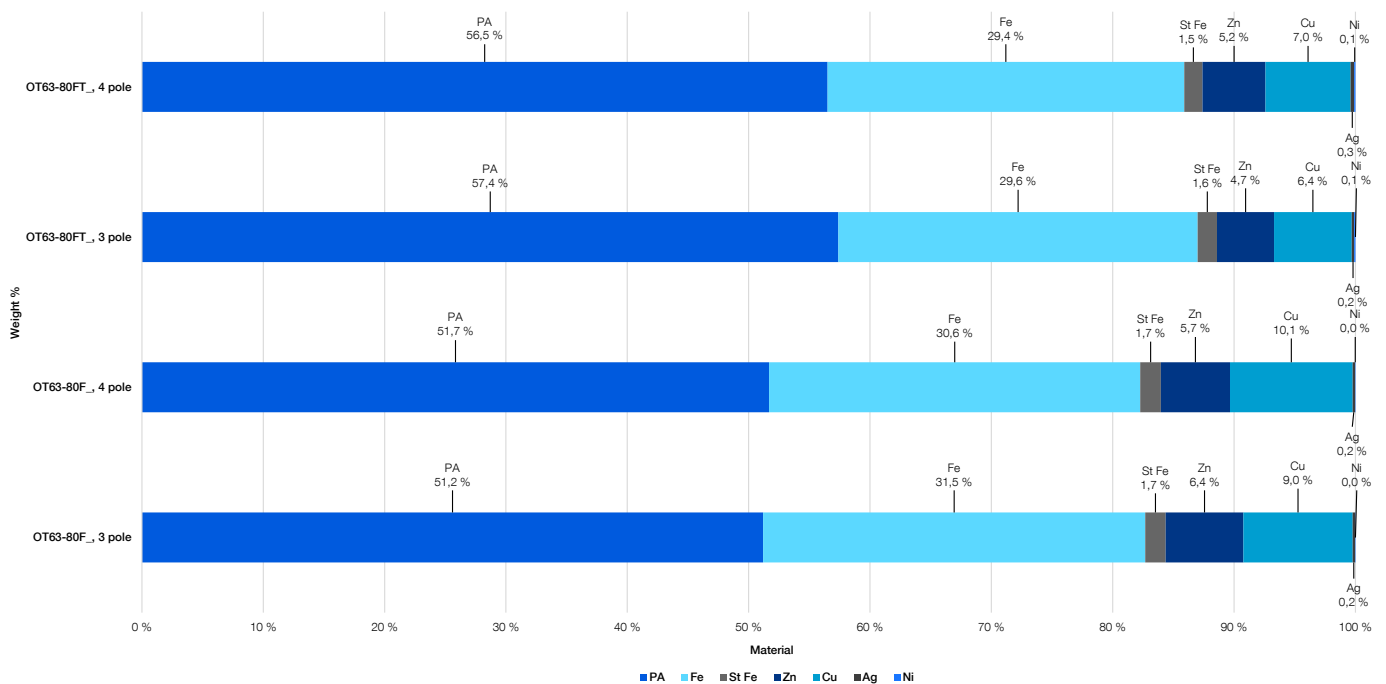
OT63-80F\_ 4 pole switches: 0,30 kg

OT63-80FT\_ 3 pole switches: 0,28 kg

OT63-80FT\_ 4 pole switches: 0,35 kg

	OT63-80F_ 3 pole	OT63-80F_ 4 pole	OT63-80FT_ 3 pole	OT63-80FT_ 4 pole
<b>Material</b>	<b>Weight (g)</b>	<b>Weight (g)</b>	<b>Weight (g)</b>	<b>Weight (g)</b>
PA	139,4	161,4	163,8	199,8
Fe	85,7	95,5	84,5	104,1
Cu	24,6	31,4	18,1	24,8
Zn	17,3	17,7	13,5	18,2
St Fe	4,7	45,4	4,7	5,4
Ag	0,7	0,8	0,7	1,0
Ni	0,1	0,1	0,1	0,1

## Material declaration



## Packaging

The total weight for OT63-80\_3 pole model packing material is 10 g. The cardboard are used in the packaging materials, which are recyclable.

→ 100 % Cardboard

## Product use

### Energy

Power loss for OT63\_ is 2,8 W per pole and for OT80\_ is 4,5W per pole.

Energy consumption during the use of OT63-80\_ has been estimated assuming 10 years when operated 3650 hours per year (10 hours per day), load factor 70%.

### Energy consumption:

OT63: 215 kWh

OT80: 345 kWh

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