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PROTECTION AND CONNECTION

# Product environmental information

## XRM00, XRM1, XRM2, XRM3



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## Product conformity and compliance

### RoHs and RoHs II

XRM Switch Disconnecter Fuses 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.

### 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, XRM Switch Disconnecter Fuses do not contain SVHC substances exceeding 0.1% w/w.

### WEEE

XRM Switch Disconnecter Fuses are compliant and in the scope Waste of Electrical and Electronics equipment (WEEE) Directive 2012/19/EU.

### Product Safety

The product has been tested according to standards:

IEC/EN60947-1

IEC/EN60947-3

Directives:

"Low Voltage Directive" (LDV) 2006/95/EC

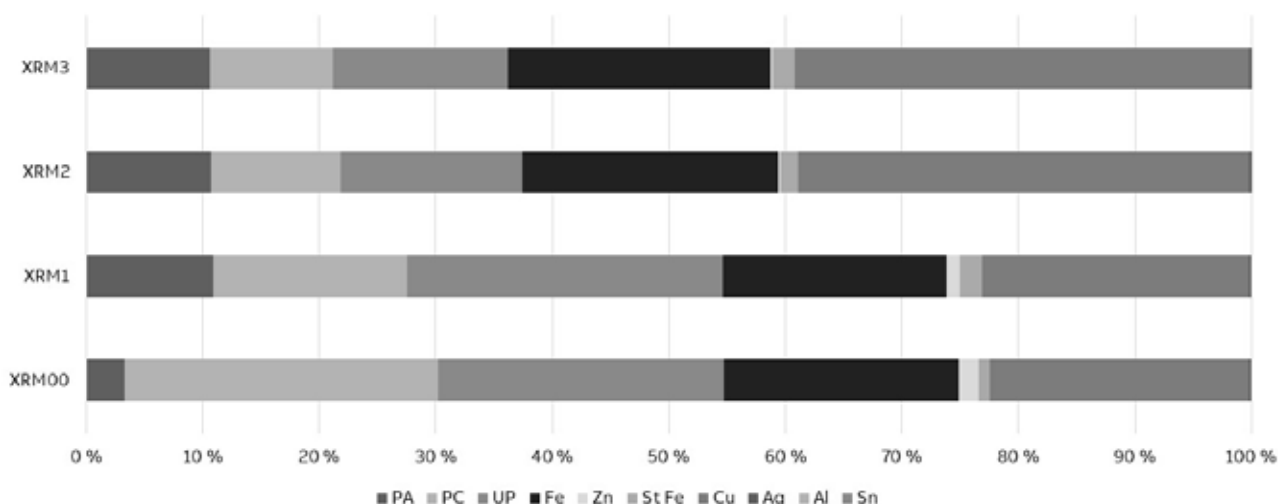
"Electromagnetic Compatibility Directive" (EMC) 2004/108/EC

## Material declaration

The charts below the constituents of OH\_ selector handles. The constituent materials are distributed as follows.

### Material declaration

Material	XRM00 kg	XRM1 kg	XRM2 kg	XRM3 kg
PA	0,1152	0,6981	1,5780	1,6358
PC	0,9413	1,0648	1,6397	1,6397
UP	0,8600	1,7380	2,3090	2,3130
Fe	0,7088	1,2309	3,2467	3,4807
Zn	0,0584	0,0788	0,0308	0,0338
St Fe	0,0306	0,1233	0,2271	0,2966
Cu	0,7832	1,4702	5,7208	6,0341
Ag	0,0065	0,0107	0,0203	0,0218
Al	-	-	0,0013	0,0013
Sn	-	-	0,0017	0,0017
The total weight of the products with accessories	3,6 kg	6,8 kg	15,0 kg	15,4 kg



### Packaging

The polyethylene plastic films and cardboard are used in the packaging materials, which are recyclable.

### Product use

#### Energy

Power losses per all three phases with rated current but without fuses in XRM00 is 43 W, in XRM1 is 78 W, in XRM2 is 158 W and in XREM is 357 W.

Energy consumption during the use of XRM00, XRM1, XRM2 and XRM3 have been estimated assuming 10 years when operated 3650 hours per year (10 hours per day), load factor 70%.

XRM00: 1100 kWh

XRM1: 1990 kWh

XRM2: 4040 kWh

XRM3: 9120 kWh



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