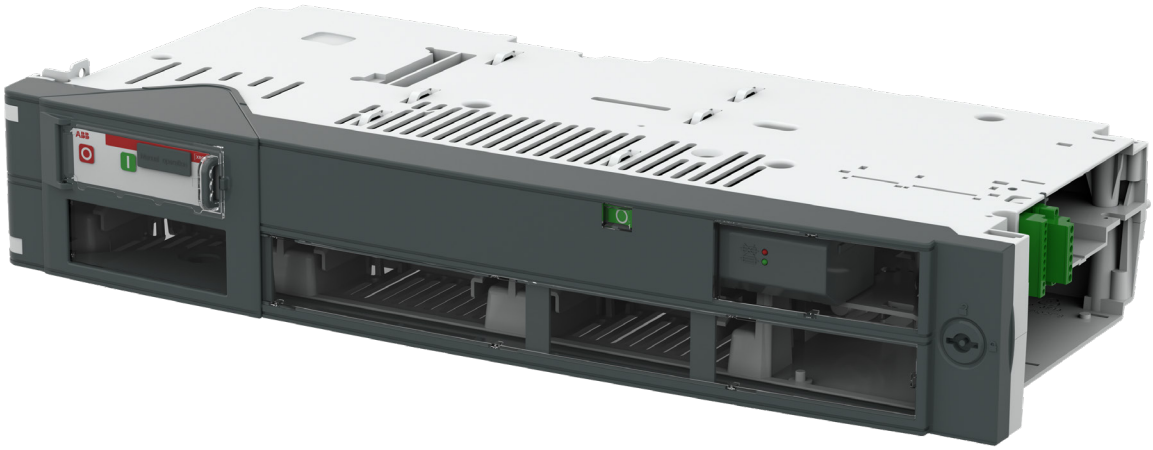

SMART POWER

Product environmental information

XRG00, XRG1, XRG2, XRG3

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, XRG Fuse Switch Disconnectors manufactured by ABB Oy, Smart Power do not internationally release any substance or preparation;
- ABB Oy, Smart Power continuously assessment

XRG Fuse 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
RoHs and RoHs II
Based on the information provided by our suppliers, and to the best of our knowledge, ABB Oy Smart Power designates that the XRG Fuse Switch Disconnectors are RoHS Compliant and conform to Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) amended by the EU Directive 2015/863.

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, XRG Fuse Switch Disconnectors do not contain SVHC substances exceeding 0.1% w/w.

WEEE
XRG Switch Disconnector 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 XRG Switch Disconnector Fuses. The constituent materials are distributed as follows.

The total weight of the products are the follows:

XRG00, 3,5-3,7 kg (2 pole); 3,6-4,9 kg (3 pole); 5,4-6,5 kg (4 pole)
XRG1: 6,3-6,6 kg (2 pole); 6,8-8,1 kg (3 pole); 8,5-9,9 kg (4 pole)
XRG2: 13,5-14,8 kg (2 pole); 15,4-17,7 kg (3 pole); 17,6-19,9 kg (4 pole)
XRG3: 13,6-15,0 kg (2 pole); 15,5-18,1 kg (3 pole); 17,8-20,1 kg (4 pole)

XRG00, 3 pole

Material	Weight (kg)	Weight (%)
PA	0,1152	3,3
PC	0,9819	28,5
UP	0,8590	24,9
Fe	0,6102	17,7
Zn	0,0691	2,0
St Fe	0,5664	1,6
Cu	0,7492	21,7
Ag	0,0088	0,3

XRG1, 3 pole

Material	Weight (kg)	Weight (%)
PA	1,0155	15,2
PC	0,9439	14,2
UP	1,0050	15,1
Fe	1,1569	17,4
Zn	0,7764	11,7
St Fe	0,1609	2,4
Cu	1,5880	23,8
Ag	0,0137	0,2

XRG2, 3 pole

Material	Weight (kg)	Weight (%)
PA	1,2718	8,3
PC	1,4874	9,7
UP	2,3130	15,1
Fe	3,2487	21,3
Zn	0,0343	0,2
St Fe	0,2449	1,6
Cu	6,6604	43,6
Ag	0,0290	0,2

Material declaration

XRG3, 3 pole

Material	Weight (kg)	Weight (%)
PA	1,3315	8,6
PC	1,6597	10,7
UP	2,3130	15,0
Fe	3,2713	21,2
Zn	0,0334	0,2
St Fe	0,2930	1,9
Cu	6,5280	42,2
Ag	0,0266	0,2
Sn	0,0009	0,006

CAS numbers

Polyamide PA	25038-54-4
Polycarbonate PC	25766-59-0
Stainless Steel St Fe	12597-68-1
Steel Fe	12597-69-2
Zinc Zn	7440-66-6
Copper Cu	7440-50-8
Silver Ag	7440-22-4
Polyester resin UP	142540-48-5
Tin Sn	7440-31-5

Packaging

The cardboard is used in the packaging materials, which are recyclable.

Product use

Energy

Power losses per all three phases with rated current but without fuses in XRG00 is 33 W, in XRG1 is 70 W, in XRG2 is 100 W and in XRG3 is 245 W.

Energy consumption without fuses during the use of XRE Switch Disconnector Fuses have been estimated assuming 10 years when operated 3650 hours per year (10 hours per day), load factor 70%.

XRG00: 843 kWh
XRG1: 1789 kWh
XRG2: 2555 kWh
XRG3: 6260 kWh

Notes

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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

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