



Doc. no. 1SDL000142R0001
Rev. ind. 4
Date 15-04-2011
From Antonio Di Vaira
Dept. ITSCE/LB-DTS
Phone +39 35 395313
Fax +39 35 395237
E-mail antonio.di_vaira@it.abb.com

Environmental Information

Product name	Protect IT Switch Disconnecter X1 Protect IT Switch Disconnecter E1 Protect IT Switch Disconnecter E2 Protect IT Switch Disconnecter E3 Protect IT Switch Disconnecter E4 Protect IT Switch Disconnecter E6
ABB Identity number	1SDA 0 xxxxx R1 xxxxx = see technical catalogue
Information provided by (Name and e-mail address)	Antonio Di Vaira antonio.di_vaira@it.abb.com
Business area	LPBS
Date	15 April 2011

1. Related documents

Industrial ^{IT} Architecture - Introduction and Definitions, 3BSE023904

Industrial ^{IT} Certification Overview, 3BSE023905

Industrial ^{IT} Certification Guideline, 3BSE024526

Industrial ^{IT} Enabled Level 0 - Information, Introduction and Definitions, 3BSE025934

Emax Technical Catalogue ITSCE-1SDC200006D0201, ITSCE-1SDC200009D0201 and subsequent revisions

Ref documents:

http://inside.abb.com/The_Insider/Featured_Portals/Industrial_IT_Deployment/06_Product_Certification/Document_Library

2. Template for Environmental Information

2.1 Content of hazardous materials

Declare the presence of hazardous materials in the product. Printed circuit boards are declared separately under 2.1.1 and should be excluded from the declaration in the table below.

Material	Example application	Yes	No
Lead	Batteries, cables		X (1)
Cadmium	Batteries, switches, additive in lead		X
Mercury	Batteries, switches		X
Beryllium	Contact springs		X
PBB, PBDE	Additive in plastics or rubber		X
Brominated flame retardants excluding PBB and PBDE	Additive in plastics or rubber	X	
HCFCs, e.g: R 22, R 123, R 141b	Cooling media		X
SF6, sulphurhexafluoride	Breakers		X
Polyvinyl chloride, PVC	Cables		X

(1) Small amounts of Lead may be contained as alloy element as for RoHS exemption #6 or within electronic components (several RoHS exemptions).

2.1.1 Printed circuit boards

Specify the amount of printed circuit boards used in the product by declaring the total board surface:

- < 1 dm²
 1-10 dm²
 > 10 dm²
 No printed circuit boards used in the product

Doc. no. 1SDL000142R0001

Rev. ind. 4

Date 15-04-2011

2.2 Recycling information

Is recycling information for the product available?

Yes Ref. Document: 1SDH000786R0001

No

If No, please specify, in the table below, the component/part/physical position where the material is present:

Material	Component/part/physical position
Lead	
Cadmium	
Mercury	
Beryllium	
Brominated flame retardants	Plastic parts composed of thermoplastic polymers
HCFCs	
SF6, sulphurhexafluoride	
Polyvinyl chloride, PVC	Cables

2.3 Energy use and/or losses during the operation of the product

Is energy use and/or losses during operation of the product specified in the product documentation?

Yes Ref. Document: technical catalogue

No

Not relevant

2.4 RoHS

The products are not in the scope of the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS) directive, anyway they follow the provisions of the RoHS Directive as amended by subsequent modifications and integrations.