



Doc. no. 1SDL000145R0001  
Rev. ind. 4  
Date 15-04-2011  
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## Environmental Information

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

### 1. Related documents

Industrial <sup>IT</sup> Architecture - Introduction and Definitions, 3BSE023904  
Industrial <sup>IT</sup> Certification Overview, 3BSE023905  
Industrial <sup>IT</sup> Certification Guideline, 3BSE024526  
Industrial <sup>IT</sup> Enabled Level 0 - Information, Introduction and Definitions, 3BSE025934  
Emax Technical Catalogue ITSCE-1SDC200009D0201, 1SDC200006D0201 and subsequent revisions

*Ref documents:*

[http://inside.abb.com/The\\_Insider/Featured\\_Portals/Industrial IT Deployment/06 Product Certification/Document Library](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:<br>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 (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 dm<sup>2</sup>
- 1-10 dm<sup>2</sup>
- > 10 dm<sup>2</sup>
- No printed circuit boards used in the product

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## 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.