



Doc. no. 1SDL000143R001
Rev. ind. 4
Date 13-04-2011
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Environmental Information

| | |
|--|---|
| Product name | Protect IT Moulded Case Circuit Breaker T2 Protect IT Moulded Case Circuit Breaker T4 Protect IT Moulded Case Circuit Breaker T5 Protect IT Moulded Case Circuit Breaker T6 (all versions with electronic release) |
| 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 | 13 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

SACE Tmax Technical Catalogue ITSCE-1SDC210015D0901 and 1SDC210015D0201 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 (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

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2.2 Recycling information

Is recycling information for the product available?

Yes Ref. Document: 1SDH000920R0001

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 | |
| HCFCs | |
| SF6, sulphurhexafluoride | |
| Polyvinyl chloride, PVC | |

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.