



Doc. no. 1SBD250169E1000
Rev. ind. A
Date 2013-08-07
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Environmental Information

The purpose of this document is to provide environmental information requested in the procedure for Industrial ^{IT} Enabled level 0.

| | |
|--|---|
| Product name | LF38-4 / LH38-4 / LF16-4/ LG16-4/ LD38-4 |
| ABB FRANCE Identity number | 1SBN072305R1000 1SBN072304R1000 1SBN071305R1000 1SBN071306R1000 1SBN072308R1000 |
| Information provided by (Name and e-mail address) | Gaelle Frier gaelle.frier @fr.abb.com |
| Business area | Low Voltage Products - |
| Date | August 2013 |

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

Ref documents:

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

Group Function Sustainability Affairs

2. 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 | Quantity/unit <i>Optional</i> ⁽¹⁾ |
|--|---------------------------------------|-----|-------------------------------------|---|
| Lead | Batteries, cables | | <input checked="" type="checkbox"/> | |
| Cadmium | Batteries, switches, additive in lead | | <input checked="" type="checkbox"/> | |
| Mercury | Batteries, switches | | <input checked="" type="checkbox"/> | |
| Beryllium | Contact springs | | <input checked="" type="checkbox"/> | |
| Brominated flame retardants, e.g: PBB, PBDE, TBBPA | Additive in plastics or rubber | | <input checked="" type="checkbox"/> | |
| HCFCs, e.g: R 22, R 123, R 141b | Cooling media | | <input checked="" type="checkbox"/> | |
| SF6, sulphurhexafluoride | Breakers | | <input checked="" type="checkbox"/> | |

(1) Strive to declare the quantity. This is optional, however, since it is today sometimes difficult to retrieve such information, especially regarding supplied components.

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

2.2 Recycling information

Is recycling information for the product available?

- Yes Ref. Document:.....
 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 | No |

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| | |
|-----------------------------|----|
| Cadmium | No |
| Mercury | No |
| Beryllium | No |
| Brominated flame retardants | No |
| HCFCs | No |
| SF6, sulphurhexafluoride | No |
| Polyvinyl chloride, PVC | No |

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 : See technical data in catalogue
- No
- Not relevant