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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	Safety Limit Switches LS33PS		
ABB Identity number	1SBV032275Rxxxx, 1SBV032276Rxxxx, 1SBV032277Rxxxx, 1SBV032280Rxxxx, 1SBV032281Rxxxx		
Information provided by	Jean-Pierre PELLISSIER		
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Business area	Low Voltage Products - ATLV		
Date	May 2002		

1. Related documents

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

Industrial ^{IT} Certification Overview, 3BSE023905

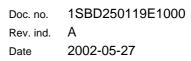
Industrial ^{IT} Certification Guideline, 3BSE024526

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 Optional ⁽¹⁾
Lead	Batteries, cables	X		See 2.2
Cadmium	Batteries, switches, additive in lead		X	
Mercury	Batteries, switches		X	
Beryllium	Contact springs		X	
Brominated flame retardants, e.g: PBB, PBDE, TBBPA	Additive in plastics or rubber		X	
HCFCs, e.g: R 22, R 123, R 141b	Cooling media		\boxtimes	
SF6, sulphurhexafluoride	Breakers		X	
Polyvinyl chloride, PVC	Cables		X	

(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:

- \Box < 1 dm²
- **1**-10 dm²
- \Box > 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	Metal plunger < 0,3% (only for 1SBV030275Rxxxx) -Contact support <0,05%		
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?

- □ No
- D No
- Not relevant