

#### **Environmental Information**

The purpose of this document is to provide environmental information requested in the procedure for Industrial <sup>IT</sup> Enabled level 0.

Product name	Plug-in Distribution System
	MCB S441/ S442/ S443 B/C/K/Z/D
ABB Identity number	GHS 441 xxxxRxxxx
	GHS 442 xxxxRxxxx
	GHS 443 xxxxRxxxx
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Business area	Low Voltage Products – ATLV
Date	March 2002

### **1** Related documents

Industrial <sup>IT</sup> Architecture - Introduction and Definitions, 3BSE023904

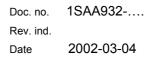
Industrial <sup>IT</sup> Certification Overview, 3BSE023905

Industrial <sup>IT</sup> Certification Guideline, 3BSE024526

Industrial <sup>IT</sup> Enabled Level 0 - Information, Introduction and Definitions, 3BSE025934

#### Ref documents:

http://inside.abb.com/The Insider/Featured Portals/Industrial IT Deployment/06 Product Certification/Document Library



# 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	<b>Quantity/unit</b> Optional <sup>(1)</sup>
Lead	Cables, solder points		✓	
Cadmium	Batteries, switches, additive in lead		✓	
Mercury	Batteries, switches		✓	
Beryllium	Contact springs		✓	
Brominated flame retardants, e.g: PBB, PBDE, TBBPA	Additive in plastics or rubber		~	
HCFCs, e.g: R 22, R 123, R 141b	Cooling media		~	
SF6, sulphurhexafluoride	Breakers		✓	
Polyvinyl chloride, PVC	Cables		✓	

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

### 2.1.1Printed circuit boards

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

- $\Box$  < 1 dm<sup>2</sup>
- □ 1-10 dm<sup>2</sup>
- $\Box$  > 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:.....
- ✓ 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: Product data sheet
- □ No
- Not relevant