

Doc. no. 1SAA960009-2401  
 Rev. ind.  
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## Environmental Information

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

Product name	Distributed Automation I/O AC522 Distributed Automation I/O AI523 Distributed Automation I/O AI531 Distributed Automation I/O AO523 Distributed Automation I/O AX521 Distributed Automation I/O AX522 Distributed Automation I/O CD522 Distributed Automation I/O DC522 Distributed Automation I/O DC523 Distributed Automation I/O DC532 Distributed Automation I/O DI524 Distributed Automation I/O DX522 Distributed Automation I/O DX531 Distributed Automation I/O PD501 Distributed Automation I/O TU515, TU516 Distributed Automation I/O TU531, TU532 Distributed Automation I/O TU542 Distributed Automation I/O TA523  <i>Product name may be followed by additional suffixes</i>
ABB Identity number	1SAP2xxxxxRxxxx / 1SAP9xxxxxRxxxx
Information provided by <i>(Name and e-mail address)</i>	Alexander Wachter alexander.wachter@de.abb.com
Business area	Low Voltage Products – ATAP
Date	March 2009

### 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

Group Function Sustainability Affairs

**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 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 <sup>(1)</sup>
Lead	Batteries, cables		✓	
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.

#### 2.1.1 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:.....
- 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	Cables and flat cables between printed circuit boards

## 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