

Doc. no. 1SAA981009-2403
Rev. ind.
Date 2014-04-28
From Walter Kraus
Dept. DESTO/CRD
Phone +49 7833 78-233
Fax +49 7833 78-306
E-mail walter.kraus@de.abb.com

Environmental Information

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

Product name	Pluggable pcb relays CR-P range Pluggable miniature relays CR-M range Pluggable miniature relays CR-MX range Pluggable universal relays CR-U range Pluggable interface relays CR-S range with sockets and accessories
ABB Identity number	1SVR 405 xxx Rxx00
Information provided by (Name and e-mail address)	Walter Kraus walter.kraus@de.abb.com
Business unit	LPCP
Date	April 2014

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

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 ⁽¹⁾</i>
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 dm²
- 1-10 dm²
- > 10 dm²
- No printed circuit boards used in the product

Doc. no. 1SAA981009-2403

Rev. ind.

Date 2014-04-28

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