

Environmental Information

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

Product name	SA/S 4.16.5.1 Switch Actuator, 4f, 16/20A, C-Load, MDRC
ABB Identity number	2CDG 110 133 R0011
Information provided by	Peter Heilig
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Business area	Low Voltage Products – ATAP
Date	2011-04-11

1. Related documents

Industrial $^{\rm T}$ Architecture - Introduction and Definitions, 3BSE023904

Industrial ^{IT} Certification Overview, 3BSE023905

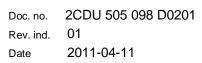
Industrial ^{IT} Certification Guideline, 3BSE024526

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, solder		✓	
Cadmium	Batteries, switches, additive in lead		✓	
Mercury	Batteries, switches		✓	
Beryllium	Contact springs		✓	
Brominated flame	Additive in plastics or rubber		✓	
retardants, e.g:				
PBB, PBDE, TBBPA				
HCFCs, e.g:	Cooling media		\checkmark	
R 22, R 123, R 141b				
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:

- \checkmark < 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		
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 : Technical data sheet
- □ No
- Not relevant