Doc. no. 2CDU071000R0005
Rev. ind. 01
Date 2003-07-17
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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	Shutter actuator, w.m.sw. 4fold, 230V AC, MDRC JA/S 4.230.1M
ABB Identity number	GH Q631 0064 R0111
Information provided by *(Name and e-mail address)*	Volker Burkart volker.burkart@de.abb.com
Business area	Low Voltage Products – ATLV
Date	2003-07-17

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

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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 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^2

✓ 1-10 dm^2

❒ > 10 dm^2

❒ 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 : Technical data sheet

❒ No

❒ Not relevant