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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	Distributed Automation PLC PM554-T Distributed Automation PLC PM554-T-ETH Distributed Automation PLC PM554-R Distributed Automation PLC PM554-R-AC Distributed Automation PLC PM564-T Distributed Automation PLC PM564-R Distributed Automation PLC PM564-R-AC Distributed Automation PLC PM564-T-ETH Distributed Automation PLC PM564-R-ETH Distributed Automation PLC PM564-R-ETH-AC Distributed Automation PLC MC503 Distributed Automation PLC TA561-RTC Distributed Automation PLC TA562-RS Distributed Automation PLC TA562-RS-RTC Distributed Automation PLC TA566 Distributed Automation PLC TA570 Distributed Automation PLC TA571-SIM Distributed Automation PLC TK506 <i>Product name may be followed by additional suffixes</i>
ABB Identity number	1TNE968xxxxRxxxx or 1SAPxxxxxxxxRxxxx
Information provided by <i>(Name and e-mail address)</i>	Alexander Wachter alexander.wachter@de.abb.com
Business area	Discrete Automation and Motion
Date	December 12. 2011

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

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 <i>Optional</i> ⁽¹⁾
Lead	Batteries, cables		✓	
	Cables	✓		5 ppm in the cable of TK506
	Screws, screw terminals	✓		Below the permitted values: 25 ppm in the terminals of TK506 and 2653 ppm in the screws delivered with TK506.
Cadmium	Batteries, switches, additive in lead		✓	
Chromium 6+	Terminals		✓	
Brominated flame retardant TBBPA	Additive in plastics or rubber	✓		
Other brominated flame retardants, e.g: PBB, PBDE	Additive in plastics or rubber		✓	
Other halogenated flame retardants	Additives in plastic parts of (electronic) components	✓		
Poly-Fluor-Carbons (like Teflon, Hostafion, Viton)	Cables or insulation. Also in switches.	✓		
PCB	Cooling media		✓	
Polyvinyl chloride, PVC	Cables	✓		In CPU module PM554 or PM564 typ. 0.06 g per module (below 200 ppm). In Simulator TA571-SIM typ 0.8g per module. In the RS485 Isolator TK506 typ. 10g.

(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

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	In screws and screw terminals of TK506, in the cable of TK506
Cadmium	
Chromium 6+	
Brominated flame retardant TBBPA	Isolating parts of connectors
Other brominated flame retardants, e.g: PBB, PBDE	
Other halogenated flame retardants	Electronic board (electronic components)
Poly-Fluor-Carbons (like Teflon, Hostafion, Viton)	Isolating parts of transformers
PCB	
Polyvinyl chloride, PVC	Isolation of wires and cables

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 in the documentation
- No
- Not relevant