



ABB STOTZ-KONTAKT GmbH

Environmental Information

2CDK400030D0201

Date : 2014-08-07

Scope of the declaration

The scope of this document is to give information about environmental aspects and the compliance to the environmental regulations for ABB Miniature Circuit Breakers

Series:

**S20x, S20xS, S20xL, S20xM, S20xMUC, S20xMT, S20xP, M20x
SH20x, SH20xL, SH20xT
S28x, S28xUC, S28xUX
S20xU, S20xUP, S20xUDC**

x = number of poles.

Company

ABB STOTZ-KONTAKT GmbH
Eppelheimer Str.82
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Germany

ABB STOTZ-KONTAKT GmbH is part of the ABB Group's Low Voltage Products Division. It develops, manufactures and sells products for the electrical installation and automation of buildings, machines and plants.

ABB STOTZ-KONTAKT GmbH is certified according ISO 9001, ISO 14001 and OHSAS 18001.

Product compliance

The MCBs comply with the actual requirements of the EU directive 2002/95/EC ("RoHS"). Materials, wherever requested by the REGULATION (EC) No. 1907/2006 ("REACH") have been registered at ECHA by the producers. They do not contain substances as specified in the related candidate list of SVHC as published in

http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp

The MCBs do not contain PCB, asbestos, cadmium, halogens, silicone and radioactive elements.

ABB STOTZ-KONTAKT GmbH



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RAMS (Reliability, Availability, Maintainability & Safety)

The design and material is proven in various industrial applications and environment for more than 20 years without relevant or systematic failures.

The MCBs are maintenance free.

The expected life of a Miniature Circuit Breaker is more than 30 years in applications covered by the product standards (see below)

All devices are approved by third party organizations on the base of the relevant product standards, e.g. IEC/EN 60898-1, IEC/EN 60947-2, UL1077, UL489, CSA 22.2 No. 235, CSA 22.2 No. 5. The available certificates are published in the ABB Download Center.

Product Description

Miniature Circuit Breakers (MCB)

contain the following materials (with small variations per type)

List of Materials

material	percentage	
steel	40,0%	
non-iron alloy-components	1,0%	
copper / copper alloys	9,9%	
silver	0,1%	
zinc	2,0%	
aluminum	3,0%	
aluminumoxide ¹⁾	2,0%	
silicon dioxide / glass ¹⁾	7,0%	
non-combustible material		65,0%
plastic of housing ²⁾	32,5%	
other plastic material	2,5%	
combustible material		35,0%

1) used as filler in the plastic materials

2) the plastic materials for the housing are UL-listed

Recycling Information

Treatment			
Recovery			Disposal
Reuse of parts	Recycling or material recovery	Energy recovery or replacement of other material	Unrefined residue
	56%		
Recyclable mass		91%	9%

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Product Management

Quality Management


Frank-Andreas Winter


Gerhard Lauffer