



ABB STOTZ-KONTAKT GmbH

Environmental Information

9AKK107680A9140

Date : 2020-07-08

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:

SU20xM, SU20xML, SU20xMR

x = number of poles.

Company

ABB STOTZ-KONTAKT GmbH
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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

According to our analysis, the material restrictions between the RoHS Directives 2002/95/EG and the amendment 2011/65/EU will remain unchanged. The MCBs supplied will continue to comply with the respective requirements in the future insofar no changes of a. m. directive will occur.

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

ABB STOTZ-KONTAKT GmbH



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

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	49,5%	
non-iron alloy-components	1,0%	
copper / copper alloys	6,9%	
silver	0,7%	
zinc	1,0%	
aluminum	1,8%	
aluminumoxide ¹⁾	1,0%	
silicon dioxide / glass ¹⁾	7,2%	
non-combustible material		69,1%
plastic of housing ²⁾	21,5%	
other plastic material	9,4%	
combustible material		30,9%

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
Recyclable mass 61%			
Recoverable mass 92%			8%

ABB STOTZ-KONTAKT GmbH



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