

1SDL000282R1378

To Whom it May Concern

Subject: REACH Regulation

Bergamo, September 27th, 2023

With reference to the Regulation (EC) No 1907/2006 issued by the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) entered in force on 1st June 2007, please be informed that:

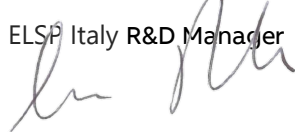
- ABB continuously assesses its products for content of Substances of Very High Concern (hereinafter SVHC), included in the "Candidate List" by the European Chemicals Agency (ECHA) as per Annex XIV of the REACH Regulation
- under normal and reasonably foreseeable usage conditions, products manufactured by ABB do not intentionally release any substance or preparation
- a substance on its own, in a preparation or in an article, for which Annex XVII contains a restriction is not manufactured, placed on the market or used inside ABB products unless it complies with the conditions of that restriction

According to the current best knowledge and according to the information provided by suppliers, ABB states that manufactured Moulded Case, Air and Solid State Circuit Breakers and related accessories comply with the materials and the restrictions in Regulation (EC) No 1907/2006.

All information concerning SVHC listed in the "Candidate List" updated on 17th January 2023 present in excess of 0.1% w/w is illustrated in ABB document 1SDL000572R0001.

Alessandro Rovardi

ELSP Italy R&D Manager



Diego De Mattia

HUB Europe Quality Manager

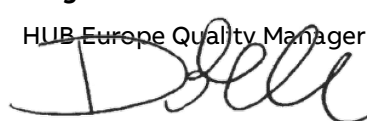


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SVHC present in excess of 0.1% MCCBs, ACBs and SSCBs

MOULDED CASE CIRCUIT BREAKERS (MCCBs)

Lead (CAS # 7439-92-1)

- Some electronic components mounted inside trip units of Tmax, Tmax XT and Formula circuit breakers
- Some electronic components mounted inside shunt opening release for Tmax XT XT5-XT6 circuit breakers
- Some electronic components mounted inside undervoltage release for Tmax XT XT5-XT6 circuit breakers
- Some electronic components mounted inside shunt opening release for Tmax XT XT7 circuit breakers
- Some electronic components mounted inside shunt closing release for Tmax XT XT7 circuit breakers
- Some electronic components mounted inside undervoltage release for Tmax XT XT7 circuit breakers
- Some electronic components mounted inside undervoltage release for Tmax T7 circuit breakers
- Some electronic components mounted inside electronic motor operators for Tmax T4-T5 circuit breakers
- Some electronic components mounted inside under voltage device for Tmax and Tmax XT circuit breakers
- Some electronic components mounted inside residual current devices for Tmax and Tmax XT circuit breakers
- Some electronic components mounted inside Ekip COM module for Tmax XT circuit breakers
- Some electronic components mounted inside Ekip T&P unit
- Some electronic components mounted inside Ekip TT unit
- Some electronic components mounted inside ATS021-ATS022 units
- 2 pins mounted inside Tmax T4-T5-T7, Tmax XT XT5-XT7 and Formula A3 circuit breakers
- A pin mounted inside Tmax XT XT1-XT2-XT3-XT4 circuit breakers
- A pin mounted inside operating mechanism for Formula A2 circuit breakers
- A pin mounted inside motor operator for Tmax XT XT2-XT4 circuit breakers
- A pin mounted inside plug-in fixed parts for Tmax XT XT2-XT3-XT4
- Connection terminals type MC Cu for Tmax XT XT2-XT3
- Connection terminals type FC Cu for Tmax T5

1,2 – Dimethoxyethane; ethylene glycon dimethyl ether (EGDME) (CAS # 110-71-4)

- Coin type Lithium Manganese battery mounted inside trip units of Tmax XT circuit breakers

1,3 – Propanesultone (CAS # 1120-71-4)

- Coin type Lithium Manganese battery mounted inside trip units of Tmax XT circuit breakers

Decamethylcyclopentasiloxane [D5], Dodecamethylcyclohexasiloxane [D6], Octamethylcyclotetrasiloxane [D4] (CAS # 540-97-6, CAS # 541-02-6, CAS # 556-67-2)

- A damper mounted inside trip coil for Tmax XT XT5 circuit breakers

Author	Davide Pirola	Document Title	SVHC present in excess of 0.1% MCCBs-ACBs-SSCBs	Version 03
Role	ELSP Product Compliance Material Manager	Document Number	1SDL000572R0001	Number of Pages
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AIR CIRCUIT BREAKERS (ACBs)

Lead (CAS # 7439-92-1)

- Some electronic components mounted inside trip units of Emax 2 and Formula Air circuit breakers
- Some electronic components mounted inside shunt opening release for Emax 2 circuit breakers
- Some electronic components mounted inside shunt closing release for Emax 2 circuit breakers
- Some electronic components mounted inside undervoltage release for Emax 2 circuit breakers
- Some electronic components mounted inside residual current toroid for Emax 2 E1.2 circuit breakers
- Some electronic components mounted inside Ekip T&P unit
- Some electronic components mounted inside Ekip TT unit
- 2 pins mounted inside Emax 2 circuit breakers

1,2 – Dimethoxyethane; ethylene glycon dimethyl ether (EGDME) (CAS # 110-71-4)

- Coin type Lithium Manganese battery mounted inside trip units of Emax 2 circuit breakers

1,3 – Propanesultone (CAS # 1120-71-4)

- Coin type Lithium Manganese battery mounted inside trip units of Emax 2 circuit breakers

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SOLID STATE CIRCUIT BREAKERS (SSCBs)

Lead (CAS # 7439-92-1)

- Some electronic components mounted inside trip units of Infinitus circuit breakers
- Some electronic components mounted inside shunt opening release for Infinitus circuit breakers
- Some electronic components mounted inside shunt closing release for Infinitus circuit breakers
- Some electronic components mounted inside undervoltage release for Infinitus circuit breakers
- 2 pins mounted inside Emax 2 circuit breakers

1,2 – Dimethoxyethane; ethylene glycon dimethyl ether (EGDME) (CAS # 110-71-4)

- Coin type Lithium Manganese battery mounted inside trip units of Infinitus circuit breakers

1,3 – Propanesultone (CAS # 1120-71-4)

- Coin type Lithium Manganese battery mounted inside trip units of Infinitus circuit breakers

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