

2CMT2025-006812

Subject: Per- and polyfluoroalkyl substances (PFAS)

Västerås, November 13<sup>th</sup>, 2025

Per- and polyfluoroalkyl substances (PFAS), sometimes called "forever chemicals," is a group of thousands of substances widely used in many industries. For example, commonly known PFAS include: • PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid) • PFHxA (perfluorohexanoic acid) and PFH[x]S (perfluorohexane sulfonate/perfluorohexane sulfonic acid) • PTFE (polytetrafluoroethylene) and other fluoropolymers • Thousands of other chemicals Due to growing awareness of health and environmental concerns, PFAS are facing increasing scrutiny worldwide. According to the current best knowledge and according to the information provided by suppliers, ABB states that manufactured contactors, including block contactors, installation contactors, mini contactors, contactor starters, mini contactor relays, thermal overload relays, electronic overload relays and related accessories comply contains Per- and polyfluoroalkyl substances (PFAS) as illustrated in ABB document 2CMT2025-006813. No chemical analysis nor other similar testing has been conducted.

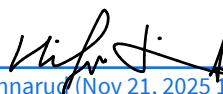
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# PFAS in Contactors

**Contactors, including Block contactors, Installation contactors, Mini contactors, Contactor starters, Mini contactor relays, Thermal overload relays, Electronic overload relays and related accessories**

## Contactors

Polytetrafluoroethylene - PTFE (CAS 9002-84-0)

- Tapping screws for block contactors
- Mechanical interlock for EH & EK contactors
- Coil for EK & EH contactors

1-Propene, 1,1,2,3,3,3-hexafluoro-, oxidized, polymd. - PEPE (CAS 69991-67-9)

- Oil used in contactors

Heptadecafluorononanoic acid - PFNA (CAS 375-95-1)

- Some components in contactor starters NEMA

Tricosafluorododecanoic acid - PFDoA (CAS 307-55-1)

- Some components in contactor starters NEMA

Perfluorooctanoic acid - PFOA (CAS 335-67-1)

- Some components in contactor starters NEMA

Nonadecafluorodecanoic Acid - PFDA (CAS 335-76-2)

- Some components in contactor starters NEMA

Heptacosafuorotetradecanoic acid - PFTeDA (CAS 376-06-7)

- Some components in contactor starters NEMA

Heptafluorobutyric acid - PFBA (CAS 375-22-4)

- Some components in contactor starters NEMA

## Thermal overload relays

Polytetrafluoroethylene - PTFE (CAS 9002-84-0)

- Some components in thermal overload relays

## Electronic overload relays

Perfluoroethylene propylene copolymer – FEP (CAS 25067-11-2)

- Some components in electronic overload relays

Version 2

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