
EU Declaration of Conformity

ATEX Directive 2014/34/EU and Machinery Directive 2006/42/EC

We

Manufacturer: ABB Oy

Address: Hiomotie 13, 00380 Helsinki, Finland.

Phone: +358 10 22 11

declare under our sole responsibility that the following products:

Frequency converters and frequency converter components

ACS880-01, -11, -31

ACS880-04, -04XT, -04F, -04FXT, -M04, -14, -34, -104, -104LC

ACS880-07, -17, -37, -107, -07CLC, -07LC, -17LC, -37LC, -107LC

identified with serial numbers beginning with 1 or 8

with **FPTC-02** module

with regard to the safety function

ATEX certified thermistor protection (Safe Motor Temperature) (option code +L537 +Q971)


are in conformity with all the relevant requirements for

protective system of EU Directive for Equipment for Explosive atmospheres
2014/34/EU, and

safety component of the EU Machinery Directive **2006/42/EC**, when the listed safety function is used for safety component functionality

Directive 2014/34/EU

Specific marking of explosion protection

 II (2) GD

The following harmonized standard has been applied:

EN 50495:2010	Safety devices required for the safe functioning of equipment with respect to explosion risks
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Notified Body: Eurofins Electric & Electronics Finland Oy, Notified Body number: 0537, Address:
Kivimiehentie 4, 02150 Espoo, Finland

has assessed the conformity of the “ATEX certified thermistor protection” function and has issued the certificate EESF 20 ATEX 050.

Directive 2006/42/EC

The following harmonized standards have been applied:

EN 61800-5-2:2007	Adjustable speed electrical power drive systems – Part 5-2: Safety requirements - Functional
EN IEC 62061:2021	Safety of machinery – Functional safety of safety-related control systems
EN ISO 13849-1:2023	Safety of machinery – Safety-related parts of control systems. Part 1: General principles for design
EN ISO 13849-2:2012	Safety of machinery – Safety-related parts of the control systems. Part 2: Validation
EN 60204-1:2018	Safety of machinery – Electrical equipment of machines – Part 1: General requirements

The following other standards have been applied:


IEC 61800-5-2:2016	Adjustable speed electrical power drive systems – Part 5-2: Safety requirements - Functional
IEC 61508:2010, parts 1-2	Functional safety of electrical / electronic / programmable electronic safety-related systems


The products referred in this Declaration of conformity fulfil the relevant provisions of other European Union Directives which are notified in Single EU Declarations of conformity 3AXD10000497305 and 3AXD10000497831.

Authorized to compile the technical file: ABB Oy, Hiomotie 13, 00380 Helsinki, Finland

Helsinki, 18 Aug 2025

Signed for and on behalf of:


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