

Declaration of Conformity

The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 (+ amendment SI 2019 No. 696) and Supply of Machinery (Safety) Regulations 2008

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 The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 (+ amendment SI 2019 No. 696),

and

safety component of the the Supply of Machinery (Safety) Regulations 2008, when the listed safety function is used for safety component functionality

The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 (+ amendment SI 2019 No. 696)

Specific marking of explosion protection

 II (2) GD

The following designated 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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Approved Body: Eurofins E&E CML Limited, Approved Body number: 2503, Address: Newport Business Park, New Port Road, CH65 4LZ, Ellesmere Port, United Kingdom

has assessed the conformity of the “ATEX certified thermistor protection” function and has issued the certificate CML 21 UKEX 9300.

The Supply of Machinery (Safety) Regulations 2008

The following designated standards have been applied:

EN 61800-5-2:2007	Adjustable speed electrical power drive systems – Part 5-2: Safety requirements - Functional
EN 62061:2021	Safety of machinery – Functional safety of safety-related control systems
EN ISO 13849-1:2015	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:

EN 61800-5-2:2017	Adjustable speed electrical power drive systems – Part 5-2: Safety requirements - Functional
EN 61508:2010, parts 1-2	Functional safety of electrical / electronic / programmable electronic safety-related systems

Authorized to compile the technical file:

ABB Limited, Daresbury Park, Cheshire, United Kingdom, WA4 4BT

The products referred in this Declaration of conformity fulfil the relevant provisions of other UK Legislation which are notified in Single UK Declarations of conformity 3AXD10001346556 and 3AXD10001326405.

Helsinki, 19 Jun 2023

Signed for and on behalf of:

Peter Lindgren

Peter Lindgren
Vice President, ABB Oy

Tomi Väisälä
Product Unit Manager, ABB Oy