

# EU Declaration of Conformity

Machinery Directive 2006/42/EC

We

Manufacturer:

ABB Oy

Address:

Hiomotie 13, 00380 Helsinki, Finland.

Phone:

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declare under our sole responsibility that the following product:

## Frequency converter

**ACS580-04**

with regard to the safety functions

- Safe Torque Off

- Safe stop 1 (SS1-t, with FSPS-21 PROFIsafe module, +Q986)

is in conformity with all the relevant safety component requirements of EU Machinery Directive 2006/42/EC, when the listed safety function is used for safety component functionality.

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 13849-1:2015

Safety of machinery – Safety-related parts of control systems. Part 1: General requirements

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 61508:2010, parts 1-2

Functional safety of electrical / electronic / programmable electronic safety-related systems

IEC 61800-5-2:2016

Adjustable speed electrical power drive systems – Part 5-2: Safety requirements - Functional

The product(s) referred in this Declaration of conformity fulfil(s) the relevant provisions of other European Union Directives which are notified in Single EU Declaration of conformity 3AXD10000497690.

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

Helsinki, August 31, 2022

Signed for and on behalf of:



Mika Vartiainen  
Local Division Manager  
ABB Oy



Harri Mustonen  
Product Unit Manager  
ABB Oy