

EU Declaration of Conformity

Machinery Directive 2006/42/EC

We

Manufacturer: ABB Oy
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declare under our sole responsibility that the following product(s):
Frequency converter(s) and/or frequency converter component(s)
ACS580-04

with regard to the safety function(s):
- Safe Torque Off
- Safe stop 1 (SS1-t, with FSPS-21 PROFIsafe module, +Q986)
- Safe stop 1 (SS1-t, with FSCS-21 CIP Safety module)

is/are in conformity with all the relevant safety component requirements of the EU Machinery Directive 2006/42/EC, when the listed safety function(s) is/are 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 1-3 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 3AXD10001818627.

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

Helsinki, 22 Apr 2024

Signed for and on behalf of:

Mika Vartiainen
Local Division Manager
ABB Oy



Mikko Korpinen
Engineering Unit Manager
ABB Oy

Code: 3AXD10000352994