
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)
ACS580-07

with regard to the safety function(s):

- Safe Torque Off
- Emergency Stop (option codes +Q951, +Q963)
- 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.

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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: 3AXD10000675677