

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)
ACS880-01/-11/-31
ACS880-04/-04F/-M04/-14/-34

with regard to the safety function(s):

- Safe Torque Off
- Safe stop 1, Safe stop emergency, Safely-limited speed, Safe maximum speed, Safe brake control, Prevention of unexpected start-up (with FSO-12 option module, +Q973, encoderless)
- Safe stop 1, Safe stop emergency, Safely-limited speed, Safe maximum speed, Safe brake control, Safe speed monitor, Safe direction, Prevention of unexpected start-up (with FSO-21 and FSE-31 option modules, +Q972 and +L521, encoder supported)
- Safe motor temperature (with FPTC-01 thermistor protection module, +L536)
- Safe stop 1 (SS1-t, with FSPS-21 PROFIsafe module, +Q986)
- Safe stop 1 (SS1-t, with FSCS-21 CIP Safety module, +Q989)

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 3AXD10000497831.

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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:

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Code: 3AXD10000099646