
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 products:

Frequency converter components

HES880-104

identified with serial numbers beginning with 1 or 8

with regard to the safety function

Safe torque off (with safety function revision D)

are in conformity with all the relevant safety component requirements of the 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 62061:2005 + AC:2010 + A1:2013 + A2:2015	Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic 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
EN ISO 13766-2:2018	Earth-moving and building construction machinery – Electromagnetic compatibility (EMC) of machines with internal electrical power supply – Part 2: Additional EMC requirements for functional safety

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
ISO 15998:2008	Earth-moving machinery – Machine-control systems (MCS) using electronic components – Performance criteria and tests for functional safety
ISO 25119:2018, parts 1-4	Tractors and machinery for agriculture and forestry – Safety-related parts of control systems


The products referred in this declaration of conformity fulfil the relevant provisions of other European Union directives which are notified in a single EU declaration of conformity 3AXD10000497307.

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

Helsinki, 28 May 2021

Signed for and on behalf of:


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