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# EU Declaration of Conformity

Machinery Directive 2006/42/EC

We

Manufacturer: ABB Oy

Address: Hiomotie 13, 00380 Helsinki, Finland.

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declare under our sole responsibility that the following products:

**Frequency converters and frequency converter components**

**ACS880-04, -14, -34** (frames nxR8i)

**ACS880-04XT, -04FXT**

**ACS880-07, -17, -37, -107**

**ACS880-104**

**ACS880 multidrives**

**ACS880-104LC** (frames nxR8i)

**ACS880-07CLC, -07LC, -17LC, -37LC, -107LC** (frames nxR8i)

**ACS880 liquid-cooled multidrives**

identified with serial numbers beginning with 1 or 8

with regard to the safety functions

**Safe torque off**

**Safe motor temperature** with FPTC-01 module (option code +L536)

**Safe Stop 1 (SS1-t)** with FSPS-21 module (+Q986)

**Safe stop 1 (SS1-t and SS1-r), Safe stop emergency, Safely-limited speed, Safe maximum speed, Safe brake control, Prevention of unexpected start-up**, with FSO-12 module (option code +Q973)

**Safe stop 1 (SS1-t and SS1-r), 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 modules (option codes +Q972 and +L521)

**ACS880-07, -17, -37, -07CLC, -07LC, -17LC, -37LC, ACS880 multidrives and ACS880 liquid-cooled multidrives: Prevention of unexpected start-up** (option codes +Q950; +Q957), **Emergency stop** (option codes +Q951; +Q952; +Q963; +Q964; +Q978; +Q979), **Safely-limited speed** (option codes +Q965; Q966)

are in conformity with all the relevant safety component requirements of EU Machinery Directive 2006/42/EC, when the listed safety functions 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 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

The following other standard has 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 products referred in this Declaration of conformity fulfil the relevant provisions of other European Union Directives which are notified in Single EU Declaration of conformity 3AXD10000497305.

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

Helsinki, 28 May 2021

Signed for and on behalf of:

*Peter Lindgren*

Peter Lindgren  
Vice President, ABB Oy

*Vesa Tiihonen*

Vesa Tiihonen  
Manager, Reliability and Quality, ABB Oy