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 product:

**Frequency converter**

**ACH580-01/-31**

with regard to the safety function

**Safe torque off**

is in conformity with all the relevant safety component requirements of 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**

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 requirements

EN ISO 13849-2:2012  
Safety of machinery – Safety-related parts of the control systems. Part 2: Validation

Safety of machinery – Electrical equipment of machines – Part 1: General requirements

The following other standards have been applied:

IEC 61508:2010  
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 referred in this Declaration of conformity fulfils the relevant provisions of other European Union Directives which are notified in Single EU Declaration of conformity 3AXD10000497691.

Person authorized to compile the technical file:

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Helsinki, 15 Sep 2017

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Vesa Kandell
Vice President, ABB Oy

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