



# 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:

**Frequency converter(s)**  
**ACQ580-07**

with regard to the safety function(s)

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

is/are 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                                 |
| EN 62061:2005<br>+ 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 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 1-2 | 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  |

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 3AXD10000497692.

Person authorized to compile the technical file:

Name and address: Jussi Vesti, Hiomotie 13, 00380 Helsinki, Finland.

Helsinki, 14.09.2020

Signed for and on behalf of:

Tuomo Tarula  
Vice president, ABB Oy

Vesa Tuomainen  
Product Engineering manager, ABB Oy

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