EU Declaration of Conformity
Machinery Directive 2006/42/EC

We, ABB Oy
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declare under our sole responsibility that the following product:

Frequency converter(s)
ACS580-07

with regard to the safety function(s)

- Safe Torque Off
- Emergency Stop (option codes +Q951, +Q963)
- Safe stop 1 (SS1-t, with FSPS-21 PROFIsafe module, +Q986)

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
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, 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 3AXD10000497690.

Person authorized to compile the technical file:
Name and address: Jussi Vesti, Hiomatie 13, 00380 Helsinki, Finland.

Helsinki, 29.01.2020
Signed for and on behalf of:

Tuomo Tarula
Vice president, ABB

Vesa Tuomainen
Product Engineering manager, ABB Oy

Document number 3AXD100000675677