Declaration of Conformity
Supply of Machinery (Safety) Regulations 2008

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

Frequency converter
ACS580-07

with regard to the safety functions
- Safe Torque Off
- Emergency Stop (option codes +Q951, +Q963)
- Safe stop 1 (SS1-t, with FSPS-21 PROFlsafe module, +Q986)

is in conformity with all the relevant safety component requirements of the Supply of Machinery (Safety) Regulations 2008, when the listed safety
function is used for safety component functionality.

The following designated 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

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 fulfill(s) the relevant provisions of other UK statutory requirements, which are notified in
a single declaration of conformity 3AXD10001325742.

Authorized to compile the technical file: ABB Limited, Daresbury Park, Cheshire, United Kingdom, WA4 4BT.

Helsinki, May 7, 2021
Signed for and on behalf of:

Tuomo Tarula
Local Division Manager, ABB Oy

Harri Mustonen
Product Unit Manager, ABB Oy

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