EU Declaration of Conformity
Machinery Directive 2006/42/EC

We, ABB Oy, Hiomatiet 13, 00380 Helsinki, Finland, declare under our sole responsibility that the following product:

Frequency converter
ACS580-01

with regard to the safety functions
- Safe Torque Off
- Safe stop 1 (SS1-t, with FSPS-21 PROFIsafe module, +Q986)

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
EN ISO 13849-1:2015
EN ISO 13849-2:2012
EN 60204-1:2018

The following other standards have been applied:

IEC 61508:2010, parts 1-2
IEC 61800-5-2:2017

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
Safety of machinery – Safety-related parts of control systems. Part 1: General requirements
Safety of machinery – Safety-related parts of the control systems. Part 2: Validation
Safety of machinery – Electrical equipment of machines – Part 1: General requirements
Functional safety of electrical / electronic / programmable electronic safety-related systems
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, Hiomatiet 13, 00380 Helsinki, Finland.

Helsinki, March 30, 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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