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)
ACS880-01/-11/-31
ACS880-04/-04/-MD4/-14/-34

with regard to the safety function(s)

(a) Safe Torque Off;
(b) Safe stop 1, Safe stop emergency, Safety-limited speed, safe maximum speed, safe brake control,
Prevention of unexpected start-up; [With FSO-12 option module (+Q973, encoderless)]
(c) Safe stop 1, Safe stop emergency, Safety-limited speed, Safe maximum speed, Safe brake control, Safe
speed monitor, Safe direction, Prevention of unexpected start-up; [With FSO-12 option module (+Q972 and
+LS21, encoder supported)]
(d) Safe motor temperature; [with FPTC-01 thermistor protection module (option code +LS36)]

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
AA:2015
EN ISO 13849-1:2015
EN ISO 13849-2:2012

The following other standards have been applied:
IEC 61508:2010, parts 1-2
IEC 61800-5-2:2016

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 3AXD10000497831.

Person authorized to compile the technical file
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