

## EU Declaration of Conformity

Machinery Directive 2006/42/EC

We

Manufacturer: ABB Oy  
Address: Hiomotie 13, 00380 Helsinki, Finland.  
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declare under our sole responsibility that the following products:

### Frequency converters

ACS880-01	208 – 690 Vac (frames R1-R9)
ACS880-04	380 – 690 Vac (frames R10-R11)
ACS880-M04	208 – 500V (frames R1-R4)

with regard to the built-in safety function:

### Safe torque off;

and with regard to the following optional safety functions with FSO-12 module (option code +Q973, encoderless):

### Safe stop 1; Safe stop emergency; Safely-limited speed; Safe maximum speed; Safe brake control; Prevention of Unexpected Start-up;

and with regard to the following optional safety functions (option codes +Q972 and +L521, encoder supported):

### Safe stop 1; Safe stop emergency; Safely-limited speed; Safe maximum speed; Safe brake control; Safe speed monitor; Safe direction; Prevention of Unexpected Start-up;

and with regard to the following optional safety function with FPTC-01 thermistor protection module (option code +L536):

### Safe Motor Temperature;

are in conformity with all the relevant safety component requirements of EU Machinery Directive 2006/42/EC, when the listed safety functions are used for safety component functionality.

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Machinery Directive 2006/42/EC

The following harmonized standards have been applied:

EN 61800-5-2:2007	<i>Adjustable speed electrical power drive systems – Part 5-2: Safety requirements - Functional</i>
EN 62061:2005 + AC:2010 + A1:2013 + A2:2015	<i>Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems</i>
EN ISO 13849-1:2015	<i>Safety of machinery – Safety-related parts of control systems. Part 1: General requirements</i>
EN ISO 13849-2:2012	<i>Safety of machinery – Safety-related parts of the control systems. Part 2: Validation</i>
EN 60204-1: 2006 + A1:2009 + AC:2010	<i>Safety of machinery – Electrical equipment of machines – Part 1: General requirements</i>

The following other standards have been applied:

IEC 61508:2010	Functional safety of electrical / electronic / programmable electronic safety-related systems
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The products referred in this Declaration of conformity fulfil 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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Helsinki, 30 Jun 2016

Manufacturer representative:



Tuomo Höysniemi  
Vice President, ABB Oy