



Declaration of Conformity

(According to LVD 2006/95/EC)

Manufacturer: ABB Oy

Address: P.O Box 184, FIN-00381 Helsinki, Finland. Street address: Hiomotie 13,

herewith declare under our sole responsibility that the product:

Frequency converter series ACS850 with current rating from 3 A up to 875 A and type marking ACS850-04

to which this declaration relates, are in conformity with the requirements of the Low Voltage Directive, LVD 2006/95/EC.

The following European standards have been applied:

EN 60204-1:2006 + A1:2009

*Safety of machinery - Electrical equipment of machines
Part 1: General requirements*

EN/IEC 61800-5-1:2007

*Adjustable speed electrical power drive systems
Part 5-1:*

Safety requirements

Electrical, thermal and energy

EN 60529:1991 + A1:2000

Degrees of protection provided by enclosures (IP codes)

Instructions for installation, operation and maintenance are according to the product documentation.

Helsinki, 09.09.2013

Mika Kulju

Vice President
ABB Oy, Drives

Reference No. STC-MD 152

Our ref.
269990-1

Place and date
Helsinki 4.6.2013

STATEMENT OF CONFORMITY


Product	Frequency converter module
Tested on request of	ABB Oy Drives, P.O. Box 184 FI-00381 HELSINKI FINLAND
Name and address of the manufacturer / the factory	ABB Oy Drives Hiomotie 13 FI-00380 HELSINKI FINLAND
Rating and principal characteristics	ACS850-04: 380V – 500V, 48 – 63 Hz, 200 – 560 kW ACQ810-04: 380V – 480V, 48 – 63 Hz, 200 – 560 kW ACSM1-04: 380V – 500V, 48 – 63 Hz, 200 – 355 kW
Trade mark (if any)	ABB
Type	ACS850-04, ACQ810-04, ACSM1-04
Additional information (if any)	Frequency converters are components of the machinery control system.
Sufficient samples of the product have been tested and found to be in conformity with the current standard (number and edition)	EN 60204-1:2006 + A1:2009
As shown in the test report (reference No.)	269990-1
Whereby it is found that there is sufficient technical documentation to justify the partly completed machinery complies with the Machinery Directive (2006/42/EC).	

This statement has been established by a body notified to the Member States and Commission of the European Communities according to the provisions of Article 14 of the Machinery Directive of 17 May 2006.

This Statement of conformity is the result of testing samples of the product, and verifying the documentation in accordance with the provisions of the relevant specific standards and the Machinery Directive (2006/42/EC). It does not imply an assessment of the whole production, or fulfilment of other additional requirements in the Directive. The product can be placed in to the market after actions of Article 13 and Declaration of Incorporation are completed. According Machinery Directive fixing of the CE marking is not allowed to partly completed machinery. If partly completed machinery is also subject of other Directive relating to other aspects and providing for the affixing of the CE marking, the CE marking shall be fixed.

This statement of conformity is not an FI certificate thus not giving the right to use the FI and SGS FI mark on products, its packaging or any marketing material or activities.

SGS Fimko Ltd



Markus Ahvenus
Certification Manager

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Declaration of Conformity

(According to Directive EMC 2004/108/EC)

Manufacturer: ABB Oy

Address: P.O Box 184, FIN-00381 Helsinki, Finland. Street address: Hiomotie 13,

herewith declare under our sole responsibility that the product:

Frequency converter series ACS850 with current rating from 3 A up to 875 A and type marking ACS850-04

to which this declaration relates, is in conformity with the requirements of the EMC Directive, 2004/108/EC, provided that the equipment is selected, installed and used according to our instructions.

The following harmonised European standards have been applied:

EN 61800-3:2004

(Adjustable speed electrical power drive systems- Part 3: EMC requirements and specific test methods)

Helsinki, 27.6.2012

A handwritten signature in blue ink, appearing to read 'Mika Kulju', followed by a horizontal line.

Mika Kulju

Vice President
ABB Oy, Drives

PDM code : 00587932.ZIP
MRP code : 69004865 rev. B

INVESTIGATION REPORT


Our ref. 250003-1

Report No. 13117

Product	Frequency converter
Type	ACS850-04 (Frame size A, B, C, D and E)
Trade mark	ABB
Applicant	ABB Oy Drives PL 184, FI-00381 HELSINKI, FINLAND
Manufacturer	ABB Oy Drives Hiomotie 13, FI-00380 HELSINKI, FINLAND
Technical information	Input: 380-500 V, 48-63 Hz, Class I, -1,1 kW and 3 kW (frame size A) -4 kW and 7,5 kW (frame size B) -11 kW and 22 kW (frame size C) -30 kW and 45 kW (frame size D) -90 kW and 160 kW (frame size E)
Additional product information	The ACS850-04 is a frequency converter series for general purpose between 1,1 kW and 160 kW.
The product has been tested according to standards	IEC 61800-5-1:2007 EN 61800-5-1:2007
Extent of the testing	Only a part of the tests of the standards have been applied for the product.
Investigation result	For tested and evaluated parts the product complies the requirements of the standard.
Other information	This test result is valid only for the product tested. The product has not been granted the right to use the FI mark.
Date	17 June 2009

SGS Fimko Ltd

Signature



Osmo Väyrynen
Certification Manager

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SGS Fimko Ltd.

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Business ID 0978538-5

Member of the SGS Group (SGS SA)

Report No. 13117

Additional information

The product have been tested and evaluated partially according to standards IEC 61800-5-1:2007 and EN 61800-5-1:2007.

Evaluation has been carried out for use of the equipment up to an altitude of 2000 m.

Test results and other information are indicated on enclosed Test Report No. 250003-1.

Manufacturing site(s)

ABB Oy Drives, Hiomotie 13, FI-00380 HELSINKI, FINLAND

Is based on test

250003-1

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