



# Certificate of Compliance

**Certificate:** 1562159

**Master Contract:** 206573

**Project:** 70192621

**Date Issued:** 2018-08-01

**Issued to:** ABB OY LV Drives  
13 Hiomotie  
Helsinki, 00381  
FINLAND  
Attention: Mika Penttinen

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



Issued by: Susanne Dormann  
*Susanne Dormann*

## **PRODUCTS**

CLASS - C321116 - INDUSTRIAL CONTROL EQUIPMENT --Adjustable Speed Drives-

CLASS - C321198 - INDUSTRIAL CONTROL EQUIPMENT--Adjustable Speed Drives - Certified to U.S. Standards

### ACS800 MULTIDRIVE MODULES

#### Part A

Rectifier, open chassis, D3 and D4 frame sizes. Model ACS800, followed by -304 or -704 followed by -0320, 0450, -0640, or -0910, followed by -7. May be followed by +F250, +0F253, +V992. Rated: Input: 600Vac max., 816A max., 910kVA max., Output: 810 Vdc max, 1000A max., 524kW max.

#### Rating:

- Input: 600Vac max., 816A max., 910kVA max.
- Output: 810 Vdc max, 1000A max., 524kW max.
- Short circuit current rating 100 KA.

#### Option extension I/O module

Accessory - Diode supply system board, open type, Model DSSB-01.

Diode supply basic board, open type, Model DSBB-01 or DSBB-02.

Control and I/O board, open type, Model RDCU-02C.



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Auxiliary measurement unit, open type, Model BAMU-01.  
Protection board, open type, Model CVAR-01.

#### Part B

AC adjustable open chassis Type R2, R3, R4 and R5 frame size speed drives, constant torque Model ACS800, followed by -104, followed by -0003, -0004, -0005, -0006, 0009, -0011, -0016, -0020, -0025, -0030, -0040, -0050, -0060 or -0070, followed by 3, -5 or -7, may be followed by any combination of +L500, +L501, +L502, +L503, +L509, +L508, +K451, +K452, +K454, +K458, +NXXX, +J400, +H358, +Q950, +Q967, +RXXX, +P901, +P904.

The +NXXX and +RXXX can be any number 0-9.

#### Part C

AC adjustable open chassis Type R5 and R6 frame size speed drives, constant torque Model ACS800, followed by -11, -U11, -31, -KONE 11, -X...X 11, -X...X 31 followed by 0011-2, 0016-2, 0020-2, 0025-2, 0030-2, 0040-2, 0050-2, 0060-2, 0016-3, 0020-3, 0025-3, 0030-3, 0040-3, 0050-3, 0060-3, 0070-3, 0100-3, 0020-5, 0030-5, 0040-5, 0050-5, 0060-5, 0070-5, 0100-5, 0120-5, 0130-5, 0060-7, 0070-7 or 0100-7, followed by any combination of +L500, +L501, +2\*L501, +L502, +L503, +L509, +L508, +L516, +K451, +K452, +K454, +K458, +K462, +NXXX, +H358, +E200, +E202, +0J400, +RXXX, +P904, +F273, +Q950, +Q967, +H357, +H358, +HB050, +0N664

The +NXXX and +RXXX can be any number 0-9.

\* In the code “-X...X 11”, “X...X” can include all letters and numbers.

GPUS-01C is an open type chassis with prevention of unexpected start-up board ASRU-01C, power supply board AGPS-11C and Safety Torque Off board ASTO-11.

#### Part D

AC adjustable, open chassis, R7i or R8i frame size variable speed drives, constant torque Model ACS800, followed by -104 followed by -0075, -0105, -0145, -0155, -0175, -0215, -0170, -0210, -0260, -0320, -0390, -400, -0440, -0460, 0510, -0580, or -0610, followed by -3, -5, or -7. May be followed by any combination of +E205, +Q950, +Q967, +Q958, +E212, +C122, +C123, +C124, +C126, +F272, +V991, +G304.

Accessories: ASFC-01C fuse switch controller, open type.

#### Part E

Line Filter - Open Type Model ALCL followed by -04, -05, -12, -13, -14, -15, -24, or -25 followed by -5 or -7 may be followed by any combination of +G304.

#### Part F

Line Filter - Open Type Model RLCL followed by -01, -02, -03, -11 or -12 followed by -5.

Charging unit – Open Type Model RCHU followed by -02, -03, -11 or -12 followed by -5

#### Part G

Open type measuring unit; type BAMU; followed by -01.



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Open type varistor board; type CVAR; followed by -01.

Open type control unit; type RDCU; followed by -02.

Note:

ACS800 multi-drive modules are certified as open type devices where the suitability of the combination in the final application is determined by CSA Group.

**APPLICABLE REQUIREMENTS**

- |  |   |                              |
|--|---|------------------------------|
| CAN/CSA-C22.2 No. 14-18                | - | Industrial Control Equipment |
| CSA C22.2 No.274-17                    | - | Adjustable speed drives      |
| ANSI/UL 508C (3 <sup>rd</sup> Edition) | - | Power Conversion Equipment   |



## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70192621	2018-08-01	Update report 1562159 part B with alternate suppliers. The products are based on the same hardware with report 1267392. Also update to the latest version of the standards to new classes C3211-16/-98.
70163246	2017-11-14	Update report 1562159 to correct typo in model number.
70135735	2017-07-19	Update to report 1562159 with alternate fan and new PCBA.
70065150	2016-03-14	Update to report 1562159 to conform to the IndCon. Bulletin 35 and 47.
70052328	2015-12-02	Update report 1562159 to cover issues found during FIR due to the following changes update of contactor information and corrections of typos.
70012659	2015-03-04	Update CSA report: 206573-1562159 - CSA Product Class 3211-06. Update the interface board type GINT5612C (instead of GINT5611C).
2679027	2013-11-25	Addition of an alternate Certified Fan, model R2E225-RA92-17 and an alternate fan capacitor, rated 3.5uF, 600V, following FIR dated October 31, 2013, at Harjumaa, Estonia, factory.
2675986	2013-11-06	Addition of an alternate Recognized Input Bridge semiconductor, model SKM100GB12V, following FIR dated September 23, 2013, at Juri, Estonia, factory.
2536541	2012-08-10	Addition of alternate accepted components for Capacitor, Thermal Switch, External Fan, Voltage reducer, capsulant compound, fuses, boards, removal of the split inspections info.
2490710	2012-02-17	Initial Factory Evaluation at Trafotek Oy in Estonia as downstream factory for split inspection on ALCL filters.
2406149	2011-03-18	Add alternate ceramic capacitor on filter board and varistor board.
2357623	2010-10-14	Addition of new capacitor board CMCP-01 and CMCP-11. Removal of CMCB-01C board.
2335028	2010-08-09	Addition of similar alternate interface board CM1B-21C and RC Board CMCB-01C
2268597	2010-02-10	Addition of Safe Torque Off function (+Q967), alternate Power Supply Module, type APOW-11C and alternate Relay components.
2196387	2009-10-28	Addition of line converter use at 400Vac, 500Vac, frame size R2 to R5.



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2136931	2009-02-17	Addition of AFPS-11C, Fan Inverter Power Supply board.
2038650	2008-05-14	Addition of alternate terminals and relays. Addition of RMIO-11/RMIO-12C control I/O boards.
1997757	2008-03-18	Addition of the DSBB-02C board and the braking chopper option.
1889003	2007-09-19	Change short-circuit current for 100kA and current values.
1761789	2006-03-27	CSA file update to add new models ACS800-11/-31.
1750410	2006-02-24	CSA file update to add modifications (ACS800 R7i or R8i frame size AC adjustable),
1723275	2005-11-03	Report update to add alternate construction.
1562159	2004-07-27	Certification of ACS800 multidrive modules.