



Certificate of Compliance

Certificate: 70215011 Master Contract: 206573
Project: 80197906 Date Issued: 2024-04-22
Issued to: ABB OY Drives
Hiomotie 13,
Helsinki, Uusimaa 00380
Finland
Attention: Bob Gill

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: Franklin ten Haaf
Franklin ten Haaf

PRODUCTS

C321116 INDUSTRIAL CONTROL EQUIPMENT - - Adjustable Speed Drives

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

Adjustable speed drive, R1 to R3 frame sizes, 1 or 3 phase input, 3 phase output, SCCR 100kA RMS symmetrical with Class T fuse. Open type or enclosed Type 1 or 12, with motor overload protection.

Model(s)	Input Voltage (VAC max)	Input Phase	Nominal Output Voltage (VAC max)	Output Phase	Input Frequency (Hz max)	Output Frequency (Hz max)	Output Current
ACH580 series, ACQ580 series, AYK580 series, ACS580 series	208 to 600	1 or 3 ph	208 to 600	3	48 to 63	0 to 500	2.1 to 60A

Note:



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- Ambient ratings of 40°C or 50°C. SCCR 100kA rms symmetrical with Class T fuse. Open type or enclosed Type 1 or 12, with motor overload protection.
- Suffixes may follow the above naming and are as defined within this report under nomenclature.

The Installation Instructions shall include the following:

1. In the User's Manual, reference shall be made to the necessary wire torque value and 75°C wire rating for all field wiring terminals located within the motor circuit.
2. In the User's Manual, details shall be provided on the proper connections at all field wiring terminals (both those located within the motor circuit and those not located within the motor circuit).
3. In the User's Manual, fuse ratings shall be provided for recommended main input. Also is shall indicate these fuses are certified or Listed Class CC, T.
4. A bus cap discharge warning is provided. The wording is as follows: "WARNING! Dangerous Voltage: Wait 5 Minutes After Disconnecting Supply Before Proceeding. See User's Manual."

Recommended certified Fuse Class T rated 600V except for -2 where 300V may be used:

ACx580-01 and AYK580-01 Drive Model Range ***	Required Class T Fuse **
-02A1-y thru -12A7-y	15A*
-014A-y thru -023A-y	30A*
-022A-6 and -024A-y -032A-y	40A
-034A-y thru -044A-y	60A
-046A-x thru -060A-x	80A

* Class CC fuse may be use as alternate

** A lower fuse size maybe use as alternate

*** Where "x" is H, Q, or S;

Where "y" is 2 (i.e. drive rated 240V max), 300V fuses may be used. All other applications must use 600V rated fuses.

APPLICABLE REQUIREMENTS

CSA C22.2 NO. 274-17 (Second Edition) (R2021) - Adjustable speed drives - Second Edition; Errata: April 2017

ANSI/UL 61800-5-1 (Second Edition) - Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal and Energy



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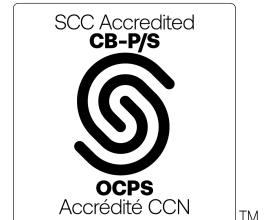
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Notes:

Products certified under Class(es) C321116 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





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

Project	Date	Description
80197906	2024-04-22	Update to Report 70215011 to include OEM-specific set of model numbers, the AYK580-01 drives.
80163420	2023-07-24	Update to Report 70215011 to address (FC# 604315) FIR dated February 10, 2023 as below: to add variation (VI) of nomenclature, addition of suffixes, (+J400) for control terminal, (+F278) for switch with cable and (+N2901) Software version as options to variation (VI) of nomenclature for model ACx580. (According to the provided and accepted UL certification documents in project 70215011).
70215011	2019-03-29	Original Certification for VFD R1 to R3 frame of ACS/H/Q580 series