Certificate of Compliance

Certificate: 70046929 **Master Contract:** 170351

Project: 80073637 **Date Issued:** 2021-03-04

Issued to: Bel Fuse Inc.
206 Van Vorst St
Jersey City, New Jersey 07302
USA

Attention: Editha S. Vergara

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

C US

Issued by: *Markus Hackl*
Markus Hackl

PRODUCTS

CLASS – 5311 11 - POWER SUPPLIES - Component Type (CSA 60950-1-07-2nd Ed)
CLASS – 5311 91 - POWER SUPPLIES - Component Type (UL 60950-1-2nd Ed) - Certified to U.S. Stds

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Component type power supplies intended for use with Information Technology and Business Equipment, where the suitability of the combination is to be determined by CSA Group.

AC/DC Switching Power Supply, Models SP663 and PFC250-Series with optional suffixes BABT, C, M, F, G, SXXX or SXXXG, where 'X' equals any number from 0-9, denoting non-safety critical options.

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ELECTRICAL RATINGS: (Optional)

Model	Input				Output	
	V	A	Hz		V	A
PFC250-1003	100-240	5	50/60	V1:	3.3	50
PFC250-1005	100-240	5	50/60	V1:	5	50
PFC250-1012	100-240	5	50/60	V1:	12	23
PFC250-1015	100-240	5	50/60	V1:	15	18.3
PFC250-1024	100-240	5	50/60	V1:	24	10.5
PFC250-1048	100-240	5	50/60	V1:	48	6
PFC250-4000	100-240	5	50/60	V1:	5	40
				V2:	12	10
				V3:	12	6
				V4:	5	3
PFC250-4001	100-240	5	50/60	V1:	5 4	0
				V2:	12	10
				V3:	12	6
				V4:	12	3
PFC250-4004	100-240	5	50/60	V1:	5	40
				V2:	12	10
				V3:	15	6
				V4:	15	3
PFC250-4350, -S168	100-240	5	50/60	V1:	3.3	40
				V2:	5	20
				V3:	12	6
				V4:	12	3
PFC250-4530	100-240	5	50/60	V1:	5	40
				V2:	3.3	20
				V3:	12	6
				V4:	12	3
SP663	100-240	5	50/60	V1:	3.3	35
				V2:	2.5	35
				V3:	12.5	1
				V4:	5.5	3

Notes:
(a) V1 and V2 have common "Return"
(b) V1 and V2 combined maximum output not to exceed 40 A
(c) V3 and V4 are isolated and can be wired "+" or "-"
(d) V3 and V4 combined output not to exceed 6.6 A

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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 60950-1-07, +Am.1:2011 +Am.2:2014	-	Information Technology Equipment - Safety - Part 1: General Requirements
UL 60950-1-2014	-	Information Technology Equipment - Safety - Part 1: General Requirements

CONDITIONS OF ACCEPTABILITY

When installed in the end-use equipment, consideration shall be given to the following:

1. This component has been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, CSA/UL 60950-1, Second Edition, dated March 27, 2007, including Am 1:2001 and Am 2:2014, Sub-Clause 2.10, which would cover the component itself if submitted for Listing.

2. All secondary output circuits are SELV and are not hazardous energy levels.

3. The terminals and connectors have not been evaluated for factory wiring.

4. The power supply shall be properly bonded to the main protective earthing termination in the end product.

5. Magnetic devices (e.g. transformers, inductors), T1, T2 and L6 employ an Unlisted Component (OBJY3) electrical insulation system designated Class F.

6. The equipment has been evaluated for use in a Pollution Degree 2 environment.

7. The products were tested on a 20 A branch circuit. If used on a branch circuit greater than this, additional testing may be necessary.

8. A suitable Electrical and Fire enclosure shall be provided.

9. Maximum Output Power - For models PFC250-4000, -4001, -4004, -4350, -4530 is 250 W maximum continuous output with 300 LFM forced air cooling applied to the input section of the power supply and 125 W when convection cooled.

   For model PFC250-1003 is 165 W with 300 LFM airflow.
   For model PFC250-1005 is 250 W with 300 LFM airflow.
   For model PFC250-1012 is 276 W with 300 LFM airflow.
   For model PFC250-1015 is 276 W with 300 LFM airflow.
   For model PFC250-1024 is 252 W with 300 LFM airflow.
   For model PFC250-1048 is 288 W with 300 LFM airflow.

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
80073637	2021-03-04	Update to report 70046929 to change input rating from 85-250 Vac to 100-240 Vac.
70046929	2015-09-16	AC/DC Switching Power Supply, Models SP663 and PFC250-Series. (C/US) (transferred from 173688 - 2264254 and upgraded to include Am1 and Am2).