



Certificate of Compliance

Certificate: 70047007

Master Contract: 170351

Project: 70047007

Date Issued: 2015-09-16

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.



*Juan-Carlos
Olivera*
Issued by: Juan-Carlos Olivera,
MSc.

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, Model MAP80 Series; input rated 110 VAC, 2.5 A, 60 Hz and 230 VAC, 1.6 A, 50 Hz.



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Output ratings:

Model	Output #1		Output #2		Output #3		Output #4		Output Power (W)	
	VDC	A	VDC	A	VDC	A	VDC	A	w/o fan	W/ fan
MAP80-1005	5	16	--	--	--	--	--	--		
MAP80-1012	12 or 15	7.5 or 6	--	--	--	--	--	--	75	90
MAP80-1024	24 or 28	3.8 or 3.2	--	--	--	--	--	--	75	90
MAP80-4000	5	14	12	4	-5	1	-12	1	65	80
MAP80-4001	5	14	24	2	-12	1	12	1	65	80
MAP80-4002	5	14	12	4	12	1	12	1	65	80
MAP80-4003	5	14	15	3.5	-5	1	-15	1	65	80
MAP80-4004	5	14	24	2	-15	1	15	1	65	80
MAP80-4010	5	14	12	4	-5	1	-12	3	65	80
MAP80-4010NC*	5	4	12	2	-5	0.6	-12	1.5	--	--
MAP80-4020	5	14	12	4	-12	1	-5	3	65	80

Notes:

- All models may be followed by any combination of the following suffixes: L, C, P, T, M, G, SXXX or SXXXG, where L is for L bracket, C is cover, P is Power Fail Detect Circuit, T is over temperature shutdown, M is Metric hardware, G/SXXX/SXXXG, X is from 0 to 9, denoting non-safety critical options.
- *) Not provided with a chassis. Output rated 65 W for 50 Deg C ambient, convection cooled.



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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 60950-1-07,
+Am.1:2011 +Am.2:2014

UL 60950-1-2014

– Information Technology Equipment - Safety - Part 1: General Requirements

– Information Technology Equipment - Safety - Part 1: General Requirements

CONDITIONS OF ACCEPTABILITY

1. The power supply is to be installed only by trained service personnel, according to manufacturer installation instructions.
2. Evaluated as Class I (earthed equipment). Reliable earth connection shall be provided in the end use installation.
3. Temperature tests shall be considered for specific installation conditions in the end system.
4. Suitable fire and electrical enclosure shall be provided in the end system.
5. All secondary output circuits for all models are SELV.
6. The use of an external cooling fan (100 lfm, minimum) shall be determined at end use if the 25 Deg C ambient is exceeded.



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
70047007	2015-09-16	AC-DC Switching Power Supply, Model MAP80 Series. (C/US) (transferred from 173688 - 2235803 and upgraded to include Am1 and Am2).