



Certificate of Compliance

Certificate: 70027611

Master Contract: 170351

Project: 70027611

Date Issued: March 31, 2015

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.



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

PRODUCTS

CLASS - C531111 - POWER SUPPLIES - Component Type (CSA 60950-1-07-2nd Ed)

CLASS - C531191 - POWER SUPPLIES - Component Type (UL 60950-1-2nd Ed) Certified to U.S. Std

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.

DC-DC Power Supply, Model IMX15, IMS15, KMX15, KMS15, IMY15, and KMY15 series; specified as follows:

Model Series	Input (V dc)	Output	
		V dc	W
IMX15, IMS15, KMX15, KMS15	8.4-75	0-24	18 W maximum
IMY15, KMY15	50-150	0-24	18 W maximum

Notes:



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1. X suffix may be followed by a dash (-) and suffix letters and/or numbers denoting non-safety-critical options (unless described otherwise in the report) such as, but not limited to, open frame, positive or negative shut down, non-standard pin configuration, increased electric strength, etc.
2. The units may have one or two outputs, see Part Number Designation. IM- and KM- Series are identical except for model number, and Maximum power is always the same.

Part Number Designation:

40	IM	X	15	24	24	F	M	N
A	B	C	D	E	F	G	H	I

- A - Nominal input voltage DC 12, 20, 24, 40, 48 or 110.
- B - Series IM or KM.
- C - May be S or X or Y.
- D - Nominal output power 15 W.
- E - Output voltage single DC (01 V through 24 V).
- F - Output voltage dual DC (01 V through 24 V).
- G - Temperature index of modules.
- H - Additional options.
- I - Up to two alphanumeric characters.

APPLICABLE REQUIREMENTS

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

CONDITIONS OF ACCEPTABILITY

1. The DC-DC converter shall be installed in compliance with the enclosure, mounting, spacing, casualty and segregation requirements of the ultimate application. It is intended for PWB mounting.
2. Consideration should be given to ensure that the temperatures on the chassis do not exceed 90°C installed in the end-use equipment.
3. The outputs are considered to be non-energy hazards.
4. The input/output connectors are not acceptable for field wiring and are only intended for connection to mating connectors of the internal wiring inside the end-use product. The acceptability of these and the mating connectors relative to secureness, insulation materials and temperatures shall be considered.
5. For IMX, IMS, KMX, KMS Series when the input voltage is hazardous voltage, the output voltage is considered to be ELV. When the input voltage is SELV or ELV then the output is considered as SELV.



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6. The IMY, KMY series outputs are considered to be SELV due to reinforced insulation.
7. The need for conducting a leakage current test is to be determined as part of the end product evaluation.
8. The temperature test was conducted with the power supply 20 mm above a bench in horizontal position.



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
70027611	Mar 31 2015	DC-DC Power Supply, Models IMX15, IMS15, KMX15, KMS15, IMY15, and KMY15 series . (C/US) (transferred from 173688 - 2262747 and upgraded to include Am1 and Am2)