



Certificate of Compliance

Certificate:

80253738

Master Contract:

170351

Project:

80253738

Date Issued:

2025-05-08

Issued to:

Bel Fuse Inc.
300 Executive Drive
Suite 300
West Orange, New Jersey
07052
United States

Issued by:

Jason Cleary
Jason Cleary

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.



PRODUCTS

Class 5311 67 POWER SUPPLIES - Component Type (CSA 62368-1)

Class 5311 97 POWER SUPPLIES - Component Type (UL 62368-1) - Certified to US Stds

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 Converter, Model Q Series represented by YQXXXX-WZ, where:

Y represents letters B, C, D, E, G, or 48



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X represents a number 0-9 which represents number of outputs and voltage rating

W represents operating ambient temperature, and

Z represents a letter indicating non-safety critical options.

All model designations may be followed by "G" indicating RoHS compliance. See Electrical Ratings for details.

TYPICAL MODEL DESIGNATION:

Y	Q	X	X	XX	-	W	Z
I	II	III	IV	V	-	VI	VII

I – Input Voltage, V dc:

- B – 14.4 to 36
- C – 33.6 to 75
- D – 43 to 108
- E – 65 to 150
- G – 21.6 to 54
- 48 – 38.4 to 75

II – Model Series: Q

III – No. of Outputs:

- 1 – Single Output
- 2 – Double Output
- 6 – Single Output (long case)
- 7 – Double Output (long case)

IV – Single Output Models:

- 0 – 5.1 V
- 1 – 3.3 V
- 3 – 12 V
- 5 – 15 V
- 6 – 24 V
- 7, 8, 9 – other voltages

V – Double Output Models:

- 01 to 09 – 5.1 V
- 20 to 39 – 12 V
- 40 to 59 – 15 V
- 60 to 79 – 24 V

VI – Operational ambient temperature range Ta:

- 2 – -10°C to 50°C
- 7 – -25°C to 71°C
- 9 – -40°C to 71°C
- 0,-5-6 – not to exceed 80°C or 95°C (custom dependant)



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VII- Options Suffix: X = Letters or numbers (customer dependant) denoting non-safety-critical options such as, but not limited to, potentiometer, Output voltage control input, etc.

Note: IV – Single Output Models: Options 7, 8 & 9 are for future use and was not a part of this evaluation.

Electrical Ratings:

MODEL BQXXXX SERIES – Input Rating: 14.4 – 36 V dc

Model	Output, DC							
	Output 1			Output 2			Output Power, max ¹	
Model	V dc	Inom, A	Imax, A	V dc	Inom, A	Imax, A	P1, W	P2, W
BQ1101	3.3	20	25	NA	NA	NA	82	66
BQ1001	5.1	16	20	NA	NA	NA	102	82
BQ2320	12.0	8	10	NA	NA	NA	120	96
Or	12.0 ³	4	5	12.0 ³	4	5	120	96
BQ2540	15.0	6.6	8	NA	NA	NA	120	99
Or	15.0 ³	3.3	4	15.0 ³	3.3	4	120	99
BQ2660	24.0	4.4	5.5	NA	NA	NA	132	106
Or	24.0 ³	2.2	2.75	24.0 ³	2.2	2.75	132	106
BQ2001	5.1 ³	7.5	8.5	5.1 ³	7.5	8.5	97	77

MODEL GQXXXX SERIES – Input Rating: 21.6 – 54 V dc

Model	Output, DC							
	Output 1			Output 2			Output Power, max ¹	
Model	V dc	Inom, A	Imax, A	V dc	Inom, A	Imax, A	P1, W	P2, W
GQ1101	3.3	20	25	NA	NA	NA	82	66
GQ1001	5.1	16	20	NA	NA	NA	102	82
GQ2320	12.0	8	10	NA	NA	NA	120	96
Or	12.0 ³	4	5	12.0 ³	4	5	120	96
GQ2540	15.0	6.6	8	NA	NA	NA	120	99
Or	15.0 ³	3.3	4	15.0 ³	3.3	4	120	99
GQ2660	24.0	4.4	5.5	NA	NA	NA	132	106
Or	24.0 ³	2.2	2.75	24.0 ³	2.2	2.75	132	106



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GQ2001	5.1 ³	7.5	8.5	5.1 ³	7.5	8.5	97	77
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MODEL CQXXXX SERIES – Input Rating: 33.6 – 75 V dc

Model	Output, DC							
	Output 1			Output 2			Output Power, max ¹	
Model	V dc	Inom, A	Imax, A	V dc	Inom, A	Imax, A	P1, W	P2, W
CQ1101	3.3	20	25	NA	NA	NA	82	66
CQ1001	5.1	16	20	NA	NA	NA	102	82
CQ2320	12.0 ²	8	10	NA	NA	NA	120	96
Or	12.0 ³	4	5	12.0 ³	4	5	120	96
CQ2540	15.0 ²	6.6	8	NA	NA	NA	120	99
Or	15.0 ³	3.3	4	15.0 ³	3.3	4	120	99
CQ2660	24.0 ²	4.4	5.5	NA	NA	NA	132	106
Or	24.0 ³	2.2	2.75	24.0 ³	2.2	2.75	132	106
CQ2001	5.1 ³	7.5	8.5	5.1 ³	7.5	8.5	97	77

MODEL 48QXXXX SERIES – Input Rating: 38.4 – 75 V dc

Model	Output, DC							
	Output 1			Output 2			Output Power, max ¹	
Model	V dc	Inom, A	Imax, A	V dc	Inom, A	Imax, A	P1, W	P2, W
48Q1001	5.1	16	NA	NA	NA	NA	82	-
48Q2320	12.0 ²	8	NA	NA	NA	NA	96	-
Or	12.0 ³	4	NA	12.0 ³	4	NA	96	-
48Q2540	15.0 ²	6.6	NA	NA	NA	NA	99	-
Or	15.0 ³	3.3	NA	15.0 ³	3.3	NA	99	-
48Q2660	24.0 ²	4.4	NA	NA	NA	NA	106	-
Or	24.0 ³	2.2	NA	24.0 ³	2.2	NA	106	-

MODEL DQXXXX SERIES – Input Rating: 43 – 108 V dc

	Output, DC							
	Output 1			Output 2			Output Power, max ¹	



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Model	V dc	Inom, A	Imax, A	V dc	Inom, A	Imax, A	P1, W	P2, W
DQ1101	3.3	20	25	NA	NA	NA	82	66
DQ1001	5.1	16	20	NA	NA	NA	102	82
DQ2320	12.0 ²	8	10	NA	NA	NA	120	96
Or	12.0 ³	4.5	5	12.0 ³	4.5	5	120	96
DQ2540	15.0 ²	6.6	8	NA	NA	NA	120	96
Or	15.0 ³	3.3	4	15.0 ³	3.3	4	120	96
DQ2660	24.0 ²	4.4	5.5	NA	NA	NA	132	106
Or	24.0 ³	2.2	2.75	24.0 ³	2.2	2.75	132	106
DQ2001	5.1 ³	7.5	8.5	5.1 ³	7.5	8.5	97	77

MODEL EQXXXX SERIES – Input Rating: 65 – 150⁴ V dc

Model	Output, DC							
	Output 1			Output 2			Output Power, max ¹	
Model	V dc	Inom, A	Imax, A	V dc	Inom, A	Imax, A	P1, W	P2, W
EQ1101	3.3	20	25	NA	NA	NA	82	66
EQ1001	5.1	16	20	NA	NA	NA	102	82
EQ2320	12.0 ²	8	10	NA	NA	NA	120	96
Or	12.0 ³	4.5	5	12.0 ³	4.5	5	120	96
EQ2540	15.0 ²	6.6	8	NA	NA	NA	120	96
Or	15.0 ³	3.3	4	15.0 ³	3.3	4	120	99
EQ2660	24.0 ²	4	5.5	NA	NA	NA	132	106
Or	24.0 ³	2.2	2.75	24.0 ³	2.2	2.75	132	106
EQ2001	5.1 ³	7.5	8.5	5.1 ³	7.5	8.5	97	77

Notes:

1. The cumulative power of both outputs cannot exceed the total power for the specified ambient temperature.
2. Double-output models with both outputs connected in parallel
3. Two isolated outputs, 2nd output is tracking
4. 168 V dc for less than or equal to 2 sec.
 - i. P1 – Maximum output power at ambient temperature (Ta) at 50°C or case temperature (Tc) at 80°C.
 - ii. P2 – Maximum output power at ambient temperature (Ta) at 71°C or case temperature (Tc) at 95°C.
 - iii. Operating ambient temperatures are indicated as follows: 2 = -10 to 50°C; 7 = -25 to 71°C; 9 = -40 to 71°C; 0, 5, 6 = any



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other operating range (custom models).

APPLICABLE REQUIREMENTS

CSA C22.2 No. 62368-1:19 - Third Edition - Including Update No. 1: October 2021 - Audio/video, information and communication technology equipment - Part 1: Safety requirements

UL 62368-1:2019 - Third Edition - Including revisions through October 22, 2021 - UL Standard for Safety Audio/video, information and communication technology equipment – Part 1: Safety requirements



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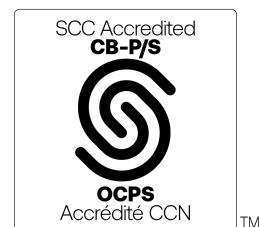
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Notes:

Products certified under Class(es) C531167, C531197 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
80253738	2025-05-08	<p>DC/DC Converter, Model Q Series</p> <ul style="list-style-type: none">- Upgrade CSA Report 70040692 from 60950-1 to 62368-1 (3.0), and include alternate component sources.- based on acceptance of data under the CPC program