



CSA INTERNATIONAL

Certificate of Compliance

Certificate: LR 60474-310

Master Contract: 174688

Project 1644130 (Ed.5)

Date Issued: April 22, 2005

Issued to: Cosel Co., Ltd.
Tateyama Factory
78 Dogenji, Tateyama-Machi
Nakaniikawa-Gun, Toyama-Ken
930-0241, Japan

The products listed below are eligible to bear the CSA Mark shown



Issued by: Sherman Bau, P. Eng.

Authorized by: Egon H. Varju,
Operations Manager

PRODUCTS

CLASS 5311 07 - POWER SUPPLIES - Component Type – For use in IT Equipment (CSA 60950-1-03)

Class III (SELV Accessible) DC-DC Converter provided with functional insulation only.

Model	Level	Input		Output	
		Vdc	A	Vdc	A
ZUS10053R3	3	4.5 - 9	2.0 (DC5V)	3.3	1.6
ZUS100505	3	"	2.80 "	5	1.6
ZUS100512	3	"	2.90 "	12	0.7
ZUS100515	3	"	3.10 "	15	0.6
ZUS101205	3	9 - 18	1.60 (DC12V)	5	2.0
ZUS101212	3	"	1.75 "	12	0.9
ZUS101215	3	"	1.70 "	15	0.7
ZUS10243R3	3	18 - 36	0.80 (DC24V)	3.3	1.7
ZUS102405	3	"	0.80 (DC24V)	5	2.0



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Model	Level	Input		Output	
		Vdc	A	Vdc	A
ZUS102412	3	"	0.86 "	12	0.9
ZUS102415	3	"	0.84 "	15	0.7
ZUS10483R3	3	36 -60	0.27 (DC48V)	3.3	2.0
ZUS104805	3	"	0.40 "	5	2.0
ZUS104812	3	"	0.43 "	12	0.9
ZUS104815	3	"	0.42 "	15	0.7
ZUW100512	3	4.5 -9	2.90 (DC5V)	± 12(+24)	350mA
ZUW100515	3	"	3.10 "	± 15(+30)	300mA
ZUW101212	3	9 -18	1.75 (DC12V)	± 12(+24)	450mA
ZUW101215	3	"	1.70 "	± 15(+30)	350mA
ZUW102412	3	18 -36	0.86 (DC24V)	± 12(+24)	450mA
ZUW102415	3	"	0.84 "	± 15(+30)	350mA
ZUW104812	3	36 - 60	0.43 (DC48V)	± 12(+24)	450mA
ZUW104815	3	"	0.42 "	± 15(+30)	350mA

Note:

Component type power supplies for use with Information Technology and Electrical Business Equipment where the suitability of the combination is determined by the CSA International.

APPLICABLE REQUIREMENTS

- CAN/CSA-C22.2 No 0-M91 - General Requirements - Canadian Electrical Code, Part II
- CAN/CSA - C22.2 No. 60950-1-03 - Information Technology Equipment – safety – Part 1: General Requirement