


IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)
CB SCHEME

CB TEST CERTIFICATE

Product	Switching Power Supply
Name and address of the applicant	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER R&D DIV 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN
Name and address of the manufacturer	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER R&D DIV 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN
Name and address of the factory	TDK-LAMBDA MALAYSIA SDN BHD LOT 2 & 3, BATU 9 3/4 KAWASAN PERINDUSTRIAN BANDAR BARU JAYA GADING 26070 KUANTAN PAHANG MALAYSIA <input checked="" type="checkbox"/> Additional Information on page 2
<i>Note: When more than one factory, please report on page 2</i>	
Ratings and principal characteristics	See Page 2
Trademark / Brand (if any)	
Type of Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	RWS1000B-12/ME, RWS1000B-15/ME, RWS1000B-24/ME, RWS1000B-36/ME, RWS1000B-48/ME See Page 2
Additional information (if necessary may also be reported on page 2)	The report was revised to include administrative modifications. <input checked="" type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 60601-1:2005/AMD1:2012, IEC 60601-1:2005
As shown in the Test Report Ref. No. which forms part of this Certificate	E309264-D1027-2/A1/C0-CB issued on 2020-02-10

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2020-02-11

Original Issue Date: 2019-09-17

Signature:

Jolanta M. Wroblewska

Model Details:

RWS1000B-12/ME, RWS1000B-15/ME, RWS1000B-24/ME, RWS1000B-36/ME, RWS1000B-48/ME may be followed by suffix "abcd" (a is R or S, b is CO2, c is FO, d is RF; and "a", "b", "c" and "d" may be blank)

Options "abcd" are defined as below.

- a: R (control on/off to output) or S (AUX output with 5 Vdc),
- b: CO2 (thin coating (QMJU2) on both sides of printed wiring board to prevent unintentional objectives from adhering),
- c: FO (remote sensing, parallel operation, low output voltage alarm),
- d: RF (DC fan with opposite direction and air flow, and different derating curve),

In addition, there is "RFO" combination "R" and "FO".

All the combinations using the options above are available except for "R"+"RFO" and "FO" + "RFO".

For "FO" and "RFO" only, transformer (T1) is used.

Suffix "S" mainly indicates AUX output with 5 Vdc, 1 A, and the associated changes below.

- Circuit diagram, silk/pattern trace layouts,
- Additional transformer (T401),
- Additional insulation sheet to keep adequate spacing,
- Alternate noise filter coil (L1), type DN-DL3626, Instead, type DN-DL3153 is not used.
- Change of shape of fan flow barrier for suffix "S" + "RF"

Factories:

ALPS LOGISTICS FACILITIES CO LTD
593-1 NISHIOHASHI
TSUKUBA-SHI IBARAKI-KEN 305-0831 JAPAN

TDK-LAMBDA CORP
2704-1 SETTAYA-MACHI
NAGAOKA-SHI NIIGATA-KEN 940-1195 JAPAN

TDK-LAMBDA MALAYSIA SDN BHD
PLO33 KAWASAN PERINDUSTRIAN SENAI 81400
SENAI JOHOR MALAYSIA

SENDAN ELECTRONICS MFG CO LTD
1010 HABUSHIN
NANTO-SHI TOYAMA-KEN 939-1756 JAPAN

WUXI TDK-LAMBDA ELECTRONICS CO LTD
NO 6 XING CHUANG ER LU
WUXI JIANGSU 214028 CHINA

ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD
TONGXIN RD ZHAOFENG ECONOMIC DEVELOPMENT ZONE
LEYU TOWN ZHANGJIAGANG JIANGSU 215622 CHINA

TDK-LAMBDA (CHINA) ELECTRONICS CO., LTD.
NO.95, ZHUJIANG RD, XINWU DISTRICT,
WUXI JIANGSU CHINA

Additional information (if necessary)



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- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
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Ref. Certif. No.

US-34422-A1-UL

Ratings:

Input: 100-240 Vac, 13.0 A, 50-60 Hz

Output:

- RWS1000B-12/ME: 12 Vdc, 84 A
- RWS1000B-15/ME: 15 Vdc, 67 A
- RWS1000B-24/ME: 24 Vdc, 42 A
- RWS1000B-36/ME: 36 Vdc, 28 A
- RWS1000B-48/ME: 48 Vdc, 21 A
- AUX output for suffix "S": 5 Vdc, 1 A

Additional Information:

Additionally evaluated to EN 60601-1:2006/ A1:2013/ A12:2014; National Differences specified in the CB Test Report. Risk Management was not included in this investigation.

The original report was modified as Administrative Amendment to include the following changes/additions:

- Addition of factory, TDK-Lambda (China) Electronics Co., Ltd., No.95, Zhujiang Rd, Xinwu District, Wuxi Jiangsu China

Additional information (if necessary)



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- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
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