



Ref. Certif. No.

JP-14620-A1-UL

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

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

Note: When more than one factory, please report on page 2

Additional Information on page 2

Ratings and principal characteristics

See Page 2

Trademark (if any)



Type of Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

ZWS240BP-abcdef (a = 24, 36, 48, b = "/" or blank, c = "T" or blank, d = "R" or blank, e = "A", "L" or blank, f = "CO2", "FG" or blank), ZWS240BP-48/SE52P

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to EN 62368-1:2014/ A11:2017.
National Differences specified in the CB Test Report.

Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62368-1:2014

As shown in the Test Report Ref. No. which forms part of this Certificate

4788715716-2 issued on 2018-11-08

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: 2018-11-13
Original Issue Date: 2017-10-26

Signature:

Masamichi Takagi



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JP-14620-A1-UL

Factories:

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

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

TDK-LAMBDA MALAYSIA SDN BHD
LOT 2 & 3, BATU 9 3/4 KAWASAN PERINDUSTRIAN BANDAR BARU JAYA GADING 26070 KUANTAN
MALAYSIA

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

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

Ratings:

Model: ZWS240BP-abcdef
Input: 100-240VAC, 50-60Hz, 3.9A (*)
Output: (See Test Report.)

Model: ZWS240BP-48/SE52P
Input: 200-240 VAC, 50-60 Hz, 1.6 A (*)
Output: (See Test Report.)

(*) – See Test Report for derating of input current.

Additional Information:

The original report was modified to include the following changes/additions:
(Technical Modification)

- Addition of Alternate Inductor /L3, Tamura Corporation, type TAM25301.
- Addition of Alternate Y-capacitor/ C9, C10, Murata Mfg Co., Ltd., type KX, 1500pF max.
- Minor component changes in Primary and Secondary circuit.
- Addition of alternate circuit diagram, PWB pattern trace and component layout design. (Enclosure Id 3-08, 4-04, 5-02)
- Revision of the title of Enclosure Id 7-03 to "Specification of Inductor/ L3 (TDK-Lambda Corp., Type A25301x (x=A to Z, or blank))".
- Additional evaluation of Group & National Differences for IEC 62368-1:2014 fulfilling the requirements of EN 62368-1:2014 + A11:2017 (See Summary of compliance with National Differences).

Additional information (if necessary)



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