



Ref. Certif. No.

JP-25744-M2-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	<input checked="" type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	See Page 2
Trademark / Brand (if any)	
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	ZWS240BP-abcdefg (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, g = "N" or blank), ZWS240BP-48/SE52P
Additional information (if necessary may also be reported on page 2)	The report was revised to include technical modifications. Additionally evaluated to EN IEC 62368-1:2020/ A11:2020. National Differences specified in the CB Test Report. <input checked="" type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2018
As shown in the Test Report Ref. No. which forms part of this Certificate	E122103-A6165-CB-1 issued on 2023-11-23

This CB Test Certificate is issued by the National Certification Body



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

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

Date: 2023-11-24
Original Issue Date: 2021-12-16

Signature: Masamichi Takagi



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Factory(ies):

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 PAHANG
MALAYSIA

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

TDK-LAMBDA (CHINA) ELECTRONICS CO LTD
NO.95, ZHUJIANG RD, XINWU DISTRICT WUXI JIANGSU 214028
CHINA

Ratings:

Model: ZWS240BP-abcdefg
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.

Summary of Modifications:

- Deletion of Factory, ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD,
NO.15 TONGXIN RD, ZHAOFENG ECONOMIC DEVELOPMENT ZONE, LEYU TOWN ZHANGJIAGANG JIANGSU 215622
CHINA.
- Addition of Alternate X-capacitor/ C1, C4, TDK (Zhuhai FTZ) Co., Ltd., type B3293, Xiamen Faratronic Co. Ltd., type MKP62
and Eurotronic (SuZhou) Co. Ltd., type MPX2.
- Addition of Alternate Y-capacitors/ C2, C3, C9, C10, Murata Mfg Co., Ltd., type RA-Series and TDK Corporation, type CD
series.
- Addition of Alternate Varistors/ SA1, SA2, Nippon Chemi-Con Corp, type TND12V-471K or TNR12V471K and Thinking
Electronic Industrial Co.,Ltd., type TVR10471-V.
- Addition of Alternate Thermistor/ TH1, THINKING ELECTRONIC INDUSTRIAL CO LTD, type SCK-104.
- Correction of Alternate Bobbin material of T2, from PM-9630 to PM-9750 due to typo.
- Addition of Alternate Opto-couplers/ PC101, PC102, PC103 (PC103: optional), TOSHIBA ELECTRONIC DEVICES & STORAGE
CORPORATION, type TLP291 and EVERLIGHT ELECTRONICS CO LTD, type EL3H7 V.
- Addition of Japan National Differences and China National Differences.
- Update of U.S.A. and Canada National Differences.
- Update of manufacturer name, model name, standard and Mark of conformity of some components of table 4.1.2.

Additional information (if necessary)



- UL Solutions (US), 333 Pflugsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
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