



Ref. Certif. No.

JP-20360-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	TDK-LAMBDA CORP 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 940-1195 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 (if any)	
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	ZWS150B-abcdef ("a" = 3, 5, 12, 15, 24, 48. "b" = "/" or blank. "c" = "A", "L" or blank. "d" = "CO2" or blank. "e" = "FG" or blank. "f" = "FV" or blank.)
Additional information (if necessary may also be reported on page 2)	The report was revised to include technical modifications. Additionally evaluated to EN 62368-1:2014/ A11:2017. National Differences specified in the CB Test Report. <input checked="" type="checkbox"/> Additional Information on page 3
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	E122103-A6016-CB-1 issued on 2022-01-31

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: 2022-02-03
Original Issue Date: 2018-08-30

Signature:
Masamichi Takagi



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Factory(ies):

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

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

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

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

ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD
NO.15 TONGXIN RD, ZHAOFENG ECONOMIC DEVELOPMENT ZONE, LEYU TOWN ZHANGJIAGANG JIANGSU 215622
CHINA

YOKOTE SEIKO CO., LTD.
1-71 ARAYATORIKIMACHI AKITA-SHI AKITA 010-1633
JAPAN

Ratings:

Input:
100-120 Vac, 50/60 Hz, 2.7 A (for models of a = 3)
3.7 A (for the other models)
200-240 Vac, 50/60 Hz, 1.3 A (for models of a = 3)
2.0 A (for the other models)

Output:
ZWS150B-3 3.3 Vdc (2.64 - 3.63 V), 30 A, 99.0 W
ZWS150B-5 5 Vdc (4.0 - 5.5 V), 30 A, 150.0 W
ZWS150B-12 12 Vdc (9.6 - 13.2 V), 12.5 A, 150.0 W
ZWS150B-15 15 Vdc (12.0 - 16.5 V), 10 A, 150.0 W
ZWS150B-24 24 Vdc (19.2 - 26.4 V), 6.3 A, 151.2 W
ZWS150B-48 48 Vdc (38.4 - 52.8 V), 3.2 A, 153.6 W

Additional information (if necessary)



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Summary of Modifications:

- Change of test result for Connector CN1 in Table 5.4.1.10.3 to Reference Only.
- Addition of reference information for alternate material of Input connector, KINGFA SCI & TECH CO LTD, Type PA66-RNG00(r4)(f1)(##) in Table 5.4.1.10.3.
- Addition of Alternate Coating for PWB (option), Humiseal, Div Of Chase Corp, Type 1B59LU.
- Addition of Alternate Coating for PWB (option), Manufacture: Interchangeable, Type: Interchangeable.
- Addition of Factory "YOKOTE SEIKO CO., LTD."
- Change of Manufacturer of alternate Coating for PWB, Type 1-2577 or 1-2577 Low VOC to Dow Silicones Corp.
- Change of Manufacturer of alternate Coating for PWB, Type Pelgan Z to Dow Toray Co., Ltd.

Additional information (if necessary)



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