



Ref. Certif. No.

JP-20170-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 (CHINA) ELECTRONICS CO LTD
NO.95, ZHUJIANG RD, XINWU DISTRICT WUXI JIANGSU 214028
CHINA

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)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

ZWS10B-abcdef
a = 3, 5, 12, 15, 24. 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.

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

4790403552 issued on 2022-05-11

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: 2022-05-16
Original Issue Date: 2018-05-25

Signature: Masamichi Takagi



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Factory(ies):

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

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

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

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

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

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

Ratings:

Input: AC100-240V, 50/60Hz,
0.2A (for model ZWS10B-3),
0.3A (except for model ZWS10B-3)

Output :
ZWS10B-3bcdef: 2.97-3.63Vdc, Maximum 2A, Maximum 6.6W
ZWS10B-5bcdef: 4.5-5.5Vdc, Maximum 2A, Maximum 10W
ZWS10B-12bcdef: 10.8-13.2Vdc, Maximum 0.9A; Maximum 10.8W
ZWS10B-15bcdef: 13.5-16.5Vdc, Maximum 0.7A; Maximum 10.5W
ZWS10B-24bcdef: 21.6-26.4Vdc, Maximum 0.5A; Maximum 12W

Summary of Modifications:

- Addition of Alternate Coating for PCB (Optional), Humiseal, Div Of Chase Corp, 1B59LU.
- Addition of Alternate Coating for PCB (Optional), Manufacture: Interchangeable, Type: Interchangeable

Additional information (if necessary)



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- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
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M. Takagi
Masamichi Takagi