



Ref. Certif. No.

JP-25806-M1-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 | <input checked="" type="checkbox"/> Additional Information on page 2 |
| Ratings and principal characteristics | See Page 3 |
| Trademark (if any) | |
| Customer's Testing Facility (CTF) Stage used | |
| Model / Type Ref. | See Page 2 |
| 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. |
| A sample of the product was tested and found to be in conformity with | <input checked="" type="checkbox"/> Additional Information on page 3 IEC 62368-1:2014 |
| As shown in the Test Report Ref. No. which forms part of this Certificate | E122103-A6230-CB-1 issued on 2022-04-11 |

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: 2022-04-12
Original Issue Date: 2022-01-17

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

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

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

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

Model Detail(s):

ZWS150BAF-abcdefghij
a = 3, 5, 12, 15, 24 or 48
b = "/" or blank
c = "R" or blank
d = "A", "L" or blank
e = "CO2" or blank
f = "FG" or blank
g = "FV" or blank
h = "FGM" or blank
i = "SN" or blank
j = "N" or blank
ZWS150BAF-24/FU

Additional information (if necessary)



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M. Takagi
Masamichi Takagi



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Ratings:

Input:

Model ZWS150BAF-3bcdefghij:

100-240 Vac, 50/60 Hz, 1.4A

Models ZWS150BAF-5bcdefghij, -12bcdefghij, -15bcdefghij, -24bcdefghij, -48bcdefghij and ZWS150BAF-24/FU

100-240 Vac, 50/60 Hz, 2.0A

Output:

3.3 Vdc, 30A: ZWS150BAF-3bcdefghij (DC 2.64 - 3.63 V, max 30A, max 99.0W)

5 Vdc, 30A: ZWS150BAF-5bcdefghij (DC 4.0 - 5.5 V, max 30A, max 150W)

12 Vdc, 12.5A: ZWS150BAF-12bcdefghij (DC 9.6 - 13.2 V, max 12.5A, max 150W)

15 Vdc, 10A: ZWS150BAF-15bcdefghij (DC 12.0 - 16.5 V, max 10A, max 150W)

24 Vdc, 6.3A: ZWS150BAF-24bcdefghij and ZWS150BAF-24/FU (DC 19.2 - 26.4 V, max 6.3A, max 151.2W)

48 Vdc, 3.2A: ZWS150BAF-48bcdefghij (DC 38.4 - 52.8 V, max 3.2A, max 153.6W)

Summary of Modifications:

- Addition of Bleeder resistor/ R101, R102, R103 (Alternate), KOA Corporation, RK73H2BRT+2203F (+ = one, two, or three letters which denotes shipping specification).
- Addition of alternate Y-capacitor / C2, C3, TDK Corporation, CD (miniature series).
- Addition of Model Suffix "j".
- Update of Ratings information.

Additional information (if necessary)



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