



Ref. Certif. No.

JP-14363-A3-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 <input checked="" type="checkbox"/> Additional Information on page 2 |
| Note: When more than one factory, please report on page 2 | |
| Ratings and principal characteristics | Input: AC100-240 V, 50-60 Hz, 0.3 A (for Model HWS15A-3) and 0.4 A (for all models except for Model HWS15A-3) |
| Trademark / Brand (if any) | |
| Customer's Testing Facility (CTF) Stage used | |
| Model / Type Ref. | HWS15A-3, HWS15A-5, HWS15A-12, HWS15A-15, HWS15A-24, HWS15A-48 Maybe followed by suffix "abcd" (a is "/" or blank, b is "HD" or blank, c is "A" or blank, d is "FG", "DIN" 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, IEC 60950-1:2005, IEC 60065:2014. 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 62368-1:2014 |
| As shown in the Test Report Ref. No. which forms part of this Certificate | 4790798034 issued on 2023-04-10 |

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: 2023-04-13
Original Issue Date: 2017-06-30

Signature: Masamichi Takagi



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Factory(ies):

ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD
NO.15 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

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

Summary of Modifications:

- Addition of Alternate X-Capacitor (C1), TDK (Zhuhai FTZ) Co., Ltd., type B3293, type B3292 and OKAYA ELECTRIC INDUSTRIES CO LTD, type LE Series.
- Addition of Alternate Bobbin material of L1, Manufacturer, Interchangeable, type Interchangeable.
- Addition of Alternate Y-capacitor (C3, C4), Tdk Corporation, type CD, and Murata Mfg Co., Ltd., type RA.
- Addition of Alternate IPD (A1), Manufacturer, Interchangeable, type Interchangeable.
- Addition of Alternate Optical Isolator (PC101, PC102), Renesas Electronics Corp., type PS2581L1 and Toshiba Electronic Devices & Storage Corporation, type TLP785F.
- Addition of Alternate coating, HUMISEAL, DIV OF CHASE CORP, type 1B59LU.
- Addition of Alternate coating, Manufacturer, Interchangeable, type Interchangeable.
- Deletion of EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013.
- Deletion of Australia National Differences, Finland National Differences, New Zealand National Differences, Norway National Differences and Sweden National Differences.
- Update of Standard Information on Table 4.1.2.

Additional information (if necessary)



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- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
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