Ref. Certif. No.

**JP-28332-UL**

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

## CB TEST CERTIFICATE

| | |
|---|---|
| Product | POWER SUPPLY |
| Name and address of the applicant | TDK-LAMBDA CORP<br>NAGAOKA TECHNICAL CENTER<br>R&D DIV<br>2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195<br>JAPAN |
| Name and address of the manufacturer | TDK-LAMBDA CORP<br>NAGAOKA TECHNICAL CENTER<br>R&D DIV<br>2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195<br>JAPAN |
| Name and address of the factory | TDK-LAMBDA MALAYSIA SDN BHD<br>PLO33 KAWASAN PERINDUSTRIAN SENAI 81400 SENAI JOHOR<br>MALAYSIA |
| Note: *When more than one factory, please report on page 2* | ☒ Additional Information on page 2 |
| Ratings and principal characteristics | 100-240Vac, 50-60Hz<br>1.1 A (for model ZWS50C-5bcdef),<br>1.2 A (except for models ZWS50C-5bcdef),<br>Output: See test report for details. |
| Trademark / Brand (if any) | TDK·Lambda |
| Customer's Testing Facility (CTF) Stage used | |
| Model / Type Ref. | ZWS50C-abcdef<br>(a=5, 12, 15, 24, 48. b="/" or blank. c=P or blank, d=A, L or blank. e=CO2 or blank, f=N or blank) |
| Additional information (if necessary may also be reported on page 2) | Additionally evaluated to: EN IEC 62368-1:2024/A11:2024.<br>National Differences specified in the CB Test Report.<br>☐ Additional Information on page 2 |
| A sample of the product was tested and found to be in conformity with | IEC 62368-1:2023 |
| As shown in the Test Report Ref. No. which forms part of this Certificate | E122103-A6313-CB-1 issued on 2025-10-13 |

This CB Test Certificate is issued by the National Certification Body

UL Solutions

☐ UL Solutions (US), 333 Pfingsten 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
☐ UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

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

Date: 2025-10-14

Signature: M. Takagi

Masamichi Takagi

Ref. Certif. No.

**JP-28332-UL**

**Factory(ies):**
TDK-LAMBDA CORP
2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 940-1195
JAPAN

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

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

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

TDK-Lambda (China) Electronics Co Ltd
No.95, Zhujiang Rd, Xinwu District Wuxi JiangSu 214028
CHINA

YOKOTE SEIKO Co.,Ltd.
1-71 Arayatorikimachi Akita-shi Akita 010-1633
JAPAN

**Additional information (if necessary)**

☐ UL Solutions (US), 333 Pfingsten 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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