

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

 Additional Information on page 2

Ratings and principal characteristics

See Page 2

Trademark / Brand (if any)

Type of Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

HWS1800T-3, HWS1800T-5, HWS1800T-6, HWS1800T-7,
HWS1800T-12, HWS1800T-15, HWS1800T-24, HWS1800T-36,
HWS1800T-48, and HWS1800T-60
May be followed by suffix /CO, /HD or /SB.

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 Difference 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

E122103-A6038-CB-1 issued on 2020-05-07

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: 2020-05-08

Signature:

Original Issue Date: 2019-03-15

Masamichi Takagi

Factories:

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 (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

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

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

Ratings:

Input:

3 Phase, 200-240 VAC, 50/60 Hz

4.5 A for model HWS1800T-3

6.0 A for models HWS1800T-5, HWS1800T-6, HWS1800T-7, HWS1800T-12, HWS1800T-15

7.0 A for models HWS1800T-24, HWS1800T-36, HWS1800T-48, HWS1800T-60

Output: Refer to General Product Information in test report

Additional Information:

The original report was modified to include the following changes/additions:

- Addition of alternate Varistor (SA1), Nippon Chemi-con Corporation, Type TND14SV471K.
- Addition of alternate Varistor (SA1), TDK Electronics GmbH & Co OG, Type SIOVSNF14K300E2#K1 (# is blank, S2, S3 or S5).
- Revision of Technical data of Y-Capacitors (C17, C18, C19), Type KX.
- Revision of Technical data of Y-Capacitors (C23, C24, C25), Type KX.
- Addition of alternate Relay (RL1), TYCO Electronics Austria GmbH, Type T9GV1L14-12.
- Addition of alternate Thermal Cutoff/Resistor Assemblies (TFR1, TFR2), Uchihashi Estec Co., Ltd., Type A5MC.
- Revision of Technical data of PRI-Ground Capacitor (C16), Type KX.
- Revision of Technical data of Primary-Ground Capacitor (C14), Type KX.
- Revision of Technical data of Primary-Ground Capacitor (C209), Type KX.

Additional information (if necessary)



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/names

Date: 2020-05-08

Original Issue Date: 2019-03-15

Signature:

Masamichi Takagi