

# DEMKO CERTIFICATE

**Certificate No.** D-06172-M1  
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**Date of Issue** 2018-11-14

**Certificate Holder** TDK-LAMBDA CORP  
NAGAOKA TECHNICAL CENTER R&D DIV 2704-1 SETTAYA-  
MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN

**Manufacturer** TDK-LAMBDA CORP  
NAGAOKA TECHNICAL CENTER R&D DIV 2704-1 SETTAYA-  
MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN

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

See Page 2

**Certified Product Model** Switching Power Supply  
ZWS240BP-48/SE52P, ZWS240BP-abcdef  
See Page 2

**Trademark**

***TDK-Lambda***

**Rated Voltage / Frequency** See Page 2

**Rated Current / Power** See Page 2

**Insulation Class** Class I

**Degree of protection (IP)** IPX0

**Tested acc. to** EN 62368-1:2014/A11:2017, EN 62368-1:2014

**Test Report No.** 4788715716-2 issued on 2018-11-08

**Additional** for building-in, See page 3

**Expire date** 2027-10-25

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**Certification Manager**  
Jan-Erik Storgaard

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the D Mark Requirements. The Designated Certificate holder is entitled to use the d or for cables <DEMKO> for the Certified Product manufactured at the production site(s) identified above, in accordance with the D Mark Service Agreement, including without limitation the D Mark Testing and Certification Services Service Terms. Only those Products bearing the D Mark should be considered as being covered by UL's D Mark Service. This Certificate shall remain valid through the expiration date, unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior to the expiration date.

**Certification Body**

UL International Demko A/S, Borupvang 5A, DK-2750  
Ballerup, Denmark, Tel. +45 44 85 65 65,  
info.dk@ul.com  
www.ul-europe.com



# Appendix DEMKO CERTIFICATE

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## Model Details:

ZWS240BP-abcdef (a = 24, 36, 48, b = "/" or blank, c = T or blank, d = R or blank, e = A, L or blank, f = CO2, FG or blank)

## Production Sites:

ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD  
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

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

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

WUXI TDK-LAMBDA ELECTRONICS CO LTD  
NO 6 XING CHUANG ER LU WUXI JIANGSU 214028  
CHINA

## Ratings:

Model: ZWS240BP-abcdef  
Input: 100-240VAC, 50-60Hz, 3.9A (\*)  
Output: (See Test Report.)

Model: ZWS240BP-48/SE52P  
Input: 200-240 VAC, 50-60 Hz, 1.6 A (\*)  
Output: (See Test Report.)

(\*) – See Test Report for derating of input current.

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# Appendix DEMKO CERTIFICATE

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**Additional Information:**

This Certificate replaces earlier issued certificate No. D-06172 due to the following changes/additions:

- Addition of Alternate Inductor /L3, Tamura Corporation, type TAM25301.
- Addition of Alternate Y-capacitor/ C9, C10, Murata Mfg Co., Ltd., type KX, 1500pF max.
- Minor component changes in Primary and Secondary circuit.
- Addition of alternate circuit diagram, PWB pattern trace and component layout design. (Enclosure Id 3-08, 4-04, 5-02)
- Revision of the title of Enclosure Id 7-03 to "Specification of Inductor/ L3 (TDK-Lambda Corp., Type A25301x (x=A to Z, or blank))".
- Additional evaluation of Group & National Differences for IEC 62368-1:2014 fulfilling the requirements of EN 62368-1:2014 + A11:2017 (See Summary of compliance with National Differences).

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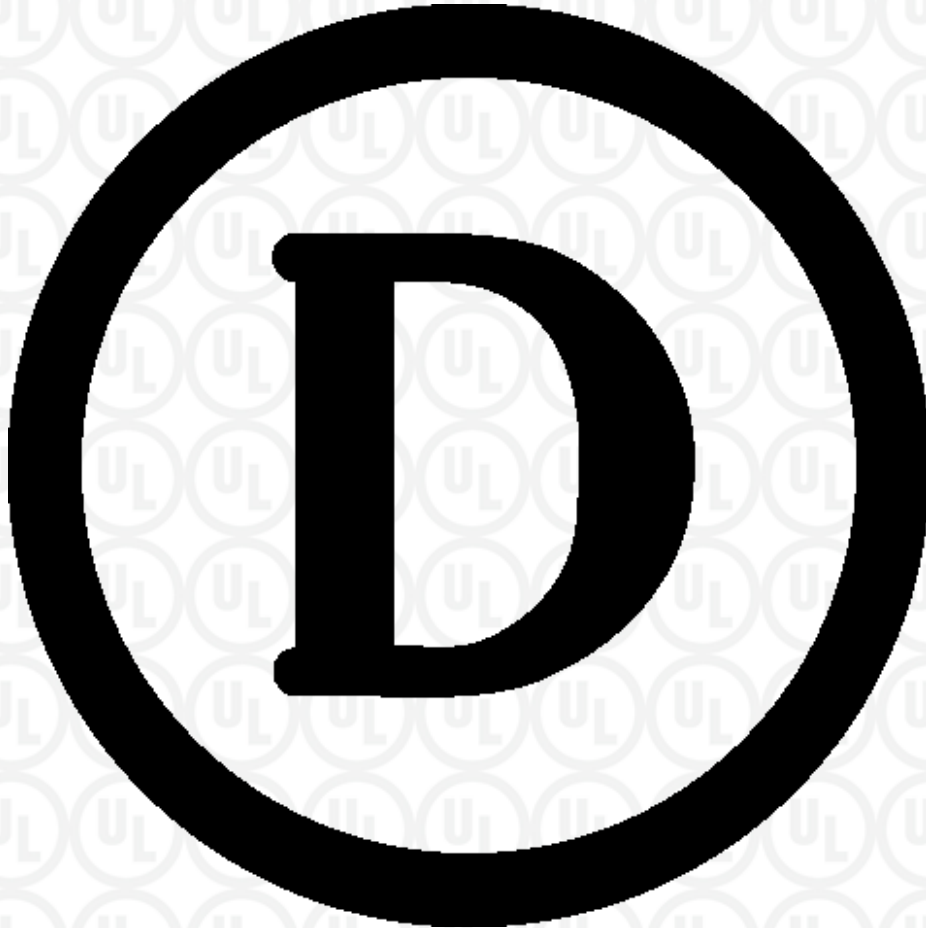
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