

# DEMKO CERTIFICATE

**Certificate No.** D-06472-M2  
**Page** 1/3  
**Date of Issue** 2020-07-21

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

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

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

See Page 2

**Certified Product Model** AC-DC Power Supply  
KWS10A-12, KWS10A-15, KWS10A-24, KWS10A-5, KWS5A-12,  
KWS5A-15, See Page 2

**Trademark**

***TDK-Lambda***

**Rated Voltage / Frequency** 100-240VAC, 50-60Hz,  
**Rated Current / Power** 0.13A (KWS5A series)  
0.25A (KWS10A series)

**Insulation Class** Not classified

**Degree of protection (IP)** X0

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

**Test Report No.** 4789521787 issued on 2020-07-09

**Additional** for building-in

The report was revised to include technical modification(s)

**Expire date** 2028-03-26

**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. As specified in the respective appendix below the Designated Certificate holder is entitled to use the D-Mark, or its alternative for cables, 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with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the expiration date.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.com



# Appendix DEMKO CERTIFICATE

**Certificate No.** D-06472-M2  
**Page** 2/3  
**Date of Issue** 2020-07-21

KWS5A-24,KWS5A-5

**Production Sites:**

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

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

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

TDK-LAMBDA MALAYSIA SDN BHD  
PLO33 KAWASAN PERINDUSTRIAN SENAI  
SENAI, 81400 JOHOR Malaysia

ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD  
No.15 TONGXIN RD, ZHAOFENG ECONOMIC DEVELOPMENT ZONE, LEYU TOWN  
ZHANGJIAGANG, 215622 JIANGSU China

**Additional Information:**

This Certificate replaces earlier issued certificate No. D-06472-M1 due to:

- Addition of alternate Barrier Insulation Tape, Teraoka Seisakusho Co., Ltd., type 630F3 #50 and 630F3 #50 Milky.

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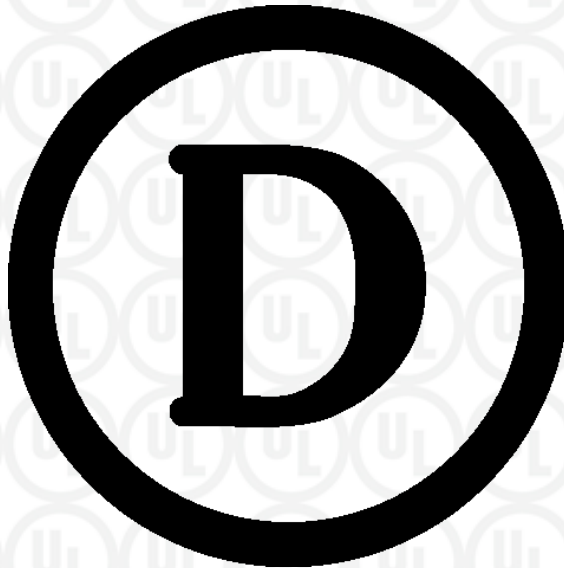


# Appendix DEMKO CERTIFICATE

**Certificate No.** D-06472-M2  
**Page** 3/3  
**Date of Issue** 2020-07-21

## **Certification Mark D-Mark**

The D-Mark, as displayed below, shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible.



The size of the Mark may be reduced or enlarged on the condition that it remains readable and that the proportions of width and height are kept. The use of dark text for the D-Mark on light backgrounds and light text on dark backgrounds is permitted.

When putting the product on the EU market, the manufacturer's name, trademark or mark of origin must be affixed in a clearly visible location and position on the product, on the package and in the user manual. It can be affixed by label, be directly imprinted, or cast or molded into the product.

## **Alternate certification Mark for cables**

As an alternative to the D-Mark specified above the alternate D-Mark, displayed below, can appear on certified cables only. Minimum size is not specified, as long as the mark is legible.

◁DEMKO▷

The alternate D-Mark may be cast, stamped or moulded into the cable and continue throughout the length of the cable as specified in the applicable cable standard.

All content shall be in accordance with the details provided on this D-Mark Certificate.

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