

# DEMKO CERTIFICATE

<b>Certificate No.</b>	D-06858-M3
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<b>Date of Issue</b>	2021-04-08
<b>Certificate Holder</b>	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER R&D DIV 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN
<b>Manufacturer</b>	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER R&D DIV 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN
<b>Production Site</b>	TDK-LAMBDA CORP 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 940-1195 JAPAN
	See Page 2-3
<b>Certified Product Model</b>	Switching Power Supply ZWS300BAF-abcdefg, ZWS300BAF-24/cdefg17, EVS18-16R7abcdef, EVS36-8R4abcdef, EVS57-5R3abcdef See Page 2
<b>Trademark</b>	
<b>Rated Voltage / Frequency</b>	AC 100-240V, 50-60Hz
<b>Rated Current / Power</b>	For Models other than ZWS300BAF-24/cdefg17: 4.0A For Model ZWS300BAF-24/cdefg17: 3.4A
<b>Insulation Class</b>	I
<b>Degree of Protection (IP)</b>	IPX0
<b>Tested according to Test Report No.</b>	EN 62368-1:2014/A11:2017, EN 62368-1:2014 4789850434-1 issued on 2021-03-15
<b>Additional</b>	The report was revised to include technical modifications. Output ratings: Refer to Test Report - Model Differences
<b>Expire Date</b>	2023-01-06

**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with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the expiration date.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  
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**Model Details:**

ZWS300BAF-abcdefg

a = 12, 15, 24, 36, 48,

b = "/" or blank,

c = "T" or blank,

d = "R" or blank,

e = "A", "L" or blank,

f = "CO2" or blank

g = "FG" or blank

ZWS300BAF-24/cdefg17

c = "T" or blank,

d = "R" or blank,

e = "A", "L" or blank,

f = "CO2" or blank

g = "FG" or blank

EVS18-16R7abcdef, EVS36-8R4abcdef, EVS57-5R3abcdef

a = "/" or blank,

b = "B" or blank.

c = "R" or blank,

d = "A", "L" or blank,

e = "CO2" or blank

f = "FG" or blank

**Production Site:**

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

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**Production Site:**

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

**Additional Information:**

Additionally evaluated to EN 50178:1997.

This Certificate replaces earlier issued certificate No. D-06858-M2 due to:

- Addition of Alternate Optical Isolator/ PC101, PC102, PC103 (PC103: optional) (for models with suffix "R"), Toshiba Electronic Devices & Storage Corporation, Type TLP291.
- Addition of Alternate Coating for PCB (for models with suffix "CO2"), Humiseal, Div Of Chase Corp, Type 1B59LU.
- Addition of Alternate Coating for PCB (for models with suffix "CO2"), Manufacture: Interchangeable, Type: Interchangeable.
- Correction of Technical data of Bobbin material of T1.
- Correction of Object / part No. of Optocouplers (PC101, PC102, PC103) and Coating for PCB

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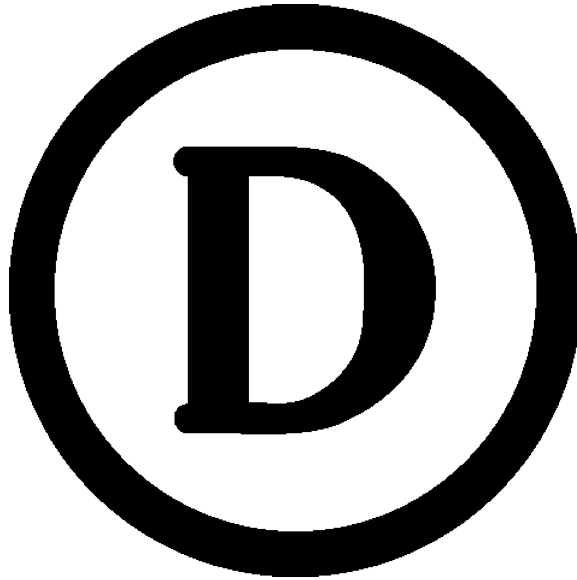


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## **Certification Mark D-Mark**

The D-Mark, as displayed below, shall appear on certified products only. Except as specified below the Mark shall be legible and no Minimum size is specified.



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.

The D-Mark may appear on a label, nameplate, or may be cast, stamped or molded into the product. When appearing on a label or nameplate, the Manufacturer's name or trademark along with a model number are also required on that same label or nameplate. If cast, stamped or molded, the Certificate Manufacturer's name or trademark and model number shall also appear elsewhere on the product

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.

Where the size of the product does not allow the Mark, the manufacturer's name, trademark, mark of origin and model number to be legible, and appearance on a label is not desired, it is allowed to cast, stamp or mold the Mark into the product, in a size which is not visible to the naked eye, provided the legible Mark, the manufacturer's name, trademark or mark of origin and model number appears on the package and in the user manual

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## **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 molded 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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