

DEMKO CERTIFICATE

Certificate No. D-06813-M1
Page 1/3
Date of Issue 2020-05-25

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

See Page 2

Certified Product DC-DC Converter
Model PAE100S48-***, PAE100S48-3R3/H, PAE50S24-*, PAE50S48-***
Trademark See Page 2

TDK-Lambda or ***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. E122103-A6029-CB-1 issued on 2020-05-19
Additional For Building-In
The report was revised to include technical modifications
Expire date 2028-09-24

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with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the expiration date.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-06813-M1
Page 2/3
Date of Issue 2020-05-25

Model Details:

PAE100S48-***, PAE50S48-*** (***) = 1R8, 2R5, 3R3, 5)
PAE50S24-* (* = 5 or 6)

Production Sites:

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

TDK-LAMBDA (CHINA) ELECTRONICS CO LTD
NO.95,ZHUJIANG RD, XINWU DISTRICT WUXI JIANGSU 214028
CHINA

Ratings:

- 1) Input: 18-36Vdc, 3.10A max. (2.32A at 24Vdc), Output: 5V, 10A for model PAE50S24-5
Input: 18-36Vdc, 3.10A max. (2.33A at 24Vdc), Output: 6V, 8.4A for model PAE50S24-6
- 2) Input: 36-76Vdc, 1.75A max. (0.86A at 48Vdc), Output: 1.8V, 20A for model PAE50S48-1R8
Input: 36-76Vdc, 1.98A max. (1.06A at 48Vdc), Output: 2.5V, 18A for model PAE50S48-2R5
Input: 36-76Vdc, 2.56A max. (1.22A at 48Vdc), Output: 3.3V, 16A for model PAE50S48-3R3
Input: 36-76Vdc, 3.12A max. (1.20A at 48Vdc), Output: 5V, 10A for model PAE50S48-5
- 3) Input: 36-76Vdc, 1.75A max. (1.30A at 48Vdc), Output: 1.8V, 30A for model PAE100S48-1R8
Input: 36-76Vdc, 1.98A max. (1.47A at 48Vdc), Output: 2.5V, 25A for model PAE100S48-2R5
Input: 36-76Vdc, 2.56A max. (1.91A at 48Vdc), Output: 3.3V, 25A for model PAE100S48-3R3
Input: 36-76Vdc, 3.12A max. (2.31A at 48Vdc), Output: 3.3V, 30A for model PAE100S48-3R3/H
Input: 36-76Vdc, 3.12A max. (2.32A at 48Vdc), Output: 5V, 20A for model PAE100S48-5

Additional Information:

This certificate replaces the certificate No. D-06813, issued on 2018-09-25 due to:

- Change of factory address as below:

(From)

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

(To)

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

- Change of factory as below:

(From)

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

(To)

TDK-LAMBDA (CHINA) ELECTRONICS CO LTD
NO.95,ZHUJIANG RD, XINWU DISTRICT WUXI JIANGSU 214028 CHINA

- Update trademark image to the latest version

- Addition of evaluation for Japan National Differences.

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Appendix DEMKO CERTIFICATE

Certificate No. D-06813-M1
Page 3/3
Date of Issue 2020-05-25

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.

Certification Body

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