

DEMKO CERTIFICATE

Certificate No. D-04078-A3
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Date of Issue 2016-06-23

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

See Page 2

Certified Product Model Medical Grade Power Supply
HWS150A-xx/ME, HWS150A-xx/MEA, HWS150A-xx/MER,
HWS150A-xx/MERA
See Page 2

Trademark

TDK-Lambda

Rated Voltage / Frequency See Page 2

Rated Current / Power See Page 2

Insulation Class -

Degree of protection (IP) -

Tested acc. to ØP Å € € F I C E E Å N 60601-1:2006/A12:2014,

ØP Å € € F I C E E D F I G F H

Test Report No. 4787490334 issued on 2016-06-23

Additional See Page 2

Expire date 2025-04-06

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with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior to the expiration date.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

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Where xx represents the output voltage rating and can be one of the following: 5, 12, 15, 24, 48.

Production Sites:

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

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

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

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

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

Ratings:

<Input>

HWS150A-xx/ME, HWS150A-xx/MEA, HWS150A-xx/MER and HWS150A-xx/MERA: 100 - 240 V ac, 50 - 60 Hz, 2.0 A

<Output>

- (1) HWS150A-5/ME, HWS150A-5/MEA, HWS150A-5/MER and HWS150A-5/MERA: 5 V , 30 A
- (2) HWS150A-12/ME, HWS150A-12/MEA, HWS150A-12/MER and HWS150A-12/MERA: 12 V , 13 A
- (3) HWS150A-15/ME, HWS150A-15/MEA, HWS150A-15/MER and HWS150A-15/MERA: 15 V , 10.0 A
- (4) HWS150A-24/ME, HWS150A-24/MEA, HWS150A-24/MER and HWS150A-24/MERA: 24 V , 6.5 A
- (5) HWS150A-48/ME, HWS150A-48/MEA, HWS150A-48/MER and HWS150A-48/MERA: 48 V , 3.3 A

Additional Information:

This certificate replaces the certificate No. D-04078-A2, dated 2016-03-07 due to addition of alternate components.

Risk management was not included in this investigation.

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