

DEMKO CERTIFICATE

Certificate No. D-07096-M1
Page 1/4
Date of Issue 2020-04-07

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 Switching Power Supply
HWS1000L-X /BATz, HWS1000L-X /YYYYYYY, SWS1000L-X /YYYYYYY
See Page 2

Trademark

TDK-Lambda

Rated Voltage / Frequency

See Page 3

Rated Current / Power

See Page 3

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-A6031-CB-1 issued on 2020-03-02

Additional

The report was revised to include technical modifications.

Expire date

2029-02-12

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with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior to the expiration date.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

Certificate No. D-07096-M1
Page 2/4
Date of Issue 2020-04-07

Model Details:

HWS1000L-X /BATz where X can be 36 or 60. And, z can be 3 digit max which consist of 0 to 9 and/or A to Z or blank.

HWS1000L-X /YYYYYYY,SWS1000L-X /YYYYYYY where X can be 3, 5, 12, 15, 24, 36, 48, or 60. And, /YYYYYYY can be /RF, /RFHC, /RFCO2, /HC, /HCCO2, /CO2, /RFHCCO2, /LLF, /LLFCO2, /LNF1 (only for X is 48) or blank

Production Sites:

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

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

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

Additional Information:

Also investigated to EN 50178:1997

This certificate replaces the earlier issued D-07096-A1 dated 2020-01-13 due to

- Change of factory as below:

(From)

TDK-LAMBDA (CHINA) 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

-Addition of evaluation for Japan National Differences.

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

Certificate No. D-07096-M1
Page 3/4
Date of Issue 2020-04-07

Rating details:

Input:
100-240 Vac, 13A, 50/60 Hz.

Output:
HWS1000L-3, SWS1000L-3, +3.3Vdc, 200A;
HWS1000L-5, SWS1000L-5, +5Vdc (+4 - +6Vdc), 200A max;
HWS1000L-12, SWS1000L-12, +12Vdc (+9.6 - +14.4Vdc), 88A max;
HWS1000L-15, SWS1000L-15, +15Vdc (+12 - +19.5Vdc), 70A max;
HWS1000L-24, SWS1000L-24, +24Vdc (+19.2 - +28.8Vdc), 44A max;
HWS1000L-36, SWS1000L-36, +36Vdc (+28.8 - +43.2Vdc), 29A max;
HWS1000L-48, SWS1000L-48, +48Vdc (+38.4 - +56Vdc), 22A max;
HWS1000L-60, SWS1000L-60, +60Vdc (+48 - +66 Vdc), 17A max

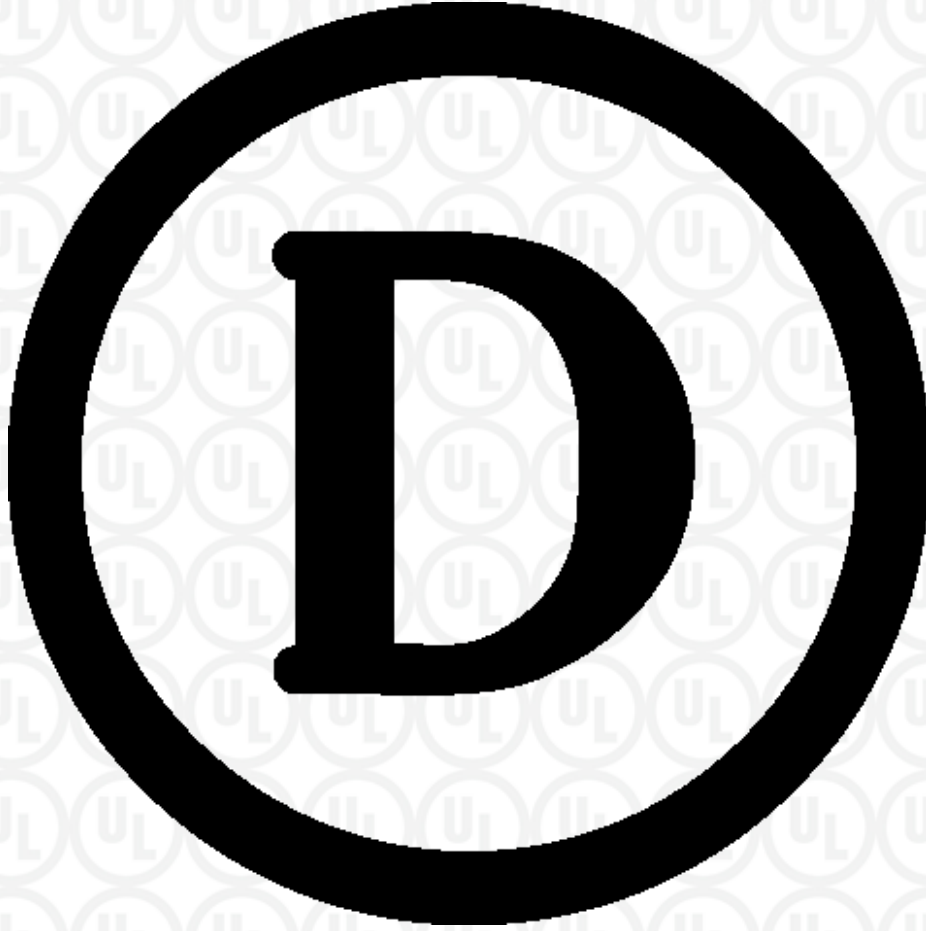
Certification Body

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

Certificate No. D-07096-M1
Page 4/4
Date of Issue 2020-04-07



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

