

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST  
CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE  
CERTIFICATS D'ESSAIS DES EQUIPEMENTS  
ELECTRIQUES (IECEE) METHODE OCCB TEST CERTIFICATE  
CERTIFICAT D'ESSAI OCProduct  
Produit

AC ADAPTER

Name and address of the applicant  
Nom et adresse du demandeurDelta Electronics, Inc.  
3 Tungyuan Road  
Chungli Industrial Zone, Taoyuan County 32063, TaiwanName and address of the manufacturer  
Nom et adresse du fabricantDelta Electronics, Inc.  
3 Tungyuan Road  
Chungli Industrial Zone, Taoyuan County 32063, TaiwanName and address of the factory  
Nom et adresse de l'usine Additional Information page 2Note: When more than one factory, please report on page 2  
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2<sup>ème</sup> pageRatings and principal characteristics  
Valeurs nominales et caractéristiques principalesAC 100-250V; 50-60Hz, 1.5-0.75A, Class I;  
DC 12V;5A(for MDS-060AAS12 B);DC 15V;4A(for MDS-060AAS15 B);  
DC 19V;3 15A(for MDS-060AAS19 B);  
DC 24V;2.5A(for MDS-060AAS24 B)Trade mark (if any)  
Marque de fabrique (si elle existe)

Delta or Trademark of Delta

Model/type Ref.  
Ref. de typeMDS-060AAS12 B; MDS-060AAS15 B;  
MDS-060AAS19 B, MDS-060AAS24 BAdditional information (if necessary may also be  
reported on page 2)  
Les Information complémentaire (si nécessaire,  
peuvent être indiqués sur la 2<sup>ème</sup> page)Models differ in model name, output rating, the OTP circuit  
design, location of D31, added ZD33, C37 (optional) and R44  
(optional) for type B and C33 defined as optional; for  
details see test report

## PUBLICATION

## EDITION

A sample of the product was tested and found  
to be in conformity with  
Un échantillon de ce produit a été essayé et a été  
considéré conforme à laIEC 60601-1:2005 + A1  
IEC 60601-1-6:2010 + A1  
IEC 62366:2007 + A1  
National differences see test reportAs shown in the Test Report Ref. No. which forms part  
of this Certificate  
Comme indiqué dans le Rapport d'essais numéro de  
référence qui constitue une partie de ce Certificat

11043178 001

This CB Test Certificate is issued by the National Certification Body  
Ce Certificat d'essai OC est établi par l'Organisme National de CertificationTÜV Rheinland LGA Products GmbH  
Tillystraße 2 · 90431 Nürnberg, Germany  
Phone + 49 221 806-1371  
Fax + 49 221 806-3935  
Mail: cert-validity@de.tuv.com  
Web: www.tuv.com

Date: 03.08.2016

Signature:

Dipl.-Ing. W. Hsu

1. Delta Electronics (Thailand) Public Co., Ltd. 909 Soi 9, Moo 4, Bangpoo Ind., Estate (E.P.Z.), Pattana 1 Rd. Tambol Phraksa Amphur Muang, Samutprakarn 10280, Thailand
2. Delta Electronics Power (Dongguan) Co., Ltd. Delta Industrial Estate Shijie Town, Dongguan City 523308 Guangdong Province, China
3. Delta Electronics (Jiang Su), Ltd. No. 1688, Jiangxing East Road Wujiang Economic Development Zone Wujiang City, 215200 Jiang Su, China

**Additional information (if necessary)**  
**Information complémentaire (si nécessaire)**

Date: 03.08.2016

Signature:

Dipl.-Ing. W. Hsu



IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)  
CB SCHEME

## CB TEST CERTIFICATE

## Product

AC/DC MEDICAL ADAPTER

## Name and address of the applicant

DELTA ELECTRONICS INC  
3 TUNGYUAN ROAD CHUNGLI INDUSTRIAL ZONE  
TAOYUAN CITY 32063 TAIWAN

## Name and address of the manufacturer

DELTA ELECTRONICS INC  
3 TUNGYUAN ROAD CHUNGLI INDUSTRIAL ZONE  
TAOYUAN CITY 32063 TAIWAN

## Name and address of the factory

DELTA ELECTRONICS POWER (DONGGUAN) CO., LTD.  
DELTA INDUSTRIAL ESTATE, XINCHENG DISTRICT, SHIJIE  
TOWN, DONGGUAN, GUANGDONG 523308,  
CHINA

Note: When more than one factory, please report on page 2

 Additional Information on page 2

## Ratings and principal characteristics

INPUT:  
100-250 Vac, 1.5-0.75 A, 50-60 Hz  
OUTPUT:  
1) 12 Vdc/ 5 A  
2) 15 Vdc/ 4 A  
3) 19 Vdc/ 3.15 A  
4) 24 Vdc/ 2.5 A

## Trademark / Brand (if any)



## Type of Customer's Testing Facility (CTF) Stage used

CTF Stage 1

## Model / Type Ref.

MDS-060AAS12 B, MDS-060AAS15 B, MDS-060AAS19 B,  
MDS-060AAS24 B

## Additional information (if necessary may also be reported on page 2)

Additionally evaluated to EN 62368-1:2014/A11:2017. National Differences specified in the CB Test Report.

 Additional Information on page 2

## A sample of the product was tested and found to be in conformity with

IEC 62368-1:2014

## As shown in the Test Report Ref. No. which forms part of this Certificate

E131881-A6219-CB-1 issued on 2020-06-12

This CB Test Certificate is issued by the National Certification Body



UL (US), 333 Pflugsten Rd IL 60062, Northbrook, USA

UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

Date: 2020-06-15

Signature:

  
Jan-Erik StorgaardFor full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)



Ref. Certif. No.

**DK-98444-UL**

Factories:

DELTA ELECTRONICS (JIANGSU) LTD.  
215200, NO.1688, JIANGXING EAST ROAD, WUJIANG ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, SUZHOU CITY, JIANGSU PROVINCE, P. R. CHINA

DELTA ELECTRONICS (THAILAND) PUBLIC CO., LTD.  
909 SOI 9 MOO 4, BANGPOO INDUSTRIAL ESTATE (E.P.Z.), PATTANA 1 ROAD, TAMBOL PHRAKSA, AMPHUR MUANG, SAMUTPRAKARN 10280, THAILAND

**Additional information (if necessary)**



- UL (US), 333 Pfinqsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2020-06-15

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

**DK-134229-UL**

**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME**

**CB TEST CERTIFICATE**

Product

AC/DC MEDICAL ADAPTER

Name and address of the applicant

DELTA ELECTRONICS INC  
3 Tungyuan Road  
Chungli Industrial Zone Taoyuan City 32063  
Taiwan

Name and address of the manufacturer

DELTA ELECTRONICS INC  
3 Tungyuan Road  
Chungli Industrial Zone Taoyuan City 32063  
Taiwan

Name and address of the factory

DELTA ELECTRONICS (THAILAND) PUBLIC CO LTD  
909 Soi 9 Moo 4 Bangpoo Industrial Estate (E.P.Z.)  
Pattana 1 Road Tambol Phraksa Amphur Muang  
Samutprakarn 10280  
Thailand

Note: When more than one factory, please report on page 2

[Additional Information on page 2](#)

Ratings and principal characteristics

INPUT:  
100-250 Vac, 1.5-0.75 A, 50-60 Hz  
 [Additional Information on page 2](#)

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

CTF Stage 1

Model / Type Ref.

- 1) MDS-060AAS12 B
- 2) MDS-060AAS15 B
- 3) MDS-060AAS19 B
- 4) MDS-060AAS24 B

Additional information (if necessary may also be reported on page 2)

**Additionally evaluated to:**  
EN IEC 62368-1:2020, EN IEC 62368-1:2020/A11:2020  
National Differences specified in the CB Test Report.

A sample of the product was tested and found to be in conformity with

IEC 62368-1:2018

As shown in the Test Report Ref. No. which forms part of this Certificate

E131881-A6875-CB-1 issued on 2022-11-03

This CB Test Certificate is issued by the National Certification Body



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2022-11-03

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

**DK-134229-UL**

**Additional Ratings:**

**OUTPUT:**

- 1) 12 Vdc/ 5 A
- 2) 15 Vdc/ 4 A
- 3) 19 Vdc/ 3.15 A
- 4) 24 Vdc/ 2.5 A

**Factory(ies):**

Delta Electronics (Dongguan) Co Ltd  
No 33 Pantao Road  
Shijie Town Dongguan, Guangdong, 523308  
China

DELTA ELECTRONICS (JIANGSU) LTD.  
No 1688 Jiangxing East Road  
Wujiang Economic and Technological Development Zone  
Suzhou City, Jiangsu Province, 215200  
China

Delta Electronics (Wuhu) Ltd  
No. 138 Jiu Hua North Road  
LongShan Street Economic-technical Development Area Wuhu City,  
Anhui Province, 241008  
China

Delta Electronics (Thailand) Public Company Limited  
111/6 Moo 9, Wellgrow Industrial Estate, Bangna-Trad Road, Tambol Bangwua,  
Amphur Bangpakong Chachoengsao 24180  
Thailand

Delta Electronics (Dongguan) Co., Ltd Southwest Branch  
No 33 Pantao Road, Shijie Town Dongguan, Guangdong, 523308  
China

Delta Electronics India Private Limited-SEZ Unit  
Delta SEZ Notified at SY No 16/1B2B  
Part & 16/1B2A Part Plot No1  
Industrial Park Kurubarapalli Village Krishnagiri Dist, Tamil Nadu 635115  
India

**Additional information (if necessary)**



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2022-11-03

Signature:

Jan-Erik Storgaard

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST  
CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE  
CERTIFICATS D'ESSAIS DES EQUIPEMENTS  
ELECTRIQUES (IECEE) METHODE OC

**CB TEST CERTIFICATE****CERTIFICAT D'ESSAI OC**

Product  
Produit

AC/DC MEDICAL ADAPTER

Name and address of the applicant  
Nom et adresse du demandeur

DELTA ELECTRONICS INC  
3 TUNGYUAN RD  
CHUNGLI INDUSTRIAL ZONE  
TAOYUAN COUNTY, 32063 Taiwan

Name and address of the manufacturer  
Nom et adresse du fabricant

DELTA ELECTRONICS INC  
3 TUNGYUAN RD  
CHUNGLI INDUSTRIAL ZONE  
TAOYUAN COUNTY, 32063 Taiwan

Name and address of the factory  
Nom et adresse de l'usine

DELTA ELECTRONICS POWER (DONGGUAN) CO., LTD.  
DELTA INDUSTRIAL ESTATE, SHIJIE TOWN, DONGGUAN  
CITY, GUANGDONG PROVINCE 523308  
CHINA

Note: When more than one factory, please report on page 2  
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2<sup>ème</sup> page

Additional Information on page 2

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

INPUT:  
100-250 Vac, 1.5-0.75 A, 50-60 Hz

Trademark (if any)  
Marque de fabrique (si elle existe)

DELTA ELECTRONICS, INC.

Type of Manufacturer's Testing Laboratories used  
Type de programme du laboratoire d'essais  
constructeur

WMT

Model / Type Ref.  
Ref. De type

1) MDS-060AAS12 B, 2) MDS-060AAS15 B,  
3) MDS-060AAS19 B, 4) MDS-060AAS24 B

Additional information (if necessary may also be  
reported on page 2)  
Les informations complémentaires (si nécessaire,,  
peuvent être indiqués sur la 2<sup>ème</sup> page

Additional Information on page 2

A sample of the product was tested and found  
to be in conformity with  
Un échantillon de ce produit a été essayé et a été  
considéré conforme à la

IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1

As shown in the Test Report Ref. No. which forms  
part of this Certificate  
Comme indiqué dans le Rapport d'essais numéro de  
référence qui constitue partie de ce Certificat

E131881-A1627-CB-1 issued on 2013-03-27

This CB Test Certificate is issued by the National Certification Body

Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA  
UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK  
UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN  
UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

Date: 2013-03-27

Signature:

Jan-Erik Storgaard

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)



Ref. Certif. No.

**DK-31817-UL**

Factories:

DELTA ELECTRONICS (JIANGSU) LTD.  
NO. 1688, JIANGXING EAST ROAD, WUJIANG ECONOMIC DEVELOPMENT ZONE, WUJIANG CITY, JIANGSU  
PROVINCE, 215200  
CHINA

Additional Information:

OUTPUT:

- 1) 12 Vdc/ 5 A
- 2) 15 Vdc/ 4 A
- 3) 19 Vdc/ 3.15 A
- 4) 24 Vdc/ 2.5 A

Also investigated to EN 60950-1:2006/A11:2009/A1:2010/A12:2011. National Differences specified in the CB Test Report.

**Additional information (if necessary)**

**Information complémentaire (si nécessaire)**



UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2013-03-27

Signature:

Jan-Erik Storgaard