



Ref. Certif. No.

DK-142255-UL

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

CB TEST CERTIFICATE

Product	AC/DC 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 (JIANGSU) LTD No 1688 Jiangxing East Road, Wujiang Economic and Technological Development Zone Suzhou City, Jiangsu Province, 215200, China <input checked="" type="checkbox"/> <a href="#">Additional Information on page 2</a>
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	Input rating: 100-240Vac, 2-1A, 50-60 Hz <input checked="" type="checkbox"/> <a href="#">Additional Information on page 2</a>
Trademark / Brand (if any)	
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	MDS-090BAS24 A, MDS-090BAS28 A
Additional information (if necessary may also be reported on page 2)	<b>Additionally evaluated to:</b> EN 60601-1:2006, EN 60601-1:2006/A1:2013, EN 60601-1:2006/A12:2014, EN 60601-1:2006/A2:2021. National Differences: EU Group Differences, CA, US <input type="checkbox"/> <a href="#">Additional Information on page 2</a>
A sample of the product was tested and found to be in conformity with	IEC 60601-1:2005, IEC 60601-1:2005/AMD1:2012, IEC 60601-1:2005/AMD2:2020
As shown in the Test Report Ref. No. which forms part of this Certificate	E356265-D1135-1/A0/C0-CB issued on 2023-06-16

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: 2023-06-21

Signature:   
Thomas Wilson



Ref. Certif. No.

**DK-142255-UL**

**Factory(ies):**

DELTA ELECTRONICS (THAILAND) PUBLIC CO., LTD.  
111/6 MOO 9, WELLGROW INDUSTRIAL ESTATE, BANGNA-TRAD ROAD, TAMBOL BANGWUA, AMPHUR BANGPAKONG,  
CHACHOENSAO, 24180,  
Thailand

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

DELTA ELECTRONICS (DONGGUAN) CO., LTD.  
NO.33 PANTAO ROAD, SHIJIE TOWN, DONGGUAN, GUANGDONG, 523308,  
China

DELTA ELECTRONICS (DONGGUAN) CO., LTD SOUTHWEST BRANCH  
NO.33 PANTAO ROAD SHIJIE TOWN, DONGGUAN, GUANGDONG, 523308, CHINA  
China

Delta Electronics India Private Limited SEZ Unit  
SY No.16/1b2b(Part) & 16/1b2a(Part), Plot No.1, Industrial Park, Kurubarapalli Village, Krishnagiri, Tamilnadu, 635115,  
India

DELTA ELECTRONICS (WUHU) LTD  
No. 138, Jiu Hua North Road, LongShan Street, Economic technical Development Area, WUHU CITY, ANHUI PROVINCE,  
241009,  
China

**Additional Ratings:**

Output rating for model MDS-090BAS24 A: 24Vdc, 3.75A  
Output rating for model MDS-090BAS28 A: 28Vdc, 3.21A

**Additional information (if necessary)**



- UL Solutions (US), 333 Pflugsten 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: 2023-06-21

Signature:

Thomas Wilson



Ref. Certif. No.

DK-131932-UL

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

CB TEST CERTIFICATE

Product

AC/DC 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

Ratings and principal characteristics

Additional Information on page 2  
I/P: 100 - 240 Vac, 50 - 60 Hz, 2 - 1 A.  
 Additional Information on page 2

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

MDS-090BAS28 A, MDS-090BAS24 A

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

Additional Information on page 2  
IEC 62368-1:2018

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

E131881-A6833-CB-1 issued on 2022-09-06

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: 2022-09-07

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

**DK-131932-UL**

**Factory(ies):**

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

Delta Electronics (Jiangsu) Ltd.  
215200, No.1688, Jiangxing East Road, Wujiang Economic and Technological Development Zone, Suzhou City, Jiangsu Province,  
China

DELTA ELECTRONICS (WUHU) LTD.  
No. 138, Jiuhua North Road, LongShan Street, Economic technical Development Area Wuhu City, Anhui Province,  
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 No.1, Industrial Park, Kurubarapalli Village Krishnagiri Dist,  
Tamil Nadu, 635115,  
India

**Additional Ratings:**

For Model MDS-090BAS24 A  
O/P: 24Vdc, 3.75 A

For Model MDS-090BAS28 A  
O/P: 28Vdc, 3.21 A

**Additional information (if necessary)**



- UL Solutions (US), 333 Pflingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Denko), 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: 2022-09-07

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 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 ROAD, CHUNGLI INDUSTRIAL ZONE,  
TAOYUAN COUNTY 32063  
TAIWAN

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

DELTA ELECTRONICS (JIANGSU) LTD.  
NO. 1688, JIANGXING EAST ROAD,  
WUJIANG ECONOMIC DEVELOPMENT ZONE,  
WUJIANG CITY, JIANGSU PROVINCE, 215200  
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 rating: 100-240Vac, 2-1A, 50-60 Hz;

Output rating: 24Vdc, 3.75A

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

Delta



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

WMT

Model / Type Ref.  
Ref. De type

MDS-090BAS24 A

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 60601-1(ed.3)

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

E356265-A13-CB-1 issued on 2014-02-12

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: 2014-02-12

Signature:

Jan-Erik Storgaard

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



Ref. Certif. No.

**DK-37059-UL**

**Additional Information:**

Additionally evaluated to EN 60601-1:2006;  
National Differences specified in the CB Test Report.

Risk management was not included in this investigation.

**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: 2014-02-12

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 ADAPTER

Name and address of the applicant  
Nom et adresse du demandeur

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

Name and address of the manufacturer  
Nom et adresse du fabricant

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

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

DELTA ELECTRONICS (JIANGSU) LTD.  
NO 1688 JIANGXING EAST RD  
WUJIANG ECONOMIC DEVELOPMENT ZONE  
WUJIANG CITY, 215200 JIANGSU PROVINCE 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  
I/P: 100 - 240 Vac, 50 - 60 Hz, 2 - 1 A.  
O/P: 24Vdc, 3.75 A

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

Trademark (if any)  
Marque de fabrique (si elle existe)  
Type of Manufacturer's Testing Laboratories used  
Type de programme du laboratoire d'essais constructeur

DELTA ELECTRONICS INC  
TMP

Model / Type Ref.  
Ref. De type

MDS-090BAS24 A

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

Additionally evaluated to EN 60950-1:2006 / A11:2009/ A1: 2010 / A12:2011 / A2:2013; National Differences specified in the CB Test Report.

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

Additional Information on page 2  
IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1, IEC 60950-1(ed.2);am2

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

OFF-4786257099-BA9-1 issued on 2014-01-22

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: 2014-01-23

Signature:

Jan-Erik Storgaard

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

## Factories:

DELTA ELECTRONICS POWER (DONGGUAN) CO LTD  
DELTA INDUSTRIAL ESTATE  
SHIJIE TOWN  
DONGGUAN, 523308 GUANGDONG China

## 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: 2014-01-23

Signature:

Jan-Erik Storgaard