

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

**CB TEST CERTIFICATE**

Product

AC-DC Converter

Name and address of the applicant

COSEL CO LTD  
1-6-43 KAMIAKAE-MACHI  
TOYAMA-SHI, 930-0816 TOYAMA Japan

Name and address of the manufacturer

COSEL CO LTD  
1-6-43 KAMIAKAE-MACHI  
TOYAMA-SHI, 930-0816 TOYAMA Japan

Name and address of the factory

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

Cosel Co., Ltd.  
1-6-43 Kamiakae-machi Toyama-shi, Toyama 930-0816,  
Japan

☒ Additional Information on page 2

Ratings and principal characteristics

AC 100-240 V, 50-60 Hz 0.25A (for model TUHS10F)  
DC 120-370 V, 0.11 A (for model TUHS10F)  
AC 100-240 V, 50-60 Hz 0.35A (for model TUHS15F)  
DC 120-370 V, 0.17 A (for model TUHS15F)

Trademark (if any)



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

Model / Type Ref.

TUHS10F05, TUHS10F12, TUHS10F15, TUHS10F24,  
TUHS15F05, TUHS15F12, See Page 2

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

Additionally evaluated to EN 60950-1:2006 / A11:2009 / A1:2010  
/ A12:2011 / A2:2013; 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 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

4788126517 issued on 2017-11-13

This CB Test Certificate is issued by the National Certification Body



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: 2017-11-14

Original Issue Date: 2017-03-23

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

**US-29505-A2-UL**

## Model Details:

TUHS10F05, TUHS10F12, TUHS10F15, TUHS10F24,  
TUHS15F05, TUHS15F12, TUHS15F15, TUHS15F24

May be provided with suffix -#####. Where # is any number 0 to 9 or letter A to Z or blank.

## Factories:

Cosel Co., Ltd.

Tateyama Factory 78 Dogenji, Tateyama-machi Nakaniikawa-gun, Toyama 930-0241,  
Japan

Eikoku Co., Ltd.

45-6 Nishida Kaneoke, Kokufu-cho, Takayama-shi, Gifu 509-4123,  
Japan

Eikoku Co., Ltd.

Toyama Satellite Factory 223 Nakajinzu Yatsuo-Machi, Toyama-shi, Toyama 939-2311,  
Japan

Daiyon Corp.

1-18 Zoushima, Fuchu-machi, Toyama-shi, Toyama 939-2726,  
Japan

Kyousei Corp.

501-1-2 Nakaoakubo Toyama-shi, Toyama 939-2243,  
Japan

Takanami Co., Ltd.

2000-39 Hirokami Imizu-shi, Toyama 939-0256,  
Japan

Sunrise Industries Co., Ltd.

2-24-6 Terajima, Itoigawa-shi, Niigata 941-0066,  
Japan

Wuxi Cosel Electronics Co., Ltd.

5TH FL, BLD A3, No.866 Liyuan Development Zone Wuxi Jiangsu 214072  
P.R. China

## Additional Information:

The original report was modified to include the following changes/additions: revision to model name and description,  
revision to critical component table, addition of alternate component; see Test report.

**Additional information (if necessary)**

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

UL (Denko), 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

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CB SCHEME**
**CB TEST CERTIFICATE**

Product

AC-DC Converter

Name and address of the applicant

Cosel Co., Ltd.  
1-6-43 Kamiakae-machi, Toyama-shi, Toyama 930-0816, Japan

Name and address of the manufacturer

Cosel Co., Ltd.  
1-6-43 Kamiakae-machi, Toyama-shi, Toyama 930-0816, Japan

Name and address of the factory

Cosel Co., Ltd.  
1-6-43 Kamiakae-machi Toyama-shi, Toyama 930-0816,  
Japan

*Note: When more than one factory, please report on page 2*
☒ [Additional Information on page 2](#)

Ratings and principal characteristics

Input:  
AC 100-240 V, 50-60 Hz 0.25A (for model TUHS10Fx)  
DC 120-370 V, 0.11 A (for model TUHS10Fx)  
AC 100-240 V, 50-60 Hz 0.35A (for model TUHS15Fx)  
DC 120-370 V, 0.17 A (for model TUHS15Fx)

Trademark (if any)



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

Model / Type Ref.

See Page 2

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

Additionally evaluated to EN 60950-1:2006/ A11:2009/ A1:2010/  
A12:2011/ A2:2013.

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 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

4787799754 issued on 2017-06-22

This CB Test Certificate is issued by the National Certification Body



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: 2017-06-23

Original Issue Date: 2017-03-23

Signature:



Jolanta M. Wroblewska

**Model Details:**

TUHS10Fx, TUHS15Fx (x = 05, 12, 15 or 24)

May be followed by suffix "#####".

# is any number 0 to 9 or letter A to Z or blank

**Factories:**

Cosel Co., Ltd. Tateyama Factory

78 Dogenji, Tateyama-machi Nakaniikawa-gun, Toyama 930-0241,  
Japan

Eikoku Co., Ltd.

45-6 Nishida Kaneoke, Kokufu-cho Takayama-shi, Gifu 509-4123,  
Japan

Eikoku Co., Ltd. Toyama Satellite Factory

223 Nakajinzu, Yatsuo-Machi Toyama-shi, Toyama 939-2311,  
Japan

Daiyon Corp.

1-18 Zoushima, Fuchu-machi, Toyama-shi, Toyama 939-2726,  
Japan

Kyousei Corp.

501-1-2 Nakaoakubo Toyama-shi, Toyama 939-2243,  
Japan

Takanami Co., Ltd.

2000-39 Hirokami Imizu-shi, Toyama 939-0256,  
Japan

Sunrise Industries Co., Ltd.

2-24-6 Terajima, Itoigawa-shi, Niigata 941-0066,  
Japan

Wuxi Cosel Electronics Co., Ltd.

5TH FL, BLD A3, No.866 Liyuan Development Zone Wuxi Jiangsu 214072  
P.R. China

**Additional Information:**

The original report was modified to include the following changes/additions:

- Addition of alternate PWB for Transformer T101: Sanwa Electronic Circuit Co., Ltd. Type NST6
- Addition of alternate PWB: CMK Corporation Type G3X
- Addition of factories: Sunrise Industries Co., Ltd. and Wuxi Cosel Electronics Co., Ltd. (see Name and address of factory (ies) for details.)
- Correction of manufacturer name and standard for alternate Optical Isolator (PC101) from "(CB) Toshiba Corporation" to "(SEMKO) Toshiba Corporation, Storage & Electronic Devices Solutions Company" from "IEC 60950-1:2005, A1 / EN60950-1:2006, A11;A1;A12" to "IEC 60950-1: 2005+A1+A2"
- Addition of National Differences countries for Germany (DE) and Turkey (TR).

**Additional information (if necessary)**


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: 2017-06-23

Original Issue Date: 2017-03-23

Signature:



Jolanta M. Wroblewska

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

Product

AC-DC Converter

Name and address of the applicant

COSEL CO LTD  
1-6-43 KAMIAKAE-MACHI  
TOYAMA-SHI, TOYAMA 930-0816 Japan

Name and address of the manufacturer

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Name and address of the factory

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1-6-43 Kamiakae-machi Toyama-shi, Toyama 930-0816,  
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Note: When more than one factory, please report on page 2

Ratings and principal characteristics

☒ [Additional Information on page 2](#)  
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Trademark (if any)



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

Model / Type Ref.

TUHS10Fx, TUHS15Fx  
See Page 2

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

☒ [Additional Information on page 2](#)

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

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

4787700107 issued on 2017-03-21

This CB Test Certificate is issued by the National Certification Body



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: 2017-03-23

Signature:



Jolanta M. Wroblewska

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

## Model Details:

TUHS10Fx, TUHS15Fx (x = 05, 12, 15 or 24)

May be provided with suffix "#####".

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Japan

Takanami Co., Ltd.

2000-39 Hirokami Imizu-shi, Toyama 939-0256,  
Japan

## Additional Information:

Additionally evaluated to EN 60950-1:2006/ A11:2009/ A1:2010/ A12:2011/A2:2013; 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

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Date: 2017-03-23

Signature:



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