


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	Cosel Co., Ltd. 1-6-43 Kamiakae-machi Toyama-shi, Toyama 930-0816, Japan <input checked="" type="checkbox"/> Additional Information on page 2
Note: When more than one factory, please report 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. <input checked="" type="checkbox"/> 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

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 Nakaookubo 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 discription, revision to critical component table, addition of alternate component; see Test report.

Additional information (if necessary)



UL (US), 333 Pflingsten 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

Date: 2017-11-14

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Signature:

Jolanta M. Wroblewska

**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, 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
<i>Note: When more than one factory, please report on page 2</i>	<input checked="" type="checkbox"/> 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. <input checked="" type="checkbox"/> 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/ncbnamesDate: 2017-06-23
Original Issue Date: 2017-03-23

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-29505-A1-UL

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 Pflingsten 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

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

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

Ratings and principal characteristics

[Additional Information on page 2](#)
AC 100-240 V, 50-60 Hz 0.25 A (for model TUHS10Fx)
DC 120-370 V, 0.11 A (for model TUHS10Fx)
AC 100-240 V, 50-60 Hz 0.35 A (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.

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

For full legal entity names see www.ul.com/ncbnames

Date: 2017-03-23

Signature:

Jolanta M. Wroblewska

Model Details:

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

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is any number 0-9 or letter A to Z or blank.

Factories:

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45-6 Nishida Kaneoke, Kokufu-cho, Takayama-shi, Gifu 509-4123,
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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 Nakaookubo Toyama-shi, Toyama 939-2243,
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



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

For full legal entity names see www.ul.com/ncbnames

Date: 2017-03-23

Signature:

Jolanta M. Wroblewska