



Ref. Certif. No.

JP-26318-M1-UL

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

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

Ratings and principal characteristics ☒ Additional Information on page 2  
For TUHS10F series:  
100-240 V AC, 50-60 Hz 0.25A or  
120-370 V DC, 0.11 A  
  
For TUHS15F series:  
100-240 V AC, 50-60 Hz 0.35A or  
120-370 V DC, 0.17 A

Trademark / Brand (if any) 

Customer's Testing Facility (CTF) Stage used CTF Stage 2

Model / Type Ref. TUHS10F05, TUHS10F12, TUHS10F15, TUHS10F24,  
TUHS15F05, TUHS15F12, TUHS15F15 and TUHS15F24  
May be provided with suffix -#####  
Where # is any number 0 to 9 or letter A to Z or blank.

Additional information (if necessary may also be reported on page 2) The report was revised to include technical modifications.  
Additionally evaluated to: EN IEC 62368-1:2020/A11:2020  
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 62368-1:2018

As shown in the Test Report Ref. No. which forms part of this Certificate E132067-A6152-CB-1 issued on 2024-12-23

This CB Test Certificate is issued by the National Certification Body



☐ UL Solutions (US), 333 Pfingsten 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: 2024-12-24

Original Issue Date: 2022-07-20

Signature:

  
Masamichi Takagi



Ref. Certif. No.

**JP-26318-M1-UL**

**Factory(ies):**

COSEL CO LTD  
TATEYAMA FACTORY  
78 DOGENJI, TATEYAMA-MACHI, NAKANIIKAWA-GUN, TOYAMA 930-0241,  
JAPAN

EIKOKU CO LTD  
45-6 NISHIDA KANEOKI, 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-KEN 939-2726,  
JAPAN

KYOUSEI CORP  
501-1-2 NAKAOKUBO, TOYAMA-SHI, TOYAMA-KEN 939-2243,  
JAPAN

TAKANAMI CO LTD  
2000-39 HIROKAMI IMIZU-SHI, TOYAMA-KEN 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  
CHINA

**Summary of Modifications:**

- [1] Addition of alternate (except for model TUHS15F05) Potting Compound, Dow Toray Co., Ltd., Type SE 1817 CV M LTV A/B KIT.
- [2] Addition of alternate Optical Isolator (PC101), LITE-ON Technology Corporation, Type LTV-217.
- [3] Deletion of Diode (D201) in Table 4.1.2.
- [4] Addition of original tested component for Cover (Optional), Diode Bridge (SS101), FET (TR102) and Inductor (L101) in Table 4.1.2.
- [5] Correction of Technical Data for alternate Diode Bridge (SS101) in Table 4.1.2 from "600 V, 0.8 A" to "Minimum 600 V, minimum 0.8 A".
- [6] Correction of Technical Data for alternate FET (TR102) in Table 4.1.2 from "3.5 A" to "minimum 3.5 A".
- [7] Correction of Technical Data for alternate Inductor (L101) in Table 4.1.2 from "Core: Ferrite, 470  $\mu$ H, see Enclosure Id. 4-09 for detail." to "470  $\mu$ H".

**Additional information (if necessary)**



- ☐ UL Solutions (US), 333 Pfingsten 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

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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	<input checked="" type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	For TUHS10F series: 100-240 V AC, 50-60 Hz 0.25A or 120-370 V DC, 0.11 A  For TUHS15F series: 100-240 V AC, 50-60 Hz 0.35A or 120-370 V DC, 0.17 A
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Additional information (if necessary may also be reported on page 2)	Additionally evaluated to EN IEC 62368-1:2020/ A11:2020. National Differences specified in the CB Test Report.  <input type="checkbox"/> Additional Information on page 2
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	E132067-A6152-CB-1 issued on 2022-07-19

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