



Ref. Certif. No.

JP-22022-M1-UL

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

CB TEST CERTIFICATE

Product

Name and address of the applicant

Name and address of the manufacturer

Name and address of the factory

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

Ratings and principal characteristics

Trademark / Brand (if any)

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

Model / Type Ref.

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

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

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

Power Supply

COSEL CO LTD
1-6-43 KAMIAKAE-MACHI TOYAMA-SHI TOYAMA 930-0816
JAPANCOSEL CO LTD
1-6-43 KAMIAKAE-MACHI TOYAMA-SHI TOYAMA 930-0816
JAPANCOSEL CO LTD
1-6-43 KAMIAKAE-MACHI TOYAMA-SHI TOYAMA 930-0816
JAPAN☒ Additional Information on page 2100 - 277 Vac, 50-60 Hz, 12 A (TUNS1200F12)
100 - 277 Vac, 50-60 Hz, 14 A (TUNS1200F28)
100 - 277 Vac, 50-60 Hz, 14 A (TUNS1200F48)**COSEL**

CTF Stage 2

TUNS1200F12, TUNS1200F28 and TUNS1200F48
(May be provided with suffix "-xy". Where "x" may be any combination of "N1", "Rn", "T", "Y1", "In" (n = any number 0 to 9) or blank. In the combination of two or more. Where "y" is any number 0 to 9 or any letter A to Z (except for "N", "R", "T", "Y", "I") or "-" or blank, in the combination of two or more.)

(Technical Modification)

☒ Additional Information on page 2IEC 60950-1:2005, IEC 60950-1:2005/AMD1:2009,
IEC 60950-1:2005/AMD2:2013

E132067-A6050-CB-1 issued on 2020-09-15

This CB Test Certificate is issued by the National Certification Body



- ☐ 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

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

Date: 2020-09-16

Original Issue Date: 2020-08-13

Signature:

Masamichi Takagi

Factories:

KITANIHON-DENSHI CORPORATION

53-1 TO, YAMADA-MACHI KAGA-SHI ISHIKAWA 922-0431

JAPAN

EIKOKU CO LTD TOYAMA SATELLITE FACTORY

223 NAKAJINZU YATSUO-MACHI TOYAMA-SHI TOYAMA 939-2311

JAPAN

SUNRISE INDUSTRIES CO LTD

2-24-6 TERAJIMA ITOIGAWA-SHI NIIGATA 941-0066

JAPAN

Additional Information:

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

- Change of suffix for "Model/Type reference", from "May be provided with suffix "-x". Where "x" may be any combination of "N1", "R2", "T", "Y1", "In" (n = any number 0 to 9) or blank. In the combination of two or more." to "May be provided with suffix "-xy". Where "x" may be any combination of "N1", "Rn", "T", "Y1", "In" (n = any number 0 to 9) or blank. In the combination of two or more. Where "y" is any number 0 to 9 or any letter A to Z (except for "N", "R", "T", "Y", "I") or "-" or blank, in the combination of two or more."
- Change of <Suffix > of "Model Difference", from "Suffix "R2" denotes reverses the logic of remote control function." to "Suffix "Rn" denotes changes the specifications of the remote control function."
- Correction of typo "Technical Considerations", from "Maximum base plate temperature of 85 °C of 100 % load and 100 °C of 75 % load for Input voltage 100-170 Vac and 100 °C of 65 % load for Input voltage 170-277 Vac for models TUNS1200F28 and TUNS1200F48." to "Maximum base plate temperature of 85 °C of 100 % load and 100 °C of 65 % load for Input voltage 100-170 Vac and 100 °C of 75 % load for Input voltage 170-277 Vac for models TUNS1200F28 and TUNS1200F48."

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)


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

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Power Supply

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1-6-43 KAMIAKAE-MACHI
TOYAMA-SHI
TOYAMA 930-0816 JAPAN

Name and address of the manufacturer

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TOYAMA-SHI
TOYAMA 930-0816 JAPAN

Name and address of the factory

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JAPAN

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

☒ Additional Information on page 2

Ratings and principal characteristics

100 - 277 Vac, 50-60 Hz, 12 A (TUNS1200F12)
100 - 277 Vac, 50-60 Hz, 14 A (TUNS1200F28)
100 - 277 Vac, 50-60 Hz, 14 A (TUNS1200F48)

Trademark / Brand (if any)

COSEL

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

CTF Stage 2

Model / Type Ref.

TUNS1200F12, TUNS1200F28 and TUNS1200F48
(May be provided with suffix "-x". Where "x" may be any combination of "N1", "R2", "T", "Y1", "In" (n = any number 0 to 9) or blank. In the combination of two or more.)

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 Difference 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 60950-1:2005, IEC 60950-1:2005/AMD1:2009,
IEC 60950-1:2005/AMD2:2013

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

E132067-A6050-CB-1 issued on 2020-08-12

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

Date: 2020-08-13

Signature:

M. Takagi

Masamichi Takagi

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Date: 2020-08-13

Signature:

Masamichi Takagi