



Ref. Certif. No.

JP-26514-M2-UL

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

CB TEST CERTIFICATE

Product

Power Supply

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
TATEYAMA FACTORY
78 DOGENJI TATEYAMAMACHI NAKANIIKAWA-GUN TOYAMA 930-0241
JAPAN

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

☐ Additional Information on page 2

Ratings and principal characteristics

100 - 240 V AC, 50-60 Hz, 7.0 A

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

GHA700F-12, GHA700F-24, GHA700F-30, GHA700F-48, and GHA700F-56
(Followed by suffix "-zyz". Where "y" is "J1" or "J5", Where "z" may be any combination of "C", "I3", "T3", "U1", "V", "Rn" (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)

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.
For Class I☒ 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-A6144-CB-1 issued on 2024-04-25

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

Date: 2024-04-25

Original Issue Date: 2022-09-29

Signature:

Masamichi Takagi



Ref. Certif. No.

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Summary of Modifications:

- [1] Addition of model [Class I] GHA700F-12 (Followed by suffix "-zyz". Where "y" is "J1" or "J5", Where "z" may be any combination of "C", "I3", "T3", "U1", "V", "Rn" (n = any number 0 to 9) or blank, in the combination of two or more.), [Class II] GHA700F-12 (Followed by suffix "-zEzyz". Where "y" is "J1" or "J5", Where "z" may be any combination of "C", "I3", "T3", "U1", "V", "Rn" (n = any number 0 to 9) or blank, in the combination of two or more.)
- [2] Addition of alternate Thermally conductive sheet A, Thermally conductive sheet B and Thermally conductive sheet C, Fuji Polymer Industries Co., Ltd., Type SARCON GR25B-0. (The thermal conductivity of alternate Thermally conductive sheet is identical to the original.)
- [3] Correction of "Manufacturer" for Cover of Transformer (T201) at Table 4.1.2 from "E I DUPONT DE NEMOURS & CO INC" to "Celanese International Corp."
- [4] Replaced specification by adding minor tape of Transformer (T301). (Enclosure Id. 4-11. Added alternate tapes not related to insulation construction.)
- [5] Replaced specification by adding the core material and changing the height of the inductor (L102). (Enclosure Id. 4-02.)
- [6] Correction of typo "technical data" for Diode Bridge (SS101) at Table 4.1.2 from "600 V, 25 A (Basic Insulation)" to "600 V, 25 A".
- [7] Correction of typo "technical data" for Insulation sheet between PWB and Chassis at Table 4.1.2, Table 5.4.4.2, Table 5.4.4.9 and Table 5.4.9 from "(Reinforced Insulation)" to " (Class I: Basic Insulation, Class II: Basic/Supplementary)".
- [8] Correction of typo "technical data" for Thermally conductive sheet A at Table 4.1.2 from "Overall 71 x 41 mm (Reinforced Insulation)" to "Overall 17 x 41 mm (Basic Insulation)".
- [9] Correction of typo "technical data" for Thermally conductive sheet B at Table 4.1.2 from "(Reinforced Insulation)" to "(Basic Insulation)".
- [10] Correction of typo "technical data" for Thermally conductive sheet C at Table 4.1.2, Table 5.4.4.2 and Table 5.4.4.9 from "0.25 mm thick. (Reinforced Insulation)" to "minimum 0.4 mm thick. (Class I: Basic Insulation, Class II: Supplementary)".
- [11] Correction of typo "Engineering Conditions of Acceptability" from "For models with suffix E (Class II construction), Basic or Supplementary insulation must be provided between Chassis and user accessible parts." to "For models with suffix E (Class II construction), Supplementary insulation must be provided between Chassis and user accessible parts."
- [12] Correction of typo T201 secondary pin number in Table 5.4.1.8, from "Pin 3" to "Pin 6", from "Pin 4" to "pin 5" and from "5, 6" to "3, 4".
- [13] Correction of typo Test item particulars:Manufacturer's specified Tma (°C) from "70" to "80".
- [14] Updated National Differences for Singapore. (Removed Enclosure ID 07-03.)

Additional information (if necessary)



- ☐ 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
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Name and address of the factory

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TATEYAMA FACTORY
78 DOGENJI TATEYAMAMACHI NAKANIIKAWA-GUN TOYAMA 930-0241 JAPAN

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Ratings and principal characteristics

100 - 240 V AC, 50-60 Hz, 7.0 A

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

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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.
For Class II

☒ Additional Information on page 2

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

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Date: 2024-04-25

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Signature:

Masamichi Takagi



Ref. Certif. No.

JP-26515-M2-UL

Summary of Modifications:

- [1] Addition of model [Class I] GHA700F-12 (Followed by suffix "-zyz". Where "y" is "J1" or "J5", Where "z" may be any combination of "C", "I3", "T3", "U1", "V", "Rn" (n = any number 0 to 9) or blank, in the combination of two or more.), [Class II] GHA700F-12 (Followed by suffix "-zEzyz". Where "y" is "J1" or "J5", Where "z" may be any combination of "C", "I3", "T3", "U1", "V", "Rn" (n = any number 0 to 9) or blank, in the combination of two or more.)
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- [13] Correction of typo Test item particulars:Manufacturer's specified Tma (°C) from "70" to "80".
- [14] Updated National Differences for Singapore. (Removed Enclosure ID 07-03.)

Additional information (if necessary)



- ☐ 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

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Date: 2024-04-25

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Ref. Certif. No.

JP-26514-M1-UL

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

CB TEST CERTIFICATE

Product

Power Supply

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
TATEYAMA FACTORY
78 DOGENJI TATEYAMAMACHI NAKANIIKAWA-GUN TOYAMA 930-0241
JAPAN

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

☐ Additional Information on page 2

Ratings and principal characteristics

100 - 240 V AC, 50-60 Hz, 7.0 A

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

GHA700F-24, GHA700F-30, GHA700F-48, and GHA700F-56 (Followed by suffix "-xyz". Where "y" is "J1" or "J5", Where "z" may be any combination of "C", "I3", "T3", "U1", "V", "Rn" (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)

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.
For Class I
☒ 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-A6144-CB-1 issued on 2023-03-16

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Date: 2023-03-17

Original Issue Date: 2022-09-29

Signature:

Masamichi Takagi



Ref. Certif. No.

JP-26514-M1-UL

Summary of Modifications:

- Change of Y-Capacitors (C181, C182, C183, C184, C581) (for Models with suffix E), from "1000 pF" to "470pF".
- Minor changes in circuit and PWB layout. (Table 5.4.2, 5.4.3: Minimum Clearances/Creepage distance were not changed.)
- Replacement of Enclosure Id. 3-01, 3-02, 3-03, 3-05, 5-01, 5-02, 5-03.
- Addition of national difference of China.
- Correction of Clause 4.4.3.1, Clause T.2, Table 4.1.2, Table T.2 and Enclosure Id. 7-06 for original evaluation result of Annex P.4. (No construction change was made.)

Additional information (if necessary)



- ☐ UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
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1-6-43 KAMIAKAE-MACHI TOYAMA-SHI TOYAMA 930-0816
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TATEYAMA FACTORY
78 DOGENJI TATEYAMAMACHI NAKANIICAWA-GUN TOYAMA 930-0241
JAPAN

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

☐ Additional Information on page 2

Ratings and principal characteristics

100 - 240 V AC, 50-60 Hz, 7.0 A

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

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Additionally evaluated to: EN IEC 62368-1:2020/A11:2020.
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- ☐ UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
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M. Takagi

Masamichi Takagi



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