



Ref. Certif. No.

JP-25931-M1-UL

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

CB TEST CERTIFICATE

Product

Switching 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

Input Ratings:
100-240 VAC, 50-60 Hz, 5.4 A or
88-350 VDC, 6.1 A
Output Ratings: See test report.

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

KHxA480F-24, KHxA480F-48
x = E or N
May be provided with suffix "y".
(Where "y" may be any combination of "-C", "-N2".)

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-A6096-CB-1 issued on 2024-08-21

This CB Test Certificate is issued by the National Certification Body



☐ UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
☐ UL Solutions (Denmark), 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/nbcbnames

Date: 2024-08-22

Original Issue Date: 2022-03-04

Signature:

Masamichi Takagi



Ref. Certif. No.

JP-25931-M1-UL

Factory(ies):

WUXI COSEL ELECTRONICS CO LTD
5TH FL, BLD A3, NO.866 LIYUAN DEVELOPMENT ZONE WUXI JIANGSU 214072
CHINA

Summary of Modifications:

- Update Manufacturer of Cover for Inductor (L106), Buckle for Transformer (T401) and Cover for Transformer (T401) from E I Dupont De Nemours & Co., Inc. to Celanese International Corp.
- Correction of typo of Technical Data of Buckle for Transformer (T401) from "0.7 mm" to "0.75 mm".
- Change of Technical Data of Y-Capacitors (C107, C108, C109) and Y-Capacitors (C110), from "300V" to "Minimum 250 V".
- Addition of Alternate of Y-Capacitors (C107, C108, C109) and Y-Capacitors (C110), Manufacturer: Murata Mfg. Co., Ltd. Type: RA
- Addition of Alternate of Y-Capacitors (C107, C108, C109) and Y-Capacitors (C110), Manufacturer: TDK Corporation Type: CD.
- Update of Object to Alternate, Manufacturer: "Sabic Innovative Plastics US L L C or Sabic Innovative Plastics B V or Sabic Japan L L C", Model: FR700.
- Addition of manufacturer "F&S US LLC or F&S Holding B.V. or F&S China Co., Ltd." Model:FR700.
- Addition Alternate of Insulation sheet between Chassis and PWB, F&S China Co., Ltd. Type: EFR95.
- Update National Difference for United States of America, Canada and Singapore.
- Deletion of Enclosure Id. 07-04, "National Difference of Singapore".

Additional information (if necessary)



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- ☐ UL Solutions (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
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Note: When more than one factory, please report on page 2	<input checked="" type="checkbox"/> Additional Information on page 2
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Model / Type Ref.	KHxA480F-24, KHxA480F-48 x = E or N May be provided with suffix "y". (Where "y" may be any combination of "-C", "-N2".)
Additional information (if necessary may also be reported on page 2)	Additionally evaluated to: EN IEC 62368-1:2020/A11:2020 National Difference specified in the CB Test Report. <input type="checkbox"/> Additional Information on page 2
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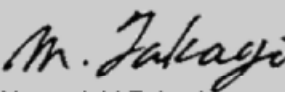


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