



Ref. Certif. No.

JP-26099-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

See Page 2

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

KHxA60F-12, KHxA60F-24
"x" = "E" or "N". May be followed by "-C".

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-A6104-CB-1 issued on 2024-08-08

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: 2024-08-09

Original Issue Date: 2022-04-25

Signature:

M. Takagi
Masamichi Takagi



Ref. Certif. No.

JP-26099-M1-UL

Factory(ies):

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

Ratings:

Input Ratings:

100-240 VAC, 50-60 Hz, 1.1 A (Model KHxA60F-12), 1.2 A (Model KHxA60F-24)

88-250 VDC, 0.75 A (Model KHxA60F-12), 0.82 A (Model KHxA60F-24)

Output Ratings: See Test Report

Summary of Modifications:

- 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.
- Update of Manufacturer of Bobbin for Inductor (L101), from E I Dupont De Nemours & Co., Inc. to Celanese International Corp, Type: FR530.
- Change of Technical Data of Y-Capacitors (C104, C108) (for Model KHxA60F-12), Y-Capacitors (C103, C104, C108) (for Model KHxA60F-24), Y-Capacitors (C104) (C103 and C108 are not provided) from "300V" to "Minimum 250V".
- Addition of alternate of Y-Capacitors (C104, C108) (for Model KHxA60F-12), Y-Capacitors (C103, C104, C108) (for Model KHxA60F-24), Y-Capacitors (C104) (C103 and C108 are not provided), Manufacturer: Murata Mfg. Co., Ltd., Type: RA.
- Addition of alternate of Y-Capacitors (C104, C108) (for Model KHxA60F-12), Y-Capacitors (C103, C104, C108) (for Model KHxA60F-24), Y-Capacitors (C104) (C103 and C108 are not provided), Manufacturer: TDK Corporation, Type: CD.
- Correction of Optocouplers (PC211, PC251), Type: from PS2561B to PS2861B, Technical data of voltage: from 5000Vrms to 3750Vrms, Standard: from IEC 62368-1:2014 to IEC 62368-1:2020+A11 and Mark(s) of conformity: from SEMKO (1516323) to SEMKO (SE-S-2201074).
- Correction of Type of Conformal Coating used on PWB for models with suffix C, from "1A27NS or 1A27" to "1A27 LTX or 1A27LU or 1A27LU LTX or 1A27NS or 1A27NSLU or 1A27% (%: Designations may be followed by a dash, number and the letter L.)".
- Update National Difference for United States of America and Canada.

Additional information (if necessary)



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- ☐ 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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