



Ref. Certif. No.

JP-26169-M1-UL

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

CB TEST CERTIFICATE

Product	DC-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	<input checked="" type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	(Optional) MHFS62405: <Input rating> 9 – 36 VDC (24 VDC typical), 0.82 A maximum (0.31 A at 24 VDC input) <Output rating> 5.0 VDC (4.5 – 6.0 VDC), maximum 1.2 A (maximum 6 W) See General product information for ratings of all models in CBTR.
Trademark / Brand (if any)	
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	MHFx6yz (x = S or W, y = 12, 24 or 48, z = 3R3, 05, 09, 12 or 15 (for x = S), z = 12 or 15 (for x = W) May be followed by suffix "-#" which can be any number 0 to 9 or any letter A to Z or blank, single number, letter or 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. <input checked="" 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-A6128-CB-1 issued on 2024-05-13

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: 2024-05-13
Original Issue Date: 2022-05-25

Signature:
Masamichi Takagi



Ref. Certif. No.

JP-26169-M1-UL

Factory(ies):

COSEL CO LTD,
TATEYAMA FACTORY
78 DOGENJI TATEYAMAMACHI NAKANIKAWA-GUN TOYAMA 930-0241
JAPAN

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

Summary of Modifications:

- Correction of "Manufacturer" and "Mark(s) of Conformity" for Alternate Potting Compound at Table 4.1.2 from "MOMENTIVE PERFORMANCE MATERIALS JAPAN L L C" and "UL (E56745)" to "MOMENTIVE PERFORMANCE MATERIALS(NAN TONG) CO LTD" and "UL (E320603)".
- Updated National Differences for Singapore. (Removed Enclosure ID 07-07.)
- Correction of typo of Testing procedure: CTF Stage 2: Tested by (name) from "Soutarou Sakurai" to "Sotaro Sakurai".

Additional information (if necessary)



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- 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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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-A6128-CB-1 issued on 2022-05-24

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- 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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Date: 2022-05-25

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Masamichi Takagi



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Factory(ies):

COSEL CO LTD, TATEYAMA FACTORY
78 DOGENJI TATEYAMAMACHI NAKANIKAWA-GUN TOYAMA 930-0241
JAPAN

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

Additional information (if necessary)



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Date: 2022-05-25

Signature:

Masamichi Takagi