



Ref. Certif. No.

JP-27978-A1-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 <input type="checkbox"/> Additional Information on page 2
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	See Page 2
Trademark / Brand (if any)	
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	See Page 2
Additional information (if necessary may also be reported on page 2)	The report was revised to include corrections. 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-A6193-CB-1 issued on 2025-03-11

This CB Test Certificate is issued by the National Certification Body



- 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

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2025-03-11  
Original Issue Date: 2025-02-27

Signature:   
Masamichi Takagi



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**Model Detail(s):**

MUx3yz, MUx1R5yz,

"x" = S or W, "y" = 05, 12, 24 or 48, "z" = 3R3, 05, 12, 15 (when "x" = W, "z" is 12 or 15). May be provided with suffix "&-\$#". ("&" = any letter A to Z or blank, "\$" = G, R (model MUx1R5yz only) or blank, "#" represents one or more digits of any alphanumeric characters 0 to 9 or A to Z or blank.)

**Ratings:**

Input Ratings: MUS1R5053R3: 4.5 - 9 VDC/ 0.38 A maximum, MUS1R50505 and MUS1R50515: 4.5 - 9 VDC/ 0.41 A maximum, MUS1R50512: 4.5 - 9 VDC/ 0.43 A maximum, MUS1R5123R3: 9 - 18 VDC/ 0.20 A maximum, MUS1R51205 and MUS1R51215: 9 - 18 VDC/ 0.21 A maximum, MUS1R51212: 9 - 18 VDC/ 0.22 A maximum, MUS1R5243R3: 18 - 36 VDC/ 0.10 A maximum, MUS1R52405, MUS1R52412 and MUS1R52415: 18 - 36 VDC/ 0.11 A maximum, MUS1R5483R3, MUS1R54805, MUS1R54812 and MUS1R54815: 36- 76 VDC/ 0.06 A maximum

MUW1R50512: 4.5 - 9 VDC/ 0.43 A maximum, MUW1R50515: 4.5 - 9 VDC/ 0.42 A maximum, MUW1R51212: 9 - 18 VDC/ 0.22 A maximum, MUW1R51215: 9 - 18 VDC/ 0.21 A maximum, MUW1R52412 and MUW1R52415: 18 - 36 VDC/ 0.11 A maximum, MUW1R54812 and MUW1R54815: 36- 76 VDC/ 0.06 A maximum

MUS3053R3: 4.5 - 9 VDC/ 0.56 A maximum, MUS30505: 4.5 - 9 VDC/ 0.81 A maximum, MUS30512: 4.5 - 9 VDC/ 0.80 A maximum, MUS30515: 4.5 - 9 VDC/ 0.79 A maximum, MUS3123R3: 9 - 18 VDC/ 0.28 A maximum, MUS31205 and MUS31212: 9 - 18 VDC/ 0.40 A maximum, MUS31215: 9 - 18 VDC/ 0.39 A maximum, MUS3243R3: 18 - 36 VDC/ 0.15 A maximum, MUS32405: 18 - 36 VDC/ 0.21 A maximum, MUS32412 and MUS32415: 18 - 36 VDC/ 0.20 A maximum, MUS3483R3: 36- 76 VDC/ 0.08 A maximum, MUS34805: 36- 76 VDC/ 0.11 A maximum, MUS34812 and MUS34815: 36- 76 VDC/ 0.10 A maximum

MUW30512: 4.5 - 9 VDC/ 0.84 A maximum, MUW30515: 4.5 - 9 VDC/ 0.81 A maximum, MUW31212: 9 - 18 VDC/ 0.42 A maximum, MUW31215: 9 - 18 VDC/ 0.40 A maximum, MUW32412: 18 - 36 VDC/ 0.22 A maximum, MUW32415: 18 - 36 VDC/ 0.21 A maximum, MUW34812 and MUW34815: 36- 76 VDC/ 0.11 A maximum

Output Ratings: See test report for details.

**Summary of Modifications:**

- [1] Correction of typo error in Input Ratings in CB Test Report ref. E132067-A6193-CB-1 (Original) from "60 VDC" to "76 VDC".;
- [2] Correction of typo error Page 72 of 118 in Table 5.4.1.4, 9.3, B.1.5, B.2.6 in CB Test Report ref. E132067-A6193-CB-1 (Original) from "12V" to "24V".

**Additional information (if necessary)**



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Signature:

*M. Takagi*  
Masamichi Takagi



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Output Ratings: See test report for details.

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