

**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

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

COSEL CO., LTD. TATEYAMA FACTORY
78 DOGENJI, TATEYAMA-MACHI NAKANIKA-KAWA-GUN,
TOYAMA 930-0241,
JAPAN

☒ [Additional Information on page 2](#)

Ratings and principal characteristics

See Page 2

Trademark (if any)



Type of Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

See Page 2

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to EN 60950-1:2006/ A11:2009/ A1:2010/
A12:2011/ A2:2013.

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 60950-1:2005, IEC 60950-1:2005/AMD1:2009,
IEC 60950-1:2005/AMD2:2013

As shown in the Test Report Ref. No. which forms part of this Certificate

E132067-A150-CB-1 issued on 2019-08-22

This CB Test Certificate is issued by the National Certification Body



UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK

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

For full legal entity names see www.ul.com/ncbnames

Date: 2019-08-23

Original Issue Date: 2019-03-29

Signature:

Masamichi Takagi

Model Details:

CHS30048y-#####, y is 10, 12, 12H, 15, 24, 28, 32, 48
may be followed by -#####
(# is L2, L5, B, R, U, I or blank, any number 0 to 9 or letter A to Z.)
CHS30024z-#####, z is 05, 12, 15, 24, 28, 32, 48
may be followed by -#####
(# is L2, L5, B, BC, R, U or blank, any number 0 to 9 or letter A to Z.)

Factories:

EIKOKU CO., LTD.
45-6 NISHIDA KANEOKE, KOKUFU-CHO TAKAYAMASHI, Gifu 509-4123,
JAPAN

KYOUSEI CORP.
501-1-2 NAKAOKUBO TOYAMA-SHI, TOYAMA 939-2243,
JAPAN

COSEL CO., LTD.
1-6-43 KAMIAKAE-MACHI TOYAMA-SHI, TOYAMA 930-0816,
JAPAN

DAIYON CORP.
1-18 ZOUSHIMA, FUCHU-MACHI, TOYAMA-SHI, TOYAMA 939-2726,
JAPAN

TAKANAMI CO., LTD.
2000-39 HIROKAMI IMIZU-SHI, TOYAMA 939-0256,
JAPAN

EIKOKU CO., LTD. TOYAMA SATELLITE FACTORY
223 NAKAJINZU YATSUO-MACHI TOYAMA-SHI, TOYAMA 939-2311,
JAPAN

Ratings:

Model CHS3004810: 36-76 Vdc, maximum 8.82 A
Model CHS3004812: 36-76 Vdc, maximum 8.82 A
Model CHS3004812H: 36-76 Vdc, maximum 8.73 A
Model CHS3004815: 36-76 Vdc, maximum 8.96 A
Model CHS3004824: 36-76 Vdc, maximum 8.96 A
Model CHS3004828: 36-76 Vdc, maximum 9.03 A
Model CHS3004832: 36-76 Vdc, maximum 8.99 A
Model CHS3004848: 36-76 Vdc, maximum 9.03 A
Model CHS3002405: 18-36 Vdc, maximum 11.89 A
Model CHS3002412: 18-36 Vdc, maximum 12.11 A
Model CHS3002415: 18-36 Vdc, maximum 12.03 A
Model CHS3002424: 18-36 Vdc, maximum 15.22 A
Model CHS3002428: 18-36 Vdc, maximum 15.22 A
Model CHS3002432: 18-36 Vdc, maximum 15.27 A
Model CHS3002448: 18-36 Vdc, maximum 15.37 A

Additional Information:

(Technical Modification)

The original report was modified to include the following changes/additions:

- [1] Addition of Model CHS3004815-#####, CHS3004824-#####, CHS3004828-#####, CHS3004832-#####, CHS3004848-#####, may be followed by -##### (# is L2, L5, B, R, U, I or blank, any number 0 to 9 or letter A to Z.).
- [2] Addition of alternate PWB / Transformer (T101) (for Model CHS3004810, CHS3004812, CHS3004812H, CHS3002405, CHS3002412, CHS3002415), Shen Nan Circuits Corp Ltd., Type M4a.
- [3] Correction of Typo of Table 1.5.1 as follows. (No construction change was made.)
- technical data of Inductor (L101) for Model CHS30024 series was corrected from "0.75 μ H, at 100 kHz" to "0.20 μ H, at 100 kHz".

Additional information (if necessary)


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