

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE  
CERTIFICATS D'ESSAIS DES EQUIPEMENTS  
ELECTRIQUES (IECEE) METHODE OC

## CB TEST CERTIFICATE

Product  
Produit

Name and address of the applicant  
Nom et adresse du demandeur

Name and address of the manufacturer  
Nom et adresse du fabricant

Name and address of the factory  
Nom et adresse de l'usine

Note: When more than one factory, please report on page 2  
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2<sup>ème</sup> page

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

Trademark (if any)  
Marque de fabrique (si elle existe)

Type of Manufacturer's Testing Laboratories used  
Type de programme du laboratoire d'essais  
constructeur

Model / Type Ref.  
Ref. De type

Additional information (if necessary may also be  
reported on page 2)  
Les informations complémentaires (si nécessaire,,  
peuvent être indiqués sur la 2<sup>ème</sup> page

A sample of the product was tested and found  
to be in conformity with  
Un échantillon de ce produit a été essayé et a été  
considéré conforme à la

As shown in the Test Report Ref. No. which forms  
part of this Certificate  
Comme indiqué dans le Rapport d'essais numéro de  
référence qui constitue partie de ce Certificat

## CERTIFICAT D'ESSAI OC

DC-DC Converter

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

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

OKI COMMUNICATION SYSTEMS CO LTD  
1 KAMI-YAMAGUCHI  
TOKOROZAWA-SHI, 359-1153 SAITAMA-KEN Japan

☐ Additional Information on page 2

See Page 2



SNDHS100A05, SNDHS100A12, SNDHS100A15,  
SNDHS100A24, SNDHS100B03, SNDHS100B05, See 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

IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1, IEC 60950-  
1(ed.2);am2

E132067-A73-CB-2 issued on 2015-12-28

This CB Test Certificate is issued by the National Certification Body

Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



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

UL (Demko), 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](http://www.ul.com/ncbnames)

Date: 2015-12-29

Signature:



Jolanta M. Wroblewska

**Model Details:**

SNDHS100A05, SNDHS100A12, SNDHS100A15, SNDHS100A24, SNDHS100B03, SNDHS100B05, SNDHS100B12, SNDHS100B15, SNDHS100B24, SNDHS100B28, SNDHS50A05, SNDHS50A12, SNDHS50A15, SNDHS50A24, SNDHS50B03, SNDHS50B05, SNDHS50B12, SNDHS50B15, SNDHS50B24, SNDHS50B28 Maybe provided with suffix "-xxxx". "x" is "C", "G", "R", "J" or blank.

Suffix "C" denotes Damp proof coating provided.

Suffix "G" denotes Reduced leakage current model.

Suffix "R" denotes Remote control circuit provided.

Suffix "J" denotes Connector provided instead of terminal block.

**Ratings:**

60 - 160 Vdc (for Models SNDHS50A05, SNDHS50A12, SNDHS50A15, SNDHS50A24, SNDHS100A05, SNDHS100A12, SNDHS100A15, SNDHS100A24)  
 1.02 A (for Model SNDHS50A05), 0.97 A (for Models SNDHS50A12, SNDHS50A15, SNDHS50A24), 1.98 A (for Model SNDHS100A05), 1.89 A (for Models SNDHS100A12, SNDHS100A15, SNDHS100A24)  
 200 - 400 Vdc (for Models SNDHS50B03, SNDHS50B05, SNDHS50B12, SNDHS50B15, SNDHS50B24, SNDHS50B28, SNDHS100B03, SNDHS100B05, SNDHS100B12, SNDHS100B15, SNDHS100B24, SNDHS100B28)  
 0.22 A (for Model SNDHS50B03), 0.32 A (for Model SNDHS50B05), 0.31 A (for Models SNDHS50B12, SNDHS50B15, SNDHS50B24, SNDHS50B28), 0.42 A (for Model SNDHS100B03), 0.61 A (for Model SNDHS100B05), 0.60 A (for Models SNDHS100B12, SNDHS100B15, SNDHS100B24 and SNDHS100B28)

**Additional information (if necessary)**
**Information complémentaire (si nécessaire)**


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

☐ UL (Demko), 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](http://www.ul.com/ncbnames)

Date: 2015-12-29

Signature:



Jolanta M. Wroblewska