

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

MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY CO.,
LTD
5 KEHUI ST 1 KEHUI DEVELOPMENT CENTER SCIENCE AVE,
GUANGZHOU SCIENCE CITY LUOGANG DISTRICT
GUANGZHOU, GUANGDONG 510000 CHINA

Name and address of the manufacturer

MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY CO.,
LTD
5 KEHUI ST 1 KEHUI DEVELOPMENT CENTER SCIENCE AVE,
GUANGZHOU SCIENCE CITY LUOGANG DISTRICT
GUANGZHOU, GUANGDONG 510000 CHINA

Name and address of the factory

MORNSUN (HUAIHUA) SCIENCE & TECHNOLOGY CO.LTD.
NO.16, Jianshe Avenue, High- tech Industrial Development
District, Huaihua, Hunan
China*Note: When more than one factory, please report on page 2* Additional Information on page 2

Ratings and principal characteristics

Input: 5Vdc, 415mA.
Output: See test report for details

Trademark / Brand (if any)



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

Model / Type Ref.

IB05xxLS-1WR3*, IF05xxS-1WR3*
See Page 2

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

The report was revised to include technical modifications.

 Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62368-1:2014

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

18PNC050019 18002 issued on 2020-09-11

This CB Test Certificate is issued by the National Certification Body



- 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

Date: 2020-10-13

Signature:

Original Issue Date: 2018-06-04

Jan-Erik Storgaard



Ref. Certif. No.

DK-73609-M1-UL

Model Details:

IB05xxLS-1WR3*,IF05xxS-1WR3* (xx=05, 09, 12, 15, 24; *=Blank or "-TR" or "-xy"; see test report for details)

Additional Information:

Additionally evaluated to EN 62368-1:2014/A11:2017

National Difference specified in the CB Test Report

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

1. Alternate the new PCB Layout for models IB05xxLS-1WR3*; IF05xxS-1WR3* (xx=05, 09,12,15) The location of some components have been adjusted.
2. Removed secondary component R8 and added components R1, R2. See new schematic for details.
3. Added new models IB0524LS-1WR3*; IF0524S-1WR3*(*=Blank or "-TR" or "-xy") with the new PCB Layout different with other model, including: secondary circuit diagram, transformer and PCB layout.
4. Change the transformer model.
5. Add alternative source of resin.
6. Change the applicant's name from "MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY LTD" to "MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY CO., LTD"
7. Change the factory's name and address.

Additional information (if necessary)



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

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