

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

CERTIFICAT D'ESSAI OC

Product
Produit

Projector

Name and address of the applicant
Nom et adresse du demandeur

NEC Display Solutions, Ltd.
686-1 Nishioi, Oi-machi
Ashigarakami-gun, Kanagawa, 258-8533 Japan

Name and address of the manufacturer
Nom et adresse du fabricant

NEC Display Solutions, Ltd.
686-1 Nishioi, Oi-machi
Ashigarakami-gun, Kanagawa, 258-8533 Japan

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

See additional page(s)

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

AC 100-240V, 50/60Hz; 1) 3.5-1.5A; 2) 3.9-1.7A; 3) 3.8-1.6A
4) 3.4-1.4A; AC 200-240V, 50/60Hz; 5) 1.7A; 6) 1.9A
Class I

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

NEC

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

N/A

Model / Type Ref.
Ref. de type

1) NP-UM301X, NP-UM301W, 2) NP-UM352W, NP-UM352WTM
3) NP-UM361X, NP-UM351W, 4) NP-ME401W, NP-ME401X
5) NP-UM301X+, NP-UM301W+, 6) NP-UM361X+, NP-UM351W+

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,
peuvent être indiqués sur la 2^{ème} page)

For model details, refer to the test report.
For model differences, refer to the test report.
Re-issue of JPTUV-067724-M1 dated 18.10.2016,
due to non-technical change.

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

IEC 60950-1:2005+A1+A2
See Test Report for National Differences

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

11042897 003

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification



TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021 Japan
Phone + 81 45 914-3888
Fax + 81 45 914-3354
Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 21.10.2016

Signature:

Dipl.-Ing. F. Stoelzel

1. SUZHOU SHIN-EI SANGYO CO., LTD.
No. 158-106, 108,
Huashan Road, New District Suzhou,
Jiangsu, China 215011
P.R. China
2. NEC Platforms Thai Co., Ltd.
60/81 Moo 19 Nava Nakorn Industrial
Zone, Paholyothin Road, Tambol Klong
Nueng, Amphur Klong Luang,
Pathumthani Province 12120, Thailand

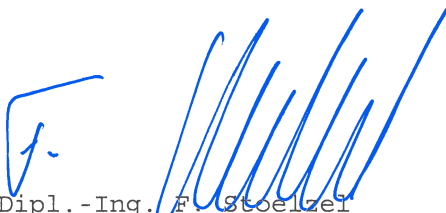
Additional information (if necessary)
Information complémentaire (si nécessaire)

Report Ref. No.: 11042897 003

Date:

21.10.2016

Signature:


Dipl.-Ing. F. Stoezel



Test Report issued under the responsibility of:



TEST REPORT

IEC 60950-1

Information technology equipment – Safety – Part 1: General requirements

Report Number.: 11042897 003

Date of issue: October 20, 2016

Total number of pages.....: 7

Applicant's name: NEC Display Solutions, Ltd.

Address: 686-1 Nishioi, Oi-machi, Ashigarakami-gun, Kanagawa, 258-8533
Japan

Test specification:

Standard: IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013

Test procedure.....: CB Scheme

Non-standard test method.....: N/A

Test Report Form No.....: IEC60950_1F

Test Report Form(s) Originator.....: SGS Fimko Ltd

Master TRF: Dated 2014-02

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If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.

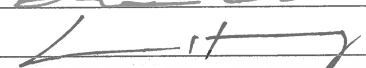
This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

Test item description	Projector
Trade Mark	NEC
Manufacturer.....	Same as applicant
Model/Type reference	Refer to report no. 11042897 002 pages 8 and 9
Ratings	Refer to report no. 11042897 002 pages 8 and 9

Testing procedure and testing location:		
☒	CB Testing Laboratory:	TÜV Rheinland Taiwan Ltd., Taichung Laboratory
Testing location/ address		No. 9, Ln. 36, Sec. 3, Minsheng Rd., Daya District, Taichung City 428, Taiwan
☐	Associated CB Testing Laboratory:	
Testing location/ address		
Tested by (name + signature)		Duck Lee 
Approved by (name + signature)		Carol Huang 
☐	Testing procedure: TMP/CTF Stage 1:	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature)		
☐	Testing procedure: WMT/CTF Stage 2:	
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name + signature)		
Approved by (name + signature)		
☐	Testing procedure: SMT/CTF Stage 3 or 4:	
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name + signature)		
Approved by (name + signature)		
Supervised by (name + signature)		

List of Attachments (including a total number of pages in each attachment):

N/A

Summary of testing:**Tests performed (name of test and test clause):**

N/A

Testing location:

N/A

Summary of compliance with National Differences**List of countries addressed:**

EU Group Differences, EU Special National Conditions, CA, US,

Explanation of used codes: US = United States of America, CA = Canada

☒ The product fulfils the requirements of EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013**For IEC 60950-1:2005 / EN 60950-1:2006+A11:2009+A1:2010+A12:2011 (per client request):**

EU Group Differences, EU Special National Conditions, CN*, DE, FI, IL, KR,

Explanation of used codes: CN = China, DE = Germany, FI = Finland, IL = Israel, KR = Republic of Korea

* National difference to IEC 60950-1:2005 evaluated.

☒ The product fulfils the requirements of EN 60950-1:2006/A11:2009/A1:2010/A12:2011

Copy of marking plate

N/A

Test item particulars :	
Equipment mobility	: ☒ movable ☐ hand-held ☐ transportable ☒ stationary ☐ for building-in ☐ direct plug-in
Connection to the mains	: ☒ pluggable equipment ☒ type A ☐ type B ☐ permanent connection ☒ detachable power supply cord ☐ non-detachable power supply cord ☐ not directly connected to the mains
Operating condition	: ☒ continuous ☐ rated operating / resting time:
Access location	: ☒ operator accessible ☐ restricted access location
Over voltage category (OVC)	: ☐ OVC I ☒ OVC II ☐ OVC III ☐ OVC IV ☐ other:
Mains supply tolerance (%) or absolute mains supply values : +10 and -10	
Tested for IT power systems	: ☒ Yes ☐ No
IT testing, phase-phase voltage (V)	: 230 V
Class of equipment	: ☒ Class I ☐ Class II ☐ Class III ☐ Not classified
Considered current rating of protective device as part of the building installation (A) : 20	
Pollution degree (PD)	: ☐ PD 1 ☒ PD 2 ☐ PD 3
IP protection class	: IPX0
Altitude during operation (m)	: Up to 5000
Altitude of test laboratory (m)	: Less than 2000
Mass of equipment (kg)	: Approx. 6.0
Possible test case verdicts:	
- test case does not apply to the test object.....: N/A	
- test object does meet the requirement: P (Pass)	
- test object does not meet the requirement.....: F (Fail)	
Testing :	
Date of receipt of test item	: N/A
Date(s) of performance of tests.....	: N/A
General remarks:	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report. Throughout this report a ☐ comma / ☒ point is used as the decimal separator.	

Manufacturer's Declaration per sub-clause 4.2.5 of IEC 60950-1:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided..... :

- ☒ **Yes**
☐ **Not applicable**

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies)..... :

1. SUZHOU SHIN-EI SANGYO CO., LTD.
No. 158-106, 108, Huashan Road, New District Suzhou, Jiangsu, China 215011, P.R. China
2. NEC Platforms Thai Co., Ltd.
60/81 Moo 19 Nava Nakorn Industrial Zone, Paholyothin Road, Tambol Klong Nueng, Amphur Klong Luang, Pathumthani Province 12120, Thailand

General product information:

Description of change(s):

1. Correction typing error of report No.: 11042897 002 page 11 to page 14 Report No. from 11042897 001 to 11042897 002.

Change	Testing	Comments
1.	• N/A	No further tests considered to be necessary, see table 1.5.1 for details.

History of amendments and modifications:

Ref. No. 11042897 001, dated 22. 09. 2015 (original test report)
 Ref. No. 11042897 002, dated 12. 10. 2016 (modification)
 Ref. No. 11042897 003, dated 20. 10. 2016 (amendment)

Abbreviations used in the report:

- normal conditions	N.C.	- single fault conditions	S.F.C
- functional insulation	OP	- basic insulation	BI
- double insulation	DI	- supplementary insulation	SI
- between parts of opposite polarity	BOP	- reinforced insulation	RI

Indicate used abbreviations (if any)