



財團法人全國認證基金會
Taiwan Accreditation Foundation

認 證 證 書

(證書編號：L2261-230423)

茲證明

華城電機股份有限公司

華城電機股份有限公司開關處測試實驗室

桃園市觀音區中正路 55 號

為本會認證之實驗室

認 證 依 據：ISO/IEC 17025：2017；CNS 17025：2018

認 證 編 號：2261

初 次 認 證 日 期：一 百 年 二 月 八 日

認 證 有 效 期 間：一 百 一 十 二 年 六 月 十 六 日 至 一 百 一 十 五 年 六 月 十 五 日 止

認 證 範 圍：測 試 領 域，如 續 頁

董事長

連錦漳



掃描確認真偽

中華民國一十二年四月二十三日

認證編號：2261

實驗室主管：張旦宗

31.06 電力設備

氣體絕緣開關設備

E006

- a. 主回路商頻耐電壓試驗
- b. 輔助和控制回路的絕緣試驗
- c. 主回路電阻測量
- d. 部分放電測量
- e. 氣體密封性試驗
- f. 機械操作試驗(斷路器, 隔離開關, 接地開關)
- g. 接線正確性的驗證
- h. 衝擊電壓試驗
- i. 溫升試驗

IEC 62271-1 (2011)

IEC 62271-200 (2011)

3 ϕ , 24 kV Max., 2,500 A Max., 60 Hz, 25 kA Max.

報告簽署人: 張旦宗; 陳柏銓

31.07 電力設備

斷路器

E006

1. 構造檢查
2. 主回路商頻耐電壓試驗
3. 主回路電阻測量
4. 機械開閉及特性試驗

IEC 62271-1 (2011)

IEC 62271-100 (2012)

3 ϕ , 12 kV Max., 3150 A Max., 50 kA Max., 60Hz.

3 ϕ , 24 kV Max., 2500 A Max., 25 kA Max., 60Hz.

報告簽署人: 張旦宗; 陳柏銓

31.08 電力設備

高壓配電盤

E006

- a. 構造檢查(設計及目視檢查)
- b. 主回路及輔助回路商用頻率耐電壓試驗



(主電路之電介質試驗/輔助及控制電路之電介質試驗)

- c. 主回路電阻量測 (主電路電阻之量測)
 - d. 機構動作試驗 (機械操作試驗)
 - e. 配線之確認及電氣動作試驗 (操作裝置試驗/輔助電路及控制電路之試驗)
 - f. 溫升試驗
 - g. 衝擊耐電壓試驗 (雷衝擊電壓試驗)
- CNS 3990 (84 年版)
CNS 3991 (84 年版)
IEC 62271-1 (2011)
IEC 62271-200 (2011)
CNS 15156-200 (100 年版)
CNS 15156-1 (102 年版)
3 ϕ , 24 kV Max., 4000 A Max., 60 Hz

報告簽署人: 張旦宗; 陳柏銓

31.12 電力設備

低電壓金屬閉鎖型配電箱

E007

- a. 構造檢查
- b. 機構動作試驗
- c. 程序試驗
- d. 耐電壓試驗
- e. 溫升試驗
- f. 絕緣電阻試驗

CNS 13543
CNS 13542
CNS 3988 (僅適用於絕緣電阻試驗)
3 ϕ , 600 V Max., 6000 A Max., 60 Hz

報告簽署人: 張旦宗; 陳柏銓

31.12 電力設備

低電壓開關裝置及控制裝置組裝品 (例行查證)

E007

- a. 箱體之保護等級 (不含機械防撞擊保護試驗)
- b. 空間距離及沿面距離
- c. 防雷擊之保護及保護性電路之完整性
- d. 內建式組件之結合
- e. 內部電氣電路及連接
- f. 外部導體用之端子
- g. 機械操作
- h. 介電特性 (限商頻耐電壓試驗)
- i. 配線、運轉性能及功能



IEC 61439-1 (2011)
IEC 61439-2 (2011)
CNS 15783-1
3 Ø, AC 480 V Max., 6300 A Max., 60 Hz/50 Hz.
IP4X Max.

報告簽署人: 張旦宗; 陳柏銓

31.12 電力設備
低壓電動機控制中心
E007

- a. 構造檢查
- b. 耐電壓試驗
- c. 順序試驗
- d. 溫昇試驗
- e. 絕緣電阻試驗

CNS 3989
CNS 3988
3 φ, 600 V Max., 2000A Max., 60Hz

報告簽署人: 張旦宗; 陳柏銓

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財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

(Certificate No : L2261-230423)

This is to certify that

Fortune Electric Co.,Ltd

Fortune Electric Co.,Ltd Switchgear Division Test Laboratory

No.55, Zhongzheng Rd., Guanyin Dist., Taoyuan City

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2017 ; CNS 17025:2018

Accreditation Number : 2261

Originally Accredited : February 08, 2011

Effective Period : June 16, 2023 to June 15, 2026

Accredited Scope : Testing Field, see described in the Appendix



Scan to verify

Ching-Chang Lien

Ching-Chang Lien
President, Taiwan Accreditation Foundation
April 23, 2023

Accreditation Number : 2261

Laboratory Head : CHANG, Tan-Chung

▀ 31. 06 Electrical power equipment

Gas Insulated Switchgear

E006

- a. Power-frequency Voltage tests of the main circuit.
- b. Power-frequency voltage tests on auxiliary and control circuits
- c. Measurement of the resistance of the main circuit
- d. Partial discharge measurement
- e. Gas tightness tests
- f. Mechanical operation tests (circuit breaker, disconnecting switch, earthing switch)
- g. Verification of the correct wiring and functional tests.
- h. Lightning impulse voltage test
- i. Temperature-rise test

IEC 62271-1 (2011)

IEC 62271-200 (2011)

3 φ, 24 kV Max., 2,500 A Max., 60 Hz, 25 kA Max.

Approval Signatory: CHANG, Tan-Chung; CHEN, Po-Chuan

▀ 31. 07 Electrical power equipment

Circuit Breaker

E006

- 1.Design and visual checks.
- 2.Power-frequency Voltage tests on the main circuit.
- 3.Measurement of the resistance of the main circuit
- 4.Mechanical operating tests.

IEC 62271-1(2011)

IEC 62271-100(2012)

3 φ, 12 kV Max., 3150 A Max., 50 kA Max., 60Hz.

3 φ, 24 kV Max., 2500 A Max., 25 kA Max., 60Hz.

Approval Signatory: CHANG, Tan-Chung; CHEN, Po-Chuan

▀ 31. 08 Electrical power equipment

High Voltage Switch Board/Panel (High-Voltage Switchgear and controlgear)

E006

- a. Design and visual checks (Design and Visual Inspection)
- b. Power-frequency voltage tests on the main circuit & auxiliary and control circuits (Dielectric test on the main circuit) (Dielectric test on auxiliary control circuit)
- c. Measurement of the resistance of the main circuit (Resistance measurement of main circuit)
- d. Mechanical operating tests (Institutional Operation Test)

P2, total 4 pages

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix



- e. Verification of correct wiring and electric operation test (include tests on auxiliary and control circuit/tests of auxiliary electrical, pneumatic and hydraulic devices)
 - f. Temperature-rise test
 - g. Lightning impulse voltage test
- CNS 3990 (1995)
CNS 3991 (1995)
IEC 62271-1 (2011)
IEC 62271-200 (2011)
CNS 15156-200 (2011)
CNS 15156-1 (2013)
3 ϕ , 24 kV Max., 4000 A Max., 60 Hz.

Approval Signatory: CHANG, Tan-Chung; CHEN, Po-Chuan

31. 12 Electrical power equipment

Low-Voltage metal-enclosed switchgear
E007

- a.Design and visual checks
 - b.Mechanical operating tests
 - c.electric operation test
 - d.Power-frequency Voltage tests
 - e.Temperature-rise tests
 - f.Insulation resistance tests
- CNS 13543
CNS 13542
CNS 3988(Only for Insulation resistance tests)
3 ϕ , 600 V Max., 6000 A Max., 60 Hz

Approval Signatory: CHANG, Tan-Chung; CHEN, Po-Chuan

31. 12 Electrical power equipment

Low-voltage switchgear and controlgear assemblies (Routine verification)

- E007
- a.Degree of protection of enclosures
(Except for Protection against mechanical impact test)
 - b.Clearances and creepage distances
 - c.Protection against electric shock and integrity of protective circuits
 - d.Incorporation of built-in components
 - e.Internal electrical circuits and connections
 - f.Terminals for external conductors
 - g.Mechanical operation
 - h.Dielectric properties (Only applies to Power-frequency withstand voltage test)
 - i.Wiring, operational performance and function
- IEC 61439-1 (2011)
IEC 61439-2 (2011)
CNS 15783-1
3 ϕ , AC 480 V Max., 6300 A Max., 60 Hz/50 Hz
IP4X Max.



Approval Signatory: CHANG, Tan-Chung; CHEN, Po-Chuan

31. 12 Electrical power equipment

Low-Voltage Motor control
centers

E007

a. Inspection & checking of details of the constructor

b. Power-frequency Voltage tests

c. electric operation test

d. Temperature-rise tests

e. Insulation resistance tests

CNS 3989

CNS 3988

3 ϕ , 600 V Max., 2000A Max., 60Hz

Approval Signatory: CHANG, Tan-Chung; CHEN, Po-Chuan

(Null below)

TAF

