

雙層式12KV以下SF6瓦斯及真空斷路器配電盤 UNDER 12KV DOUBLE-DECK SF6/VACUUM CIRCUIT BREAKER SWITCHGEAR

參層式3.6/7.2KV真空接觸器配電盤 3.6/7.2KV TRIPLE-DECK VACUUM CONTACTOR SWITCHGEAR



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Switchgear Unit, Engineering Div. of NAN YA PLASTICS CORPORATION

特點 *Features*

- ◆盤內配線採內藏式，高壓部份經特別絕緣處理，能確保人員操作及維修安全，安全等級可達IEC 60298或CNS 3990之MWG等級。
- ◆盤體結構為組合式，設計標準化，量產製作，精度高，利於未來擴充或改善，前處理徹底，不易生鏽，且塗裝烤漆十分美觀，耐用年限較長。
- ◆雙層式每盤可控制兩個高壓負載，結構精巧，佔空間較小，可節省許多建築成本。主開關器具配合負載特性，採用真空斷路器(VCB)或SF6瓦斯絕緣斷路器(GCB)控制，性能優越，且其主線路及控制線路均為可抽出保養，維修簡易，安全性高。
- ◆三層式每盤可控制三個高壓馬達負載，結構精巧，佔空間較小，可節省許多建築成本。主開關器具配合負載特性，採用南亞NY1真空接觸器控制，性能優越，且其主線路及控制線路均為可抽出保養，維修簡易，安全性高。
- ◆比流器(CT)選用二次側雙線圈比 (Two Core Type)分別供儀表與電驛使用，使不同動作特性之信號需要，均可得到滿意的要求。
- ◆採用具有記憶功能之保護電驛、有寬廣且微細的設定範圍與自我偵測功能，使系統設備的保護更確實。



- ◆The concealed wiring inside the control panel and special insulation treatment of high tension portion can guarantee the safety of operation and maintenance work and comply with IEC 60298 or CNS 3990 class MWG.
- ◆Assembled type of panel structure, standardized design, massive production and high precision will facilitate possible future extension or improvement. The painting work with perfect surface pretreatment presents elegant appearance and offers more durable working life.
- ◆Two high tension loads can be controlled by double-deck type control panel. The compact structure needs only smaller installation space and therefore can save more construction cost. The Vacuum Circuit Breaker (VCB) or SF6 gas insulated circuit breaker (GCB) shall be applied for system control according to specific load characteristics to provide highly qualified performance. The main wiring and control wiring are drawout type which simplify the maintenance and repair work and provide high safety.
- ◆Three high tension motors can be controlled by triple-deck type control panel. The compact structure needs only smaller installation space and therefore can save more construction cost. The Nan Ya NY1 Vacuum contactor switch (VCS) shall be applied for system control according to specific load characteristics to provide highly qualified performance. The main wiring and control wiring are drawout type which simplify the maintenance and repair work and provide high safety.
- ◆Since the Current Transformer (CT) with two-core type secondary coil is applied in instrument and relay circuit, the appropriate signals can be generated satisfyingly to meet different requirement of specific actuating characteristics.
- ◆Use protecting Relay with memory to offer wide and find setting range and selfdetecting function, that can furnish more reliable protection to system equipments.

二層式內裝之斷路器 *Circuit Breaker for double-deck switchgear*



南亞真空斷路器 VD4

Vacuum Circuit Breaker VD4 of NAN YA



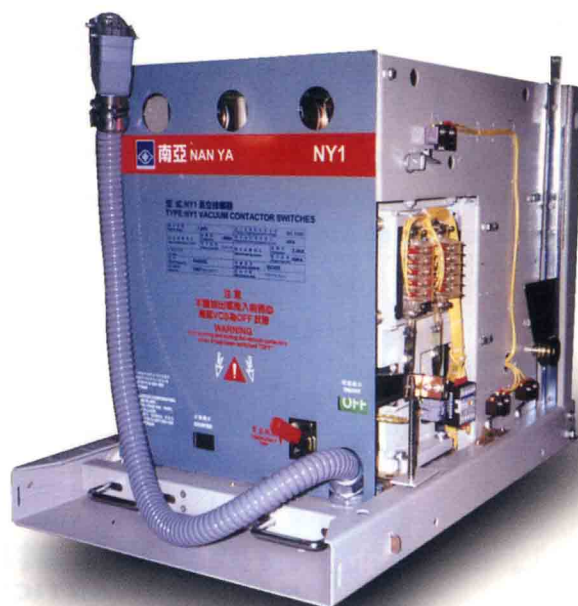
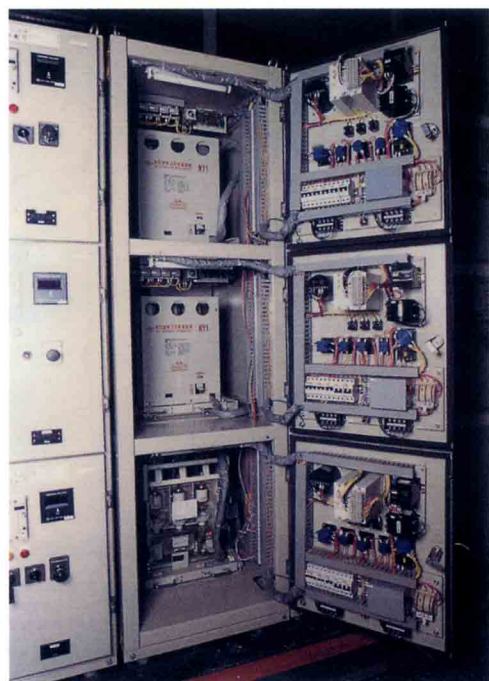
ABB SF6 瓦斯斷路器 HD4

SF6 Gas Circuit Breaker HD4 of ABB

* 註:可配合客戶需求安裝其他廠牌之斷路器

According to customer request can install different circuit breaker in switchgear

三層式內裝之斷路器 *Vacuum Contactor Switch for triple-deck switchgear*



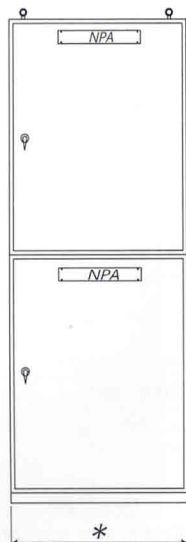
南亞真空接觸器 NY1

Vacuum Contactor Switch NY1 of NAN YA

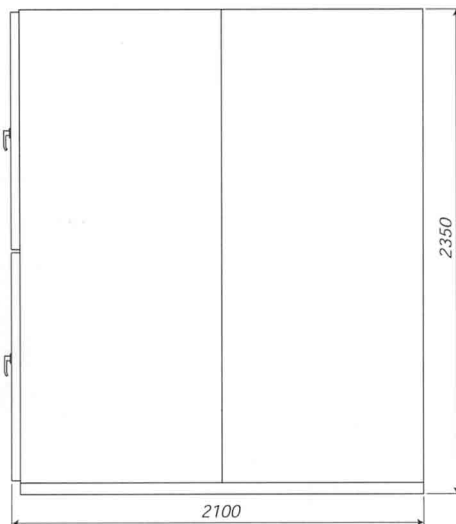
外型尺寸 *Appearance and Dimensions*

兩層式
Double-deck type

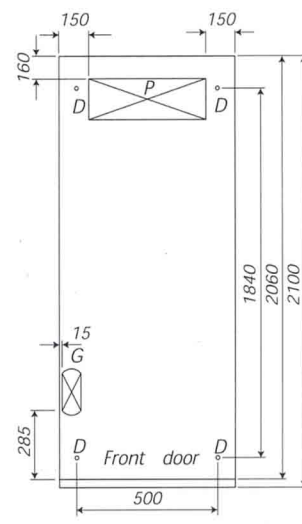
單位：mm
UNIT：mm



前視圖
Front view



側視圖
Side view



底視圖
Bottom view

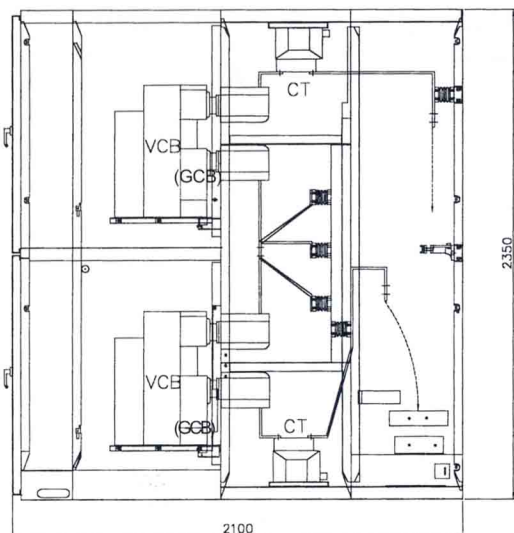
*GCB: 800(1250A含↓),
1000(1600A含↑)
VCB: 800(2000A含↓),
1000(2500A含↑)

說明：P=600 X 200 (GCB)
500 X 200 (VCB 2000A含↓)
700 X 200 (VCB 2500A含↑)
動力出線孔
Description: Power wire out-feed hole

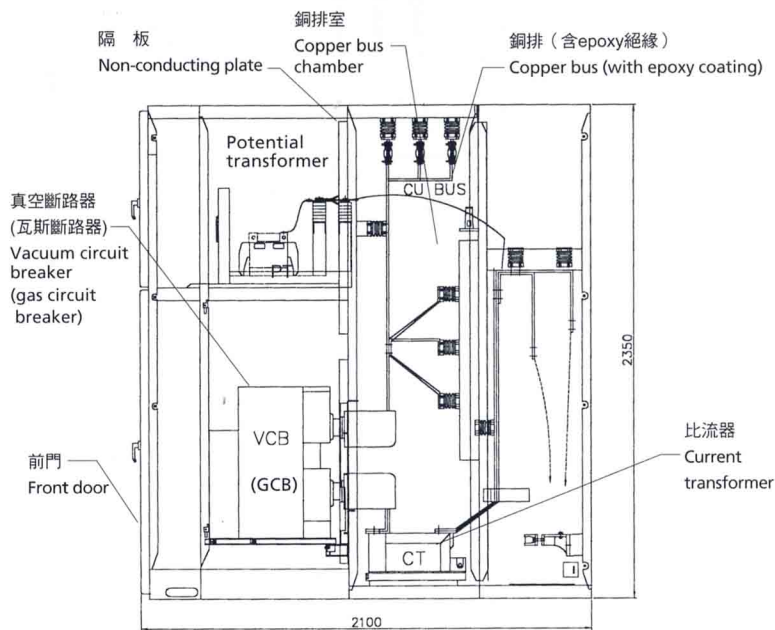
G=68X150 D=18mm
控制出線孔 基礎螺絲孔
Control wire out-feed hole Anchor bolt hole

內部主器具佈置 *Internal Layout of Major Device*

兩層式（饋線盤）
Double-deck type
(feeder panel)

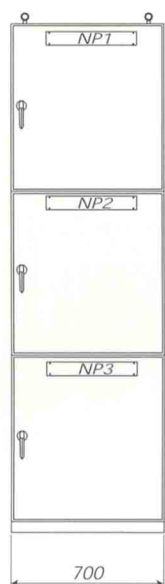


兩層式（主盤，輔助盤）
Double-deck type
(main panel, auxiliary panel)

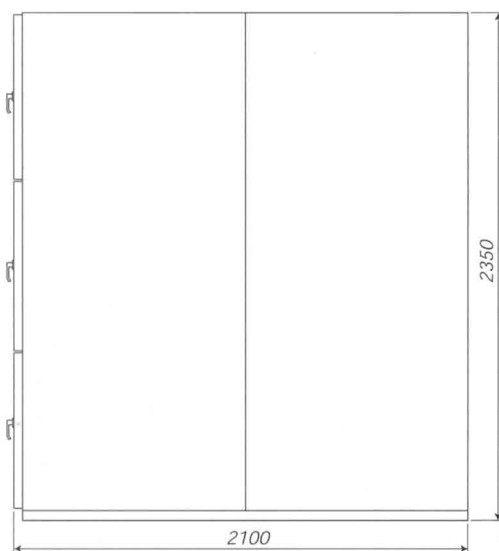


外型尺寸 *Appearance and Dimensions*

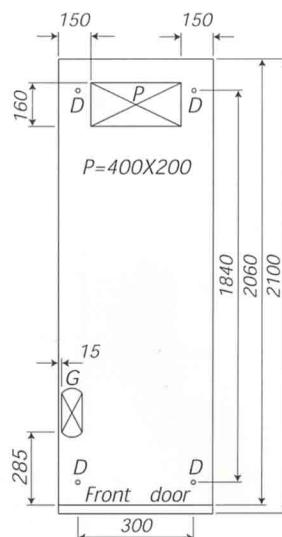
參層式
Triple-deck type



前視圖
Front view



側視圖
Side view



底視圖
Bottom view



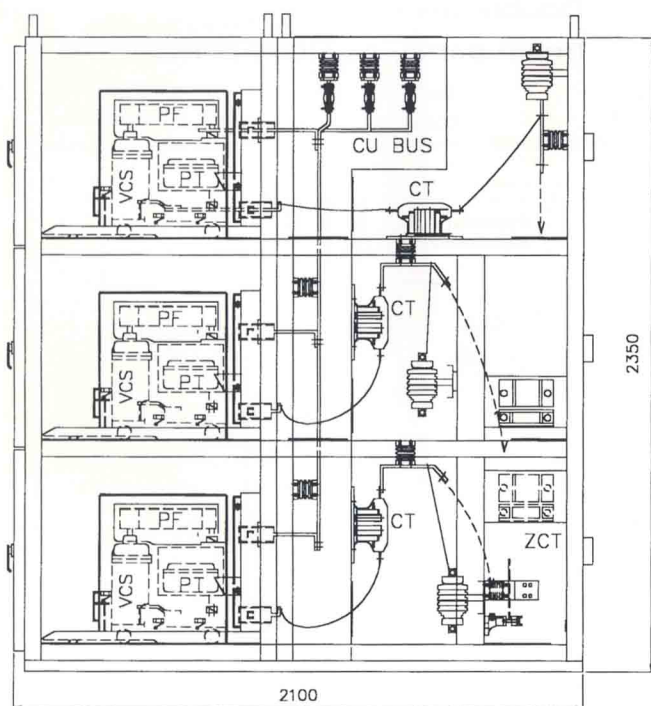
說明：P=400 X 200
動力出線孔
Description:
Power wire
out-feed hole

G=68X150
控制出線孔
Control wire
out-feed
hole

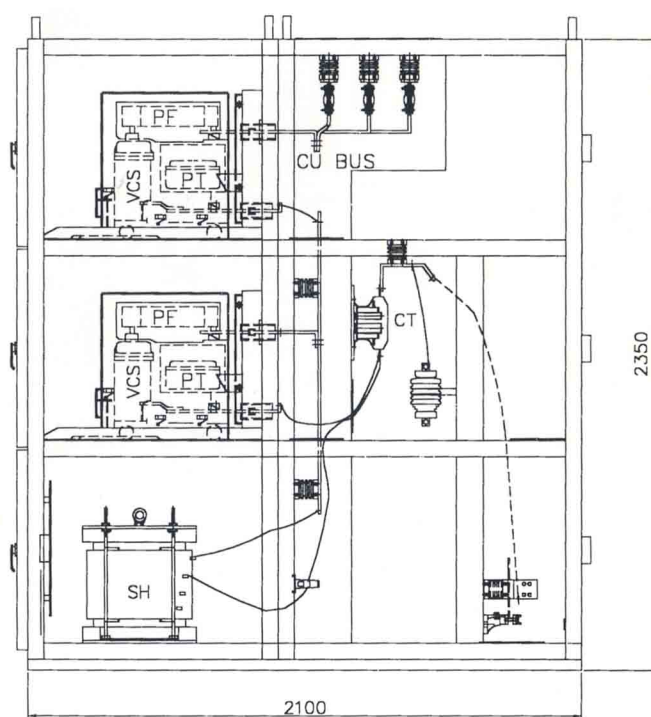
D=18mm
基礎螺絲孔
Anchor
bolt
hole

內部主器具佈置 *Internal Layout of Major Device*

參層式（直接啟動盤）
Triple-deck type
(direct starting panel)



參層式（電抗啟動盤）
Triple-deck type
(reactance starting panel)



產品規格 *Product Specification*

規格 Specification	兩層式 Double-deck type		三層式 Triple-deck type
依據法規 Standard	IEC60298, CNS3990		CNS3990
主 開 關 Main Breaker	GCB	VCB	VCS
額定電壓 Rated Voltage	12/7.2/3.6 KV		7.2/3.6 KV
頻 率 Frequency	50/60 Hz		50/60 Hz
額定電流 Rated Current	630/1250/1600A	630/1250/2000/ 2500/3150A	400A
遮斷容量 Breaking capacity	25KA	40KA	with 40KA FUSE
寬 度 Width (mm)	1250A 含 ↓ : 800 1600A 含 ↑ : 1000	2000A 含 ↓ : 800 2500A 含 ↑ : 1000	700
高 度 Height (mm)	2350	2350	2350
深 度 Depth (mm)	12 KV : 2400 7.2/3.6 KV : 2100		2100

由於標準及材料不斷上地提升，本文有修訂將不另行通知。

As standards, specifications and designs change from time to time, please ask for confirmation of the information give in this publication.



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