

VH2

24kV 630A...2000A up to 31.5kA
AIR INSULATED SWITCHGEAR

Safe | Reliable | Compact



The new age sustainable solution for Electrical Switching

TAMCO's VH2 Switchgear is based on decades of experience of catering to a wide variety of customer requirements. This experience enables TAMCO to offer versatile, safe and end user friendly products.

VH2 Air Insulated Switchgear has established a global reputation for reliability across applications over the decades. It incorporates eco-friendly vacuum technology and offers a number of advantages including superior arc fault containment, fail-safe and positive interlocks, compactness, greater versatility in application and minimal need for maintenance. It is built around innovation, technology, intelligence and flexibility. Combined with the highest quality, it satisfies all the latest international standards. With VH2, the power needs are met with enhanced safety, greater reliability, operating cost efficiencies, effective use of capital, and superior performance.

With a worldwide after sales and service network, Tamco ensures that the prompt support is provided by our experts at all time.

The switchgear specialist

www.tamco.com.my

TAMCO



Type-tested according to IEC62271-100,
IEC62271-200, IEC62271-102, IEC62271-1,
IEC60137 & IEC60529

Loss of Service Continuity : LSC2B
Partition Class : PM
Internal Arc Classification : IAC AFLR 25/31.5kA –1s
Ingress Protection Class : IP4X for cubicle

Electrical Characteristics

| | | | | |
|--------------------------------|---------|--------------|------|------|
| Rated Current | A | 800 | 1250 | 2000 |
| Rated Frequency | Hz | 50 / 60 | | |
| Rated Short Time Current | kA/3sec | 25 / 31.5 | | |
| Rated s.c. Making Current | kAp | 63 / 79 | | |
| Rated s.c. Sym. Breaking Cur. | kA | 25 / 31.5 | | |
| Rated Impulse Voltage (1.2/50) | kVp | 125 | | |
| Rated a.c. 1 min pf Voltage | kV rms | 50 | | |
| Internal arc for 1 sec | kA | 25 / 31.5 | | |
| Width | mm | 820 | | |
| Depth | mm | 2015 / 2360* | | |
| Height | mm | 2100* | | |

* Height and Depth may vary on different configurations.

DESIGN FOR SAFETY

TAMCO regards safety as the most important consideration for switchgear design and operation and the following proven safety features have been built into VH2.

- 31.5kA IAC for 1 sec
- For operational safety positive fail safe interlocks are incorporated for VCB, Earth Switch & VT operation
- Metallic independent movement shutter with padlock option
- Arc fault contained viewing window for viewing earth-switch main contacts prior to operation
- Optional motorised remote racking in and out facility for VCB trucks
- Comprehensive pad-locking facilities
- Mimic diagram and position indicators to guide operators

PRODUCT VARIANTS

- Incomer & Feeder Panel
- Bus Sectioniser
- Bus Riser
- Cassette or Floor Rolling VCB
- Bus VT & Line VT
- Swing-out or Trolley VT
- Metering Panels
- Cable entry from top & bottom

FEATURES

- Fully typed tested as per IEC62271-100/200
- Compact dimensions
- Generous air clearances for busbars
- Safe and fail-safe positive interlocks
- All operations behind closed door
- Fault make type earthing switch available
- Sliding door, easier locking
- Optional motorised rack-in and rack-out
- Fixed type, swing out type and draw-out type VT options
- Block type or ring type CT options available
- Generous cable termination height
- Gas duct or deflector type design available as option

CUSTOMER BENEFITS

- Safe operation behind closed door
- Space saving
- Ease of installation
- Breaker movement inside cubicle is independent of floor surface condition
- Extensible both sides
- Minimum operator training required
- Internal Arc Fault tested for 1 second up to 31.5kA



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