

# GV1N

12kV 630A...2000A 25kA

GAS INSULATED SWITCHGEAR



Minimal maintenance, compact & modular SF<sub>6</sub> insulated distribution switchgear

Modern technologies and processes demand safe, reliable and robust electrical switching products and solutions. TAMCO, offers the widest range of cutting-edge low voltage and medium voltage products and solutions for utilities, oil & gas, industries, infrastructure, non-conventional energy etc.

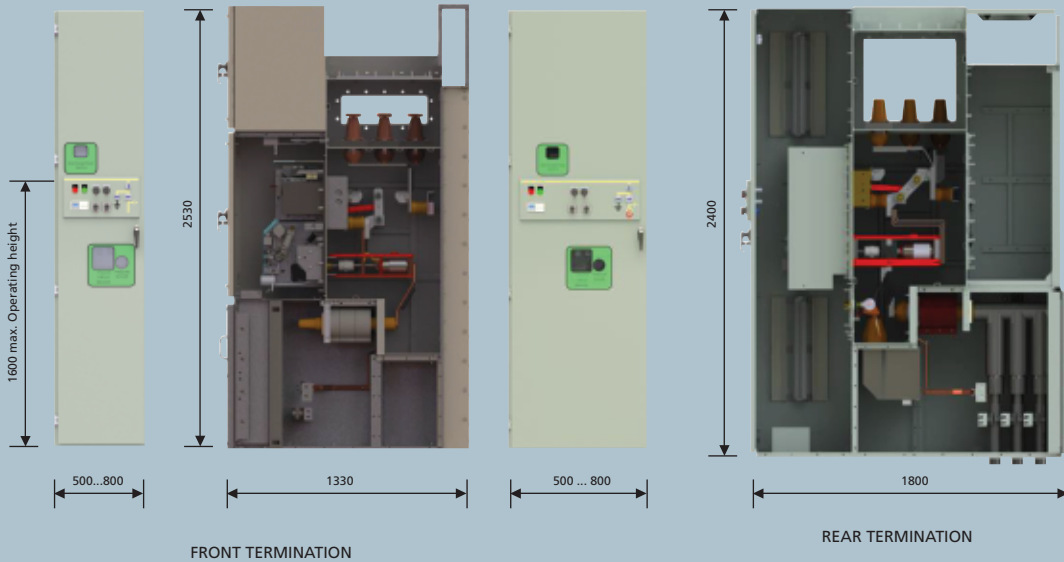
GV1N has been designed, keeping in mind the requirements of higher operational safety with minimal maintenance and sealed for life system. GV1N modular design provides a perfect platform for building reliable distribution network in compact space.

With a worldwide after sales and service network, TAMCO ensures that the experts nearest to customer region are available for customer support at all time.

The switchgear specialist

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**TAMCO**



**Type-tested according to IEC 62271-100, IEC 6227-200 & IEC 62271-102**

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

\* Height and Depth may vary on different configurations.

| GV1N : Technical Specification |         | 630/1250A  | 2000A |
|--------------------------------|---------|--|-------|
| Rated Voltage                  | kV      | 12 / 15  |       |
| Rated Frequency                | Hz      | 50 / 60  |       |
| Rated Short Time Current       | kA/3sec | 25   |       |
| Classification                 |         | E2, C2, M2   |       |
| Rated Impulse Voltage (1.2/50) | kVp     | 95   |       |
| Rated a.c. 1min pf Voltage     | kV rms  | 38   |       |
| Internal Arc                   | kA-1sec | 25 (AFLR LSC2B)                                    |       |
| Width                          | mm      | 500  | 800   |
| Depth*                         | mm      | 1330 (Front Termination)<br>1800 (RearTermination) |       |
| Height                         | mm      | 2530 (Front Termination)<br>2400 (RearTermination) |       |
| Ingress Protection Class       |         | IP4X / IP65 (Tank)                                 |       |

### DESIGN FOR SAFETY

TAMCO regards safety as the most important specification of switchgear design and operation and the following proven safety features have been built into type GV1N.

- No exposure to live parts
- Operational safety with fool-proof positive interlocks
- Comprehensive pad - locking facilities
- Mimic diagrams and position indicators to guide the operators
- Arc fault tested at 25kA for 1 sec

### PRODUCT VARIANTS

- Circuit breaker incomer and outgoing panel
- Bus section
- Bus Riser
- Metering panels
- Bus VT
- Line VT
- Surge arrester
- Cable termination from front/rear

### FEATURES

- Compact foot print with rigid structure
- VCB with SF<sub>6</sub> gas insulation Cable & Busbar are in air with touch proof connections
- No SF<sub>6</sub> handling at site
- Safe, positive and fool proof interlocks
- Cable door & VCB interlocked
- Pad-lockable VCB & 3-position motorised isolator
- Fully modular design with extension on both sides
- SF<sub>6</sub> content approx. 2.3 to 4Kg
- Optional top, rear cable entry available
- Option for busbar in SF<sub>6</sub> gas
- Seamless integration of busbar with TAMCO's 36kV type GV3N GIS switchgear

### CUSTOMER BENEFITS

- Suitable for highly polluted environment
- Safe operation behind close door
- Ease of installation sealed for life
- Peace of mind with almost zero maintenance
- Productivity maximisation
- No fire risk



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