

GR1-VI GR2-VI

Up to 24kV 21kA 630A

VI based T-type RMU

Safe | Reliable | Compact



The new age sustainable solution for Electrical Switching

Introducing GR1-VI & GR2-VI Ring Main Units (RMUs) incorporating latest vacuum interrupter technology. Tamco has been manufacturing and supplying RMUs since early 1970s using rotating arc technology. We are now proud to introduce our latest upgradation of vacuum circuit breaker in our proven SF₆ gas RMU design for higher short circuit performance. GR1-VI & GR2-VI RMUs are type-tested in accordance with IEC 62271-100, IEC 62271-200, IEC 62271-102 & IEC 62271-103 standards.

GR1-VI & GR2-VI has been designed for the requirements of higher operational safety with minimal maintenance and sealed for life system.

Tamco operates on a Quality System in line with ISO 9001 and ISO 14001.

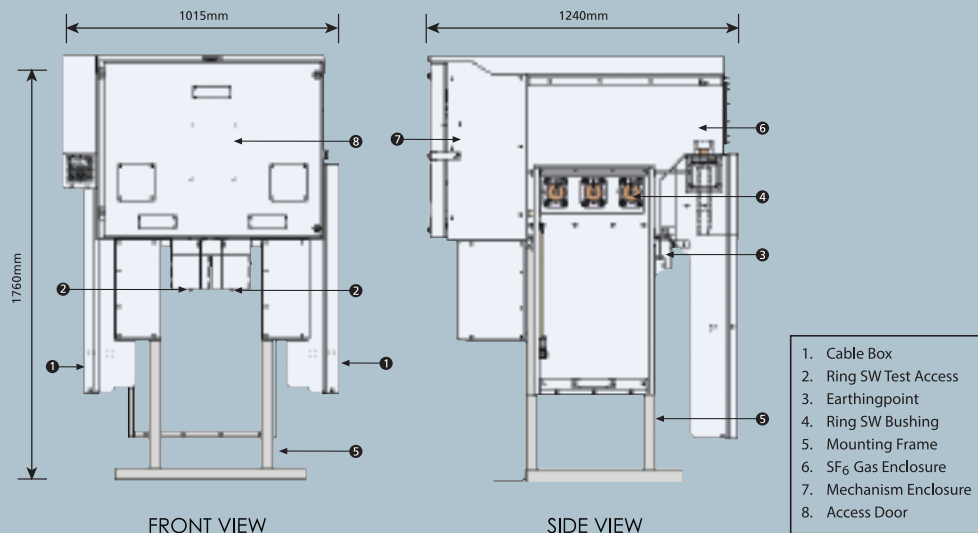
With a worldwide after sales and service network, Tamco ensures that the prompt support is provided by our experts at all time.



The switchgear specialist

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Type-tested according to IEC 62271-100, IEC 62271-200, IEC 62271-102 & IEC 62271-103

Internal Arc Classification : IAC AF, 21kA 1s / IAC AFLR 25kA 1s

Ingress : IP54
 Protection Class : IP65 (Tank)
 Cable Termination : Side / Rear
 Safety Interlocks : As per IEC/ENA
 Extension : Both Side

Electrical Characteristics

Rated Voltage	kV	12/24	17.5
Rated Current	A	630	630
Rated Frequency	Hz	50	60
Rated Short Time Current	kA/3 Sec	21	21
Rated Short Circuit Making Current	kAp	52.5	54.6
Rated Short Circuit Symmetric Breaking Current	kA	21	21
Rated Impulse Voltage (1.2/50)	kVp	75/125	95
Rated a.c 1 min pf Voltage	kV rms	28/50	38
Internal Arc Resistance	kA/1 Sec	21/25	
Width 3 way	mm	1015	
Width 4 way	mm	1660	
Depth	mm	1240*	
Height	mm	1760*	

* Height and depth may vary depending on the configuration.

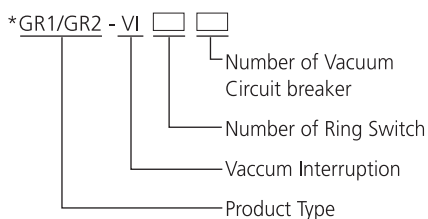
DESIGN FOR SAFETY

Tamco regards safety as the most important aspect of switchgear design and operation, and the following proven safety features have been built into type GR1-VI & GR2-VI.

- No exposure to live parts
- Positive interlocks to prohibit unintended operations
- Comprehensive padlocking facilities
- Mimic diagram and position indicators to guide the operator
- Arc fault tested
- Complete safety for operator

VARIANTS

The Type GR1-VI & GR2-VI range includes extensible and non extensible RMUs.



CONFIGURATIONS

GR1/GR2 -VI - 01	GR1/GR2 VI - 20
GR1/GR2 -VI - 10	GR1/GR2 VI - 12
GR1/GR2 -VI - 11	GR1/GR2 VI - 21
GR1/GR2 -VI - 02	GR1/GR2 VI - 22
GR1/GR2 -VI - 30	GR1/GR2 VI - 31

* GR1 - VI - 12/17.5kV
 GR2 - VI - 24kV

FEATURES

- SF₆ gas insulation with vacuum circuit breaker - No fire hazard
- Available for both Indoor and outdoor installation
- Minimal maintenance and sealed tank for life time
- Robotic welding of gas tank ensures leak free operation
- Robust construction
- Tee-off circuit breaker with integral protection system (self powered relay or time lag fuses)
- Ample bushing space for mounting current transformers .
- Fully extendable options
- Internal arc classified and fully type tested according to latest IEC standards
- Motorized spring charging options for VCB & LBS
- Power cable termination and cable test facilities
- Remote control and monitoring

CUSTOMER BENEFITS

- Ergonomic design for simple and quick operation
- Minimum footprints
- Optimum utilisation of space
- Lesser components in linkages
- Integral safety for peace of mind
- Easy installation and extension of RMUs
- Customer oriented after sales support
- Low cost cable termination
- TAMCO's vast experience of manufacturing and supplying of RMUs

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