

FEATURES

- Double busbar design.
- Compact dimensions.
- Minimum overall height.
- Reliable, error-free busbars.
- High air clearance for busbars.
- Solid insulated busbars.
- Safe and foolproof interlocks.
- Proven mechanical and electrical reliability.
- Sliding door with easy locking mechanism.
- Optional motorised rack-in and rack-out operation.
- Fault-make capacity earthing switch available.
- Fixed, swing, or draw-out type VT configurations.
- Block or ring type CT options.
- Readily extensible.

STANDARDS

Our VH1D switchgear are fully type tested, and designed and tested to IEC standards.

- IEC60056, IEC62271-100: High voltage circuit breakers (1kV-52kV).
- IEC60298, IEC62271-200: High voltage metal enclosed switchgear (1kV- 52kV).
- IEC60056, IEC62271-102: High voltage disconnectors & earthing switches.
- IEC60694, IEC62271-1: High voltage switchgear and controlgear - common specifications.
- IEC60137: Insulated bushing.
- IEC60529: Degree of protection.

The tests are performed at the independent test laboratories like KEMA, CESI ect.



DOUBLE-BUSBAR METAL-CLAD SWITCHGEAR

12kV up to 50kA

Tamco's VH1D Metal-clad Extensible Air Insulated Switchgear is a double-busbar extension of the trusted VH1H design, offering enhanced operational flexibility without compromising on space or reliability. Retaining nearly all the proven features of the VH1H, the VH1D adds a dedicated busbar compartment, allowing seamless selection between "Main" and "Reserve" busbars via a jackscrew mechanism on the circuit breaker truck.

VH1D PERFORMANCE DATA

Rated Voltage	kV	12
Rated VCB Current	A	800/1250/2000/3150
Rated Frequency	Hz	50
Rated Short Time Withstand Current	kA/3sec	25/31.5/40
Rated s.c Making Current	kAp	63/100
Rated s.c Sym. Breaking Current	kA	25/31.5/40
Rated Impulse Voltage (1.2/50)	kVp	75/95
Rated a.c 1min pf Voltage	kV rms	28/38
Internal Arc	kA/1sec	40
Width	mm	600/800/1000
Depth	mm	1808/2170
Height	mm	1926/2795
Loss of Service Continuity		LSC2B
Internal Arc Classification		AFLR
Partition Class		PM
Ingress Protection Class		IP4
Internal Partition Protection Class		IP4X