



TRUST. WELL EARNED.

V-MAG 25 25kV Single Phase Vacuum Switchgear for Railway Electrification

Our 25kV single phase vacuum switchgear is installed on many railway networks throughout the world for railway electrification.



Meeting the high fault levels and current ratings for international railway systems. Based on 1100mm wide modular units, the V-Mag 25 is arranged with a high voltage compartment enclosing busbars, vacuum circuit breaker and potential transformer together with a control aisle and annexe to accommodate supervisory control equipment, battery and auxiliary equipment.

Each circuit breaker comprises a single vacuum interrupter mounted on a post insulator, which also supports the operating mechanism.

The circuit breaker module is removable, complete with mechanism from its service location.



Key Features

- Weather-proof housing for protection of equipment from both weather and unauthorised access
- Self-contained room
- Robust construction
- Complete factory substation assembly
- Fully factory tested, resulting in minimum site commissioning and installation time
- Reinforced glass panels ensure it is possible to visually inspect components within the HV compartment without the need for personnel access into the compartment itself.
- V-Mag requires minimal maintenance due to a reduced number of moving mechanical parts
- Capable of Retrofitting into South Wales Switchgear & GEC housing

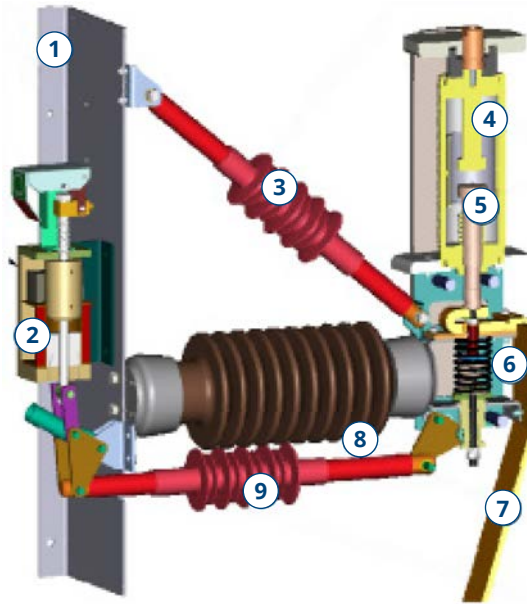


Ratings

		V-MAG 25
System Nominal Voltage	kV	25 Single Phase
Normal Current	A	1250
Symmetrical Short Circuit Current	kA	20
Power Frequency Test Voltage	kV	105
Impulse Withstand Voltage	kVp	250
Rated Short-Time Current	kA	3secs 20
Rated Frequency	Hz	50

Circuit Breaker Components

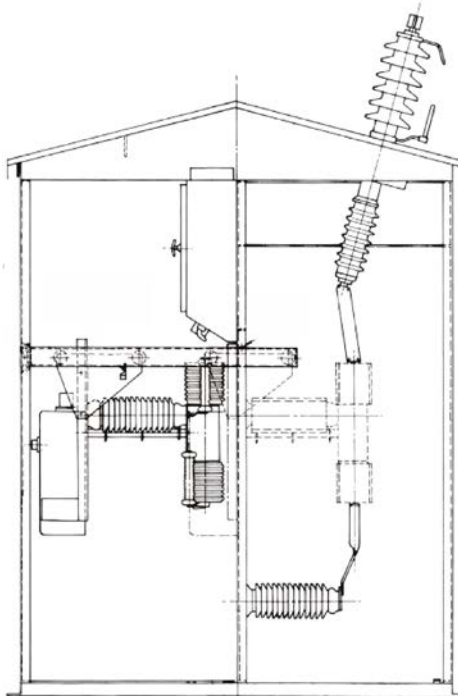
- ① Support Panel
- ② Magnetic Actuator
- ③ Strut
- ④ Vacuum Interrupter
- ⑤ Moving Contact
- ⑥ Spring Box
- ⑦ Lower Busbar
- ⑧ Insulator
- ⑨ Drive Linkage



Trackside Cabinets

The use of Trackside Cabinets ensures the Weather-proof housing protects the equipment from both weather and unauthorised access.

The switchgear site staff can be engaged to carryout this retrofit process on behalf of the customer, only very minor modifications are required to the existing track side cabinet and the retrofit process is complete.



BRUSH

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