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**

<table>
<thead>
<tr>
<th>V-MAG 25</th>
<th>System Nominal Voltage</th>
<th>Normal Current</th>
<th>Symmetrical Short Circuit Current</th>
<th>Power Frequency Test Voltage</th>
<th>Impulse Withstand Voltage</th>
<th>Rated Short-Time Current</th>
<th>Rated Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 Single Phase</td>
<td>kV</td>
<td>A</td>
<td>kA</td>
<td>kV</td>
<td>kVp</td>
<td>kA</td>
<td>Hz</td>
</tr>
<tr>
<td>1250</td>
<td>1250</td>
<td>20</td>
<td>105</td>
<td>250</td>
<td>20</td>
<td>3secs 20</td>
<td>50</td>
</tr>
</tbody>
</table>

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

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