



AL-AHLEIA SWITCHGEAR CO. K.S.C.C.
STATE OF KUWAIT

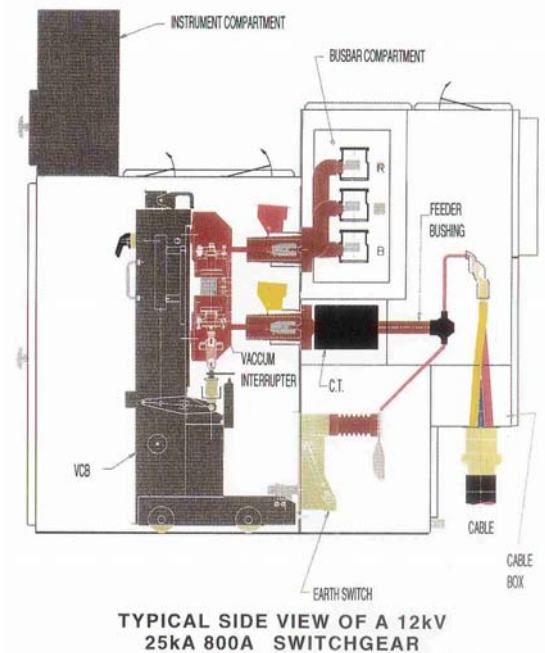
SINGLE BUSBAR AIR INSULATED SWITCHGEAR

Fully Type tested air insulated, extensible switchgear comprises of Horizontal Isolation and Horizontal Drawout Vacuum Circuit Breaker, CTs/PTs (as applicable), earth switch and cable box.

Internal Arc Fault Tested

TECHNICAL DATA

Type	: AH12
Voltage rating	: Up to 15kV
Frequency	: 50 Hz / 60 Hz
Normal circuit current	: Up to 3150A / 4000A with forced cooling
Normal busbar current	: Up to 4000A
Short circuit breaking current	: Up to 40kA
Short time rating-Main circuit	: Up to 40kA-3sec, 110kA peak
Earth Circuit	: Up to 40kA-3sec, 110kA peak
P.F. Withstand voltage	: Up to 38kV
Impulse withstand voltage	: Up to 95kV peak
Internal Arc Fault test	: Up to 40kA, Criteria 1 to 5 as per Annexure A of IEC 62271-200
Degree of Protection	: As required.
Applicable Standards	: IEC 62271-200 / IEC 62271-100 / IEC 62271-102



SALIENT FEATURES

- Loss of service continuity category : LSC2B (as per IEC 62271-200).
- Partition Class : PM (Metallic) (as per IEC 62271-200).
- Accessibility of compartment:
 - Busbar compartment : Tool based.
 - Cable compartment : Tool based.
 - Switching device : Interlock controlled.
- Fully interlocked VCB trolley & Earth switch.
- Pressure relief flap for individual HV compartment.
- Fully insulated / shrouded busbars & bus connections.
- Cable box suitable for heat shrinkable PILC/XLPE cable termination.

OVERALL DIMENSIONS

