



Authorized System House

Medium Voltage

SIEMENS

Manufacturer and Turnkey Electrical Implementers

Authorized sales and service franchise of SIEMENS LT ACB / HT VCB (UP TO 36kV – 40 kA) / RMU

#URL: www.pradippowertech.com



PPPLIVAC

Compact Metal-clad switchgear up to 12 kV

12 kV, 26.3 kA, up to 1600A WITH 3AH0
VACUUM CIRCUIT BREAKER

PPPLIVAC Air insulated Metal-clad Switchgear with Vacuum Circuit Breaker on withdrawable truck

Construction :

- 1 Single busbar air insulated metal-clad switchgear.
- 1 Circuit breaker mounted on withdrawable truck.
- 1 Simple and rugged shutter mechanism.
- 1 Encapsulated feeder connections.

Standards :

- 1 IS 3427 and IS 12729.
- 1 IEC 60298 and IEC 60694.

Personnel safety :

- 1 All switching operations performed with breaker compartment door closed.
- 1 Earthed metallic partitions and shutters prevent contact with live parts.
- 1 Individual high voltage compartment tested for Internal arc fault.

Tolerance to environment :

- 1 Full metallic enclosure ensures high resistance to ingress and interference under all operating conditions.

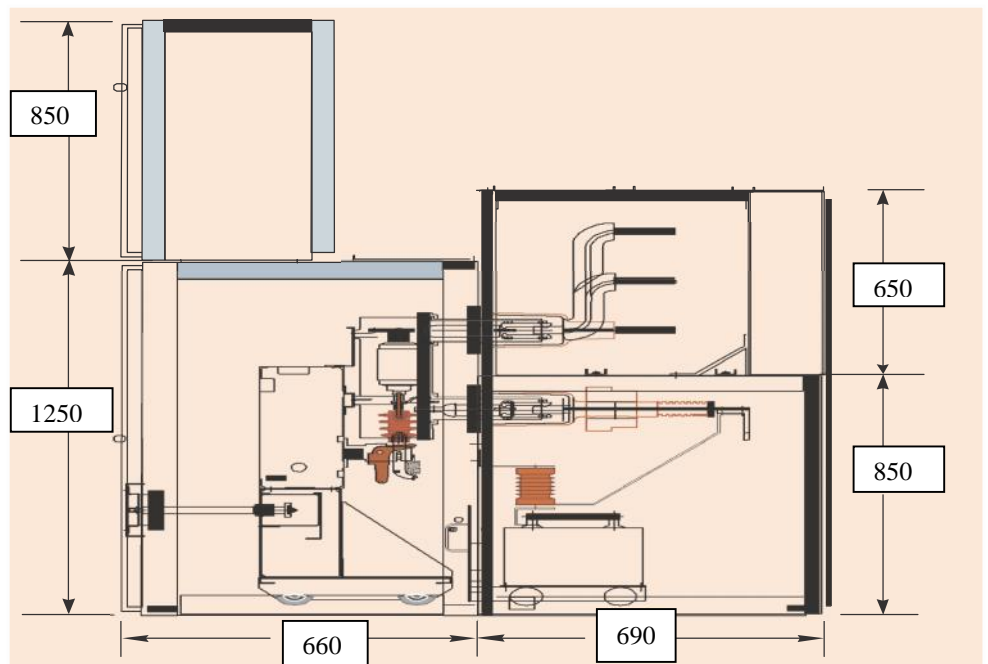
Salient features :

- 1 No separate maintenance trolley required.
- 1 Safe and easy truck movement behind closed cubicle door.
- 1 Separately padlockable shutter for bus and cable side fixed contacts.
- 1 Automatic dropping ramp for facilitating truck removal.

Optional :

- 1 Wound primary/Torroidal CTs.
- 1 Withdrawable/fixed type PTs in cable chamber.

Sectional side view



Technical Data

Rated voltage (frequency 50Hz)	12 kV
Rated current of feeders	1250 A
Rated current of the busbar	2000A**
Rated power frequency withstand voltage (rms) 60 sec.	28 kV
Rated lightning impulse withstand voltage (peak) 1.2/50 microsec.	75 kV
Rated short circuit Breaking current (rms)	26.3 kA
Rated short time current (rms) withstand (3 sec.)	26.3 kA
Rated short Circuit Making current (peak)	66 kA
Dimensions (Standard)	
Width (mm)	600
Height (mm)	2100*
Depth (mm)	1350

Maximum values indicated.

*LV chamber / panel height variable as per number of equipments to be mounted.

**Based on requirements

3AH0 Vacuum Circuit Breaker

The right choice for varied tasks

Construction :

- 1 Light weight and compact vacuum circuit breaker consisting of three encapsulated vacuum interrupter poles and a drive mechanism housing which forms a sturdy base for poles.
- 1 Operating mechanism is of stored energy type and suitable for auto reclosing duty. It can be manual/ electrical as desired.
- 1 Fully integrated contact arms with tulip type contacts.

Standards :

- 1 IS 13118.
- 1 IEC 62271-100.

Salient features :

- 1 Conforms to IS/IEC standards and is fully type tested.
- 1 Simple and compact design.
- 1 Totally restrike free.
- 1 Suitable for rapid autoreclosing duty.
- 1 Highly reliable operation.
- 1 Suitable for all environments.
- 1 High switching capability.
- 1 Matching drive and interrupter characteristics.
- 1 All type tests carried out with VCB mounted inside the panel.

Advantages of vacuum over other interrupting media :

- 1 Highest dielectric strength over a small contact gap.
- 1 Constant low contact resistance.
- 1 Fastest recovery strength.
- 1 Lowest arc energy dissipation.
- 1 Lowest drive energy requirements.
- 1 Minimum contact erosion.
- 1 No fire hazards or explosion risk.
- 1 VCB has least number of moving parts and hence highest reliability.

Freedom from maintenance :

- 1 Maintenance free with new generation imported vacuum interrupters.
- 1 The gear box is sealed and lubricated for life.
- 1 Free from chain snapping problem of conventional operating drive mechanism.

Environmental compatibility :

- 1 The vacuum circuit breaker has no effect on the environment during and after the switching operation



For more information, please contact:

PRADIP POWERTECH PVT LTD

Factory Address:

Block/S.R.No.176/186/187/A,
AJANTA INDUSTRIAL ESTATE,
NEAR ANANDNAGAR BUS STAND
VILLAGE- VASANA-IYAVA, TA: SANAND
Phone :(079) 26464705 / 26420904
Email: sales@pradippowertech.com

Follow on: [Facebook](#), [Twitter](#)

Office Address:

12, General Bank Chambers,
Opp Municipal Market, C.G.Road
Navrangpura , Ahmedabad, 380009
Phone:(079) 26464705 / 26420904
Mobile No.: (+91) 9925004554 / 9825222976
Email: dre_pec@yahoo.com
info@pradippowertech.com

Follow on: [Facebook](#), [Twitter](#)