



## **AIR INSULATED SWITCHGEAR**

Compact I Reliable I Safe





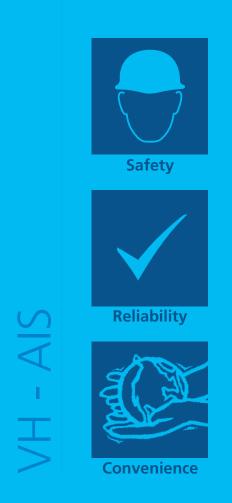




The development of Air Insulated Switchgear was driven by innovation and technology. AIS conforms to the latest international standards and local regulations. Optimum results are ensured – with enhanced safety, greater reliability, operating cost efficiencies, effective use of capital, and superior performance.

L&T Electrical & Automation (E&A) designs, manufactures and markets a wide range of low voltage and medium voltage electrical systems, control and automation systems, electrical products and metering and protection systems.

Our core strength in engineering and MV product development, bolstered by strong R&D enables us to deliver the most comprehensive, best-in-class electrical solutions to our diverse customer base.



Empowering you with our expertise, support, millions hours of experience acquired internationally.



### **VH - Air Insulated Switchgear**

VH-AIS is the result of decades of experience in offering environment-friendly vacuum technology for arcquenching in highly reliable and safe air insulation, with minimal maintenance, compact space solutions and ease of user management.

VH - AIS comprises metal-clad medium voltage switchgear assemblies from 3.3 to 36kV. We offer the most compact switchgear up to a fault level of 50kA, 3s for 12kV & 31.5kA, 3s for 36kV system.

VH - AIS is well designed to function satisfactorily even in the most adverse environmental conditions, owing to its robust construction and high performance.

Your indoor switching system is absolutely safe and protected with VH - AIS, for wide applications ranging from industries to infrastructure sectors. It adheres to the latest IEC standards.

IEC62271-100 High Voltage Circuit Breakers (1 kV - 52 kV)

IEC62271-200 High Voltage Metal Enclosed Switchgear (1 kV - 52 kV)

IEC62271-102 High Voltage Disconnectors & Earthing Switches

IEC62271-106 High Voltage Contactors (for Controllers & Motor Starters)





#### **Honored protector**

VH - AIS is a robust metal-clad switchgear, divided into four distinct compartments (busbar, circuit breaker, cable and low voltage equipment) segregated by earthed metal panels, to assure your protection against electric shock.





## Extreme independence of environment

VH - AIS gives you protection against access to hazardous parts and solid foreign bodies and is designed & engineered to perform satisfactorily in harsh and corrosive environment with dust and pollution.

### **Touch protective**

The earthed metallic, spring operated shutters ensure protection against accidental contact even when the breaker is isolated or withdrawn.

The independent operation and padlocking of the busbar & cable shutters enhances safety during maintenance.





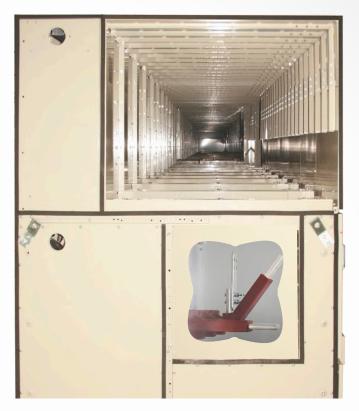
## Arc proof – Integral safety

The successful verification of internal arc classification, IAC A (F,L,R), for our switchgear ensures the highest possible degree of protection to operating personnel and switchgear vicinity.

How?

VH-AIS incorporates independent pressure relief flaps for each compartment and completely separated gas duct.

In the unlikely event of an internal arc fault, the gases are expelled at the top of the cubicle, as far from the operator as possible, for improved safety.



Our type-tested VH - AIS also accomplishes the provisions of internal Arc fault withstand stest as per IEC 62271-200 in all aspects.

Criterion	VH-AIS
Correctly secured doors and covers do not open	$\checkmark$
• No enclosure fragmentation during the test period	$\checkmark$
• No holes in accessible sides up to a height of 2m during an arc	$\checkmark$
• Indicators do not ignite due to hot gases caused by the arc	$\checkmark$
• Earth connections remain intact for the safety of operator	$\checkmark$





## A world of Safety interlocks

VH - AIS comprises a set of complete electrical interlocking in grouping with intelligent & strong mechanical interlocks to prevent any accidental erroneous operation, resulting in a safer environment for both plant and personnel.

For maximum safety, all operations are performed from the front with the door closed, with highly reliable foolproof interlocks:

- For rack-in of VCB or VCU, connection of the LV plug is mandatory.
- VCB or VCU can be racked-in and withdrawn only in OFF condition.
- VCB or VCU can be closed only in Test or Service position.

#### Earth Switch Interlock

- Earth switch can be closed only when VCB or VCU is in Test position.
- VCB or VCU can be racked in only when Earth switch is in open condition.

#### Earthing Truck Interlock

• The Bus / Cable circuit can be earthed with the earthing truck only when there is no voltage on Bus / Cable.

### **Customized Rear Door Interlock**

• Rear compartment door opens only when the VCB or VCU is in test position with earth switch closed.





The VH - AIS comes with a host of safety interlocks. Additional interlocking can be engineered to your requirements.

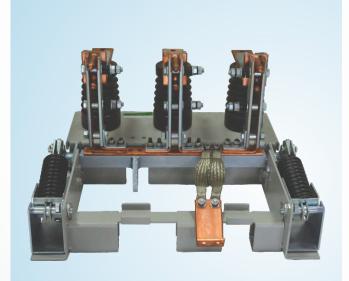


### **Trusted busbar zone**

Generous and optimum clearances for main busbars and connectors warrant unmatched safety for you.

Supports and insulation materials are flame resistant, track resistant and non-hygroscopic exhibiting outstanding electrical properties.





## **Earthing Switch**

Safeguarding of operating personnel is achieved by providing make-proof earthing switch for cable, as well as busbar compartments.

You have an option to select an integral earthing switch or a separate earthing truck.

The switch is tested to make and carry the rated short-circuit current for 3s.

## Safety First





## **Unmatched structural integrity**

Our cubicles are made of high-grade 'pickled & oiled' mild steel sheets, cut and folded on numerically controlled machines, making the enclosure sturdy and reliable.





### Surface protector

The 9-tank pre-treatment paint process along with powder coating with robotic paint applicator ensures that your cubicle has a long lasting, high-gloss finish and is optimally protected against corrosion and weathering.

### **Infinite cycles**

Our Vacuum Circuit Breakers require minimal maintenance and have a design life of 20 years or 10,000 mechanical operations.

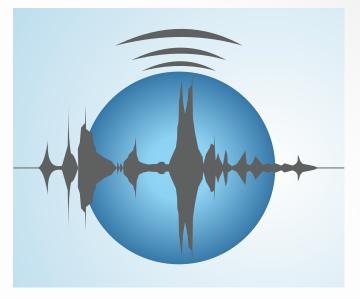
For motor switching applications, you can rely on our vacuum contactors with a capacity of up to 3 million mechanical operations.





### **Dynamic driver**

Our AIS systems are seismically qualified. They are enhanced for rigidity and tested for stable operation in earthquake prone areas up to Zone V as per latest codes & standards.





## A Global validation

VH - AIS is completely type-test-verified at reputed international third-party laboratories to assure you best-in-class products.

### **Factory specialist**

The performance of your assemblies is guaranteed by carrying out the following checks as our routine factory test plan:

- Electrical tests
- Visual Checks
- Measurement Checks
- Mechanical tests
- Physical tests





## **Smart addition**

Panel coupling at site is made simple and safe through easily accessible bus bar connections and links.



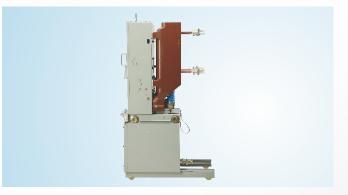


## More space. More capability.

The cable termination height is well above floor level, and generous space is provided for terminating power cables. This ensures a higher bending radius and reduces tension on the terminals.

## **Stay connected**

Our Vacuum Circuit Breakers and Contactor Units are truckmounted, the movement of which is interlocked with the door to make it very convenient for your operators.





## Ergonomic

VH-AIS comes with a single-handle for opening and closing the breaker door, eliminating fasteners. This makes the operation quick and easy.

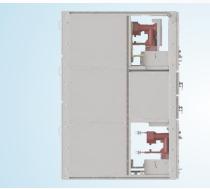
## Convenience

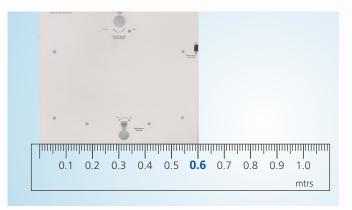


### Minimum Footprint. Optimum Utilisation.

VH - AIS can accommodate 2 VCBs / VCUs in a single vertical section, thereby saving space.

Also, Bus PT and Line PT can be offered in a two-tier arrangement.





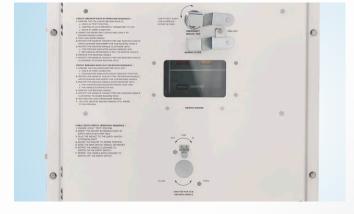
### Maximize your space

VH - AIS is characterized by a reduced width which offers savings on space and civil costs. Even with panels as slim as 600mm, it offers spacious compartments allowing easy access for installation and maintenance.

### **Visual appeal**

The detailed instructions about operations & interlocks are screen printed on the VCB compartment door for convenience.

Moreover, the front viewing window shows a clear visual display of circuit breaker position, ON/OFF condition, spring charged / discharged and earthing switch status.





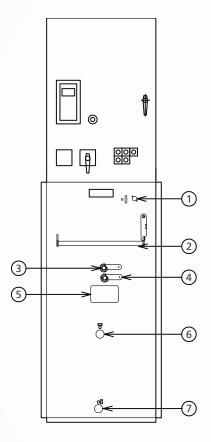
## **Customize your experience**

Round-the-clock project management executives and aftersales teams support your installation, commissioning and maintenance needs.



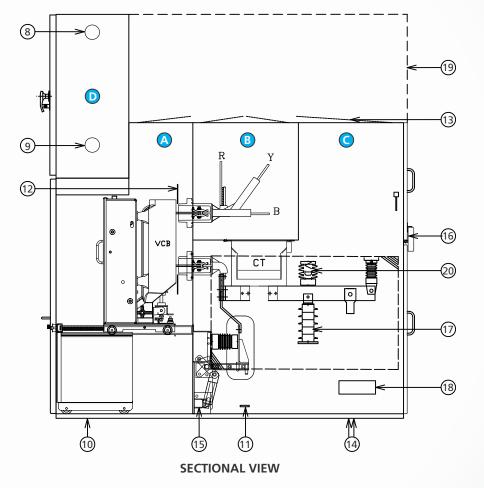
## **Typical VH - AIS Arrangement**

- A VCB / VCU Compartment
- B Busbar Compartment
- C Cable Compartment
- D Low Voltage Compartment



#### FRONT VIEW

- 01 Test / Service position Indicator
- 02 VCB door handle & padlocking
- 03 Manual trip
- 04 Manual close
- 05 Viewing window for VCB ON/OFF & Spring charging status indication
- 06 VCB Racking slot
- 07 Earth switch operating slot



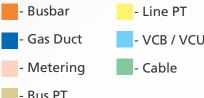
- 08 Routing communication wires
- 09 Routing Interpanel wires
- 10 Control cable entry
- 11 Earth bar
- 12 VCB safety shutters
- 13 Pressure relief flaps
- 14 Power cable entry

- 15 Earth switch
- 16 Rear Door Interlock
- 17 Surge Arrester
- 18 CBCT
- 19 Gas Duct
- 20 Voltage Detecting Insulator
- Customised



# - Gas Duct - VCB / VCU - Cable - Metering - Bus PT Buscoupler with Bus PT Incomer / outgoing Incomer / outgoing with bottom cable entry with top duct entry and Riser panel Two tier PT Panel Two tier VCU Panel Incomer with Line PT

## **Typical configurations**







#### 7.2 kV AIS with VCU

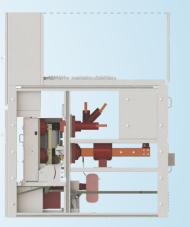
Panel Details	Standards	IEC 62271-200			
Fallel Details	Type Designation	VH1H			
	Voltage	up to 7.2 kV*			
Voltage ratings	Power Frequency Withstand Voltage	20 kVrms			
	Impulse Withstand Voltage	60 kVp			
	Frequency	50 / 60 Hz			
	Rated Current	200 - 400 A			
Current ratings	Short Time Withstand Current	up to 8 kA			
	Short Time Withstand Current (with Fuse)	25 / 40 / 50 kA			
Dimension	Width#	600 mm			
	Depth#	1570 / 1970 mm			
	Height#	2495 mm			
	Partition Class	PM			
	Loss of Service continuity	LSC-2B			
Construction	Degree of protection	IP4X (Higher IP on request)			
	Damage Classification	Туре С			
	Internal Arc Classification	A (F, L,R), 40kA, up to 1s			
	IEC Standard	IEC 62271-106			
	VCU Туре	Non Latched		Lato	hed
	Type Designation	VCU7N200	VCU7N400	VCU7L200	VCU7L400
	Opening time	< 35 ms			
VCU	Mechanical Endurance	up to 3 Million up to 0.3 Million			3 Million
	Electrical Endurance	up to 0.3 Million (AC-3)			
	Rated Duties (40% on Load Factor)	Class 300			
	Closing /Tripping Coil	110 / 220 V DC			
	Auxiliary Contacts	3NO+3NC			

# 2 Tier Panel width & depth starts from 800mm & 1970mm respectively \* 12 kV VCU offered on request



## Technical Specifications





## 12 kV AIS with VCB

Panel Details     Voltage       Type Designation     VHTH       Voltage     UP to 12 kV       Power frequency Withstand Voltage     ZE /38* kVms       Impulse Withstand Voltage     ZE /38* kVms       Impulse Withstand Voltage     ZE /38* kVms       Rated Current     G0 / 60 Hz       Short Time Withstand Current (3s)     ZE / 26.3 kA       Short Time Withstand Current (3s)     Construction Making current       Width#     G00 mm     800 mm     100 / 125 kAp       Dimension     Depth #     S0 / 100 / 50 KA       Partition Class     PM       Loss of Service continuity     LSC / 26.25 / 26.75 kAp       Dimension     Degree of protection     Rated Current     600 mm     800 mm     1000 mm       Dimension     Depth #     Sont Circuit Making current     B00 mm     100 mm       Loss of Service continuity     LSC / 26.75 kAp       Loss of Service continuity     LSC / 26.25 / 26.25 / 26.25 / 26.25 / 26						
Voltage     up to 12 kV       Power Frequency Withstand Voltage     28/38* kVms       Impulse Withstand Voltage     75 / 95* kVp       Frequency     50 / 60 Hz       Rated Current     630 / 800 Å     1250 Å     2000 Å     3150 / 4000* Å       Short Time Withstand Current (3s)     25 / 26.3 kA         Bort Time Withstand Current (3s)     62.5 / 65.75 kAp         Width#     600 mm     800 mm     1000 mm       Dimension     Depth #     1570 / 1970 / 2170 / 2270 mm        Height     2495 mm     1000 mm     000 mm       Construction     Degree of protection     IPAT (Higher IP on request)        Internal Arc Classification     A (F, L, R), up to 40 / 50kA, up to 1s        IEC Standard     IEC 62271-100         Type Designation     VK series         Operating Sequence     0-0-3sec-CO-3min-CO         Operating Sequence     0-0-3sec-CO-3min-CO         Operating Sequence     0-0-3sec-CO-3min-CO <t< td=""><td>Panel Details</td><th>Standards</th><td colspan="3">IEC 62271-200</td></t<>	Panel Details	Standards	IEC 62271-200			
Power Frequency Withstand Voltage     28/38* kVrms       Impulse Withstand Voltage     75 / 95* kVp       Frequency     50 / 60 Hz       Rated Current     630 / 800 A     1250 A     200 A     3150 / 4000^A A       25 / 26.3 kA     25 / 26.3 kA     25 / 26.3 kA     200 A     3150 / 4000^A A       Short Time Withstand Current (3s)     40 / 50 kA     25 / 26.3 kA     200 A     3150 / 4000^A A       Bine Circuit Making current     62.5 / 65.75 kAp     500 / 122 kA     1000 mm     1000 mm       Dimension     Depth #     600 mm     800 mm     1000 mm     1000 mm       Dimension     Depth #     1570 / 1970 / 2170 / 2270 mm     1000 mm     1000 mm     1000 mm     1000 mm       Dimension     Depth #     1570 / 1970 / 2170 / 2270 mm     1000 mm     1000 mm     1000 mm     1000 mm       Loss of Service continuity     LSC / 28 mm     1000 mm		Type Designation	VH1H			
Voltage ratingsImpulse Withstand Voltage $75 / 95^{\circ} kVp$ Frequency $50 / 50 Hz$ Rated Current630 / 800 A1250 A2000 A3150 / 4000^A A25 / 26.3 kADimension62.5 / 65.75 kApMidth#600 mm800 mm1000 mmDimensionDepth #DimensionDepth #1570 / 1970 / 2170 / 2270 mmHeight24/55 mmConstructionIEC StandardC228DimensionIEC StandardDimensionDimensionDimensionDepth #DimensionDepth #DimensionDepth #DimensionDepth #DimensionDepth #DimensionDepth #DimensionDepth #Disc of Service continuityList colspan="2">C228DimensionDimensionDepth #Disc of Service continuityList colspan="2">C228Degree of protectionIEC StandardCEC SatificationA (f. L, R), up to 40 / 50kA, up to 1sDimensionOperating Sequence		Voltage	up to12 kV			
Impulse Withstand Voltage $75 / 95^{\circ}$ kVpFrequency $50 / 60 $ Hz $200 $ A $3150 / 4000^{\circ}$ ARated Current $630 / 800$ A $1250$ A $200 $ A $3150 / 4000^{\circ}$ ABart Time Withstand Current (3s) $25 / 26.3$ kJ $200 $ A $3150 / 4000^{\circ}$ ABort Time Withstand Current (3s) $25 / 26.3$ kJ $200 $ A $3150 / 4000^{\circ}$ ABort Circuit Making current $62.5 / 65.75$ kA $100 $ mm $1000$ mmDimensionDepth # $600$ mm $800$ mm $1000$ mmBepth # $1570 / 1970 / 2170 / 227 $ mm $1000$ mmHeight $2495$ mm $1000$ mmDimensionDepth # $1570 / 1970 / 2170 / 227 $ mmBepth # $1570 / 1970 / 2170 / 227 $ mmHeight $2495$ mmInternal Arc Classification $A (F, LR), up to 40 / 50kA, up to 15Internal Arc ClassificationA (F, LR), up to 40 / 50kA, up to 15IEC StandardIEC Sizz21 - 100Type DesignationVK = riesOperating Sequence0.0.3 \times -CO-3mir.CUOperating Sequence-33 ryclesMechanical Operations-3 ryclesMechanical Operations-3 ryclesOperating Sequence-3 ryclesOperating Cail24 / 48 / 110 / 22 U V D C I 111 / 240 V AC$	Voltage ratings	Power Frequency Withstand Voltage	28 /38* kVrms			
Rated Current     630 / 800 A     1250 A     2000 A     3150 / 4000^A A       Short Time Withstand Current (3s)     25 / 26.3 kA     40 / 50 kA     62.5 / 65.75 kAp     62.5 / 65.75 kAp     62.5 / 65.75 kAp     100 mm     800 mm     1000	voltage ratiligs	Impulse Withstand Voltage	75 / 95* kVp			
Current ratings     Short Time Withstand Current (3s)     25 / 26.3 kA     40 / 50 kA       Boot Circuit Making current     62.5 / 65.75 kAp     62.5 / 65.75 kAp       Midth#     600 mm     800 mm     1000 mm       Dimension     Depth #     1570 / 1970 / 2170 / 2270 mm     1000 mm       Height     2495 mm     1000 mm     1000 mm       Construction     Degree of protection     IP4X (Higher IP on request)       Internal Arc Classification     A (F, L, R), up to 40 / 50kA, up to 1s       IEC Standard     IEC 62271-100       Type Designation     VK series       Opening time     <3 cycles		Frequency	50 / 60 Hz			
Current ratingsShort Time Withstand Current (3s) $40 / 50 \text{ kA}$ Bort Circuit Making current $62.5 / 65.75 \text{ kA}$ Bort Circuit Making current $62.5 / 65.75 \text{ kA}$ DimensionWidth#Depth # $600 \text{ mm}$ $800 \text{ mm}$ $1000 \text{ mm}$ Depth # $1000 \text{ mm}$ Height $2495 \text{ mm}$ ConstructionDegree of protectionIPARTITION ClassDegree of protectionIPARTING ClassDegree of protectionIPARTING ClassIEC StandardIEC StandardIEC StandardIEC StandardIEC StandardIEC StandardOpening time $< 35 \text{ ms}$ Opening time $< 35 \text{ ms}$ Opening time $< 35 \text{ ms}$ VCBRet time $< 32 \text{ cycles} $		Rated Current	630 / 800 A	1250 A	2000 A	3150 / 4000^ A
Current ratingsImage: construction of the second of the secon			25 / 26.3 kA			
Short Circuit Making current     100 / 125 kAp       Image: Dimension     Width#     600 mm     800 mm     1000 mm       Depth #     1570 / 1970 / 2170 / 2270 mm     1570 / 1970 / 2170 / 2270 mm     1570 / 1970 / 2170 / 2270 mm       Height     2495 mm     1000 mm     2495 mm       Construction     Partition Class     PM       Loss of Service continuity     LSC-28     1570 / 1970 / 170 / 1270 mm       Degree of protection     IP4X (Higher IP on request)     Internal Arc Classification     A (F, L, R), up to 40 / 50kA, up to 1s       IEC Standard     IEC 62271 · 100     VK series     Operating Sequence     0-0.3sec-CO-3min-CO       Opening time     <35 ms	Current ratings	Short Time Withstand Current (35)	40 / 50 kA			
Image: Construction			62.5	5 / 65.75 kAp		
DimensionDepth #1570 / 1970 / 2170 / 2270 mmHeight1570 / 1970 / 2170 / 2270 mmHeight2495 mmPartition ClassPMLoss of Service continuityLSC-2BDegree of protectionIP4X (Higher IP on request)Internal Arc ClassificationA (F, L,R), up to 40 / 50kA, up to 1sIEC StandardIEC 62271-100Type DesignationVK seriesOperating Sequence0-0.3sec-CO-3min-COOpening time< 35 ms		Short Circuit Making current	100 / 125 kAp			
Height2495 mmPartition ClassPortition ClassLoss of Service continuityLoss of Service continuityDegree of protectionInternal Arc ClassificationA (F, L, R), up to 40 / 50kA, up to 1sIEC StandardIEC StandardType DesignationVCBBreak timeOpening time< 35 ms		Width#	600 mm		800 mm	1000 mm
Partition ClassPMLoss of Service continuityLSC-2BDegree of protectionIP4X (Higher IP on request)Internal Arc ClassificationA (F, L,R), up to 40 / 50kA, up to 1sIEC StandardIEC 62271-100Type DesignationVK seriesOperating SequenceO-0.3sec-CO-3min-COOpening time<35 ms	Dimension	Depth #	1570 / 1970 / 2170 / 2270 mm			mm
Construction     Loss of Service continuity     LSC-2B       Degree of protection     IP4X (Higher IP on request)       Internal Arc Classification     A (F, L, R), up to 40 / 50kA, up to 1s       IEC Standard     IEC 62271-100       Type Designation     VK series       Operating Sequence     0-0.3sec-CO-3min-CO       Opening time     < 35 ms		Height	2495 mm			
ConstructionDegree of protectionIP4X (Higher IP on request)Internal Arc ClassificationA (F, L, R), up to 40 / 50kA, up to 1sIEC StandardIEC 62271-100Type DesignationVK seriesOperating SequenceO-0.3sec-CO-3min-COOpening time< 35 ms		Partition Class	PM			
Degree of protectionIP4X (Higher IP on request)Internal Arc ClassificationA (F, L,R), up to 40 / 50kA, up to 1sIEC StandardIEC 62271-100Type DesignationVK seriesOperating SequenceO-0.3sec-CO-3min-COOpening time<35 ms		Loss of Service continuity	LSC-2B			
VCB   IEC Standard   IEC 62271-100     VCB   Type Designation   VK series     Operating Sequence   O-0.3sec-CO-3min-CO     Opening time   < 35 ms	Construction	Degree of protection	IP4X (Higher IP on request)			est)
VCB   Type Designation   VK series     Operating Sequence   O-0.3sec-CO-3min-CO     Opening time   < 35 ms		Internal Arc Classification	A (F, L,R), up to 40 / 50kA , up to 1s			up to 1s
VCB   Operating Sequence   0-0.3sec-C0-3min-C0     Opening time   < 35 ms		IEC Standard	IEC 62271-100			
VCB   Opening time   < 35 ms		Type Designation	VK series			
VCB   Break time   < 3 cycles     Mechanical Operations   10,000     Closing /Tripping Coil   24 / 48 / 110 / 220 V DC     Spring charging motor   24 / 48 / 110 / 220 V DC   110 / 240 V AC		Operating Sequence	O-0.3sec-CO-3min-CO			
Mechanical Operations 10,000   Closing /Tripping Coil 24 / 48 / 110 / 220 V DC   Spring charging motor 24 / 48 / 110 / 220 V DC I 110 / 240 V AC		Opening time	< 35 ms			
Closing /Tripping Coil     24 / 48 / 110 / 220 V DC       Spring charging motor     24 / 48 / 110 / 220 V DC I 110 / 240 V AC	VCB	Break time	< 3 cycles			
Spring charging motor     24 / 48 / 110 / 220 V DC I 110 / 240 V AC		Mechanical Operations	10,000			
		Closing /Tripping Coil	24 / 48 / 110 / 220 V DC			
		Spring charging motor	24 / 48 / 110 / 220 V DC   110 / 240 V AC			
Auxiliary Contacts 6NO+6NC / 12NO+12NC*		Auxiliary Contacts	6NO+6NC / 12NO+12NC*			

\* offered on request ^ with forced ventilation # 50kA Panel width & depth starts from 800mm & 1970mm respectively





#### 36 kV AIS with VCB

Panel Details	Standards	IEC 62271-200		
Tallel Details	Type Designation	VH3		
	Voltage	36 kV		
	Power Frequency Withstand Voltage	70 kVrms		
Voltage ratings	Impulse Withstand Voltage	170 kVp		
	Frequency	50 / 60 Hz		
	Rated Current	800 A	1250 A	2000 / 2500* A
Current ratings	Short Time Withstand Current (3s)	25 / 31.5 kA		
	Short Circuit Making current	63 / 79 kAp		
Dimension	Width	1000 mm		
	Depth**	2650 / 2950 mm		
	Height***	2500 mm		
	Partition Class	PM		
	Loss of Service continuity	LSC-2B		
Construction	Degree of protection	IP4X (Higher IP on request)		
	Internal Arc Classification	A (F, L,R), 31.5kA , 1s		
	IEC Standard	IEC 62271-100		
	Type Designation	VY series		
	Operating Sequence	0-0.3sec-CO-3min-CO		
	Opening time	< 35 ms		
VCB	Break time	< 3 cycles		
	Mechanical Operations	10,000		
	Closing /Tripping Coil	24 / 48 / 110 / 220 V DC		
	Spring charging motor	24 / 48 / 110 / 220 V DC   110 / 240 V AC		
	Auxiliary Contacts	6NO+6NC		

\* Offered on request.

\*\* Depth may vary with cable size & number of Current Transformer.
\*\*\* Height is without gas duct and may change (increase/decrease) depending on LV Components / Relays.

## **The Perfect Match for your VH - AIS**

VH - AIS offers the widest range of electrical solutions up to 36kV. Our In-house design and testing facilities enable us to create customized solutions with type tested switchboard combining VCBs and VCUs in perfectly matched configuration as per your requirements. We ensure that you achieve the highest level of cost & design optimisation with our VH - AIS.

### Vacuum Circuit Breaker

- VCB Class E2 | C2 | M2
- Customized 2 trip coils configuration
- Common design & safety interlocks up to 36kV
- Rated current capacity up to 4000A
- Short circuit breaking capacity up to 50kA
- Built in anti-pumping feature
- User-friendly truck mounted design
- Single operating handle for VCB door





#### **Vacuum Contactor Unit**

- Fused Short circuit protection up to 50kA
- Available in latched & non latched configurations
- Encapsulated current carrying parts for higher safety
- Truck mounted design similar to VCBs
- Suitable for motor starters with numerous switching operations
- Two VCUs can be accommodated in single panel for optimum space utilisation
- VCU panels can be coupled with VCB panels owing to similar dimensions

#### Sales Offices - India

#### Bengaluru

Wework Central, # 36 Infantry road, Bangalore 560001.

#### Chennai

Olympia Technology Park 10th Floor, CITIUS A Block, Plot No.1, Phase 1, Guindy, Chennai - 600032, Tamil Nadu.

#### Hyderabad

Schneider Electric India Pvt. Ltd. Prestige Phoenix, 4th Floor, Near Begumpet Metro Station, Pillar no. 1408, Uma Nagar, Begumpet, Hyderabad-500016, Telangana State, INDIA

#### Kolkata

Electrical Systems & Equipment L&T Electrical and Automation A Unit of Schneider Electric India Pvt Limited 2nd Floor, BN3, Salt Lake, Sector V, Kolkata 700091.

#### Mumbai

Schneider Electric India Private Limited. L&T Electrical & Automation, 7TH Floor, TC-2, Tower B, Prima Bay Gate no.5, Saki-Vihar Road, Powai, Mumbai-400072, India.

#### New Delhi

A-25, Imperia, First Floor, Mohan Co-operative Industrial Estate, Mathura Road, Near Sarita Vihar Metro Station New Delhi - 110044

#### Vadodara

Notus IT park, 11th Floor, Block D, Bhailal Amin Marg, Sarabhai Campus, Vadodara.

#### **Sales Offices - International**

#### India

Schneider Electric India Private Limited. L&T Electrical & Automation, 7TH Floor, TC-2, Tower B, Prima Bay Gate no.5, Saki-Vihar Road, Powai, Mumbai-400072, India.

#### Kuwait

Kana Controls General Trading & Contracting Co. W.L.L P.O Box: 25593 Safat, 13116 Kuwait Tel: +965-2474 1373 Faxs: +965-2474 1537 Email: ese-kwt@Lntebg.com

#### Oman

P.O.Box 598, Ruwi, Postal Code-112 Sultanate of Oman Tel:+968 98034317 Mob:+968 98034317 EMail: ese-oman@Lntebg.com

#### Qatar

2 & 3rd Floor, Building No. 209 Zone 42, Street 230 Najma Intersection, Opp: Doha Cinema C-Ring Road,P.O Box No- 24399 Doha, Qatar Tel: +974-44-239 000 Fax: +974-44-551 286 Email: ese-qatar@Lntebg.com

#### UAE

2203, 22nd Floor Green Emirates Tower - A Electra Street, P.O. Box 52514 Abu Dhabi, UAE Tel. : +971-2-676 5988 Fax. : +971-2-676 6399 Email: ese-uae@Lntebg.com



L&T Electrical & Automation, Electrical Systems & Equipment - Head Office Schneider Electric India Private Limited. L&T Electrical & Automation, 7TH Floor, TC-2, Tower B, Prima Bay Gate No.5, Saki-Vihar Road, Powai, Mumbai-400072, India.

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