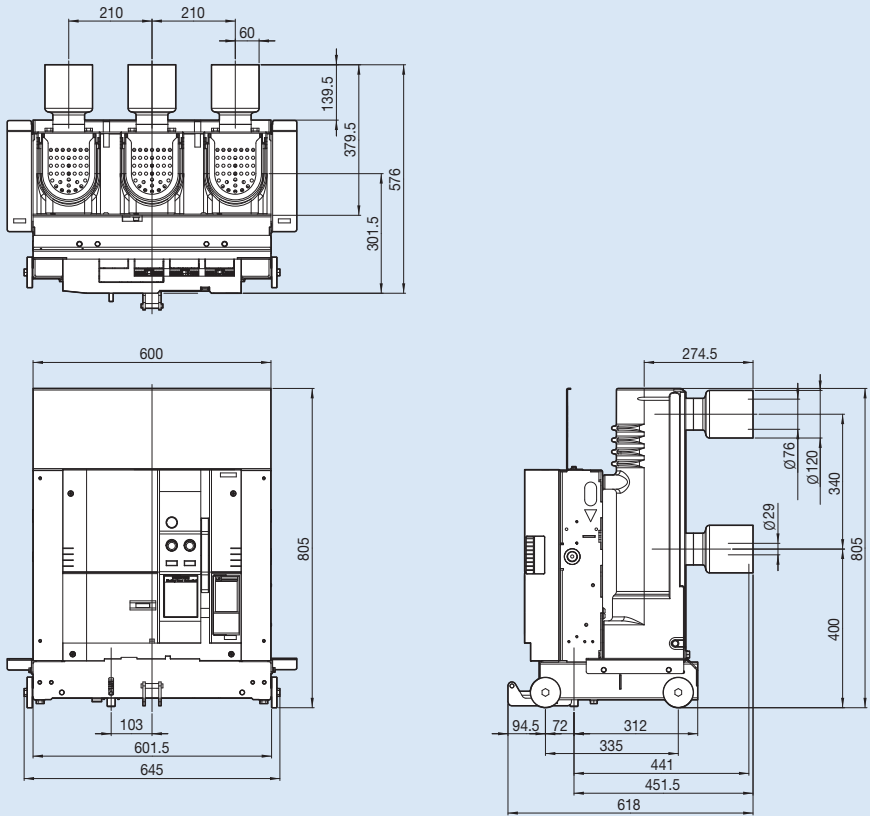
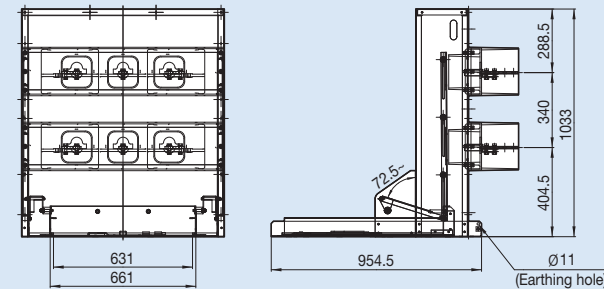
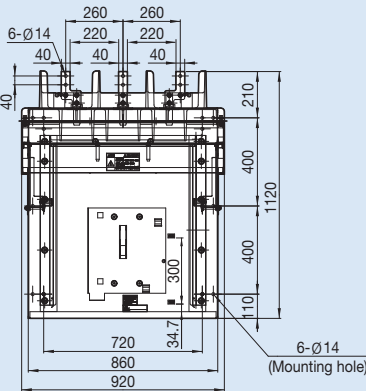


Dimensions

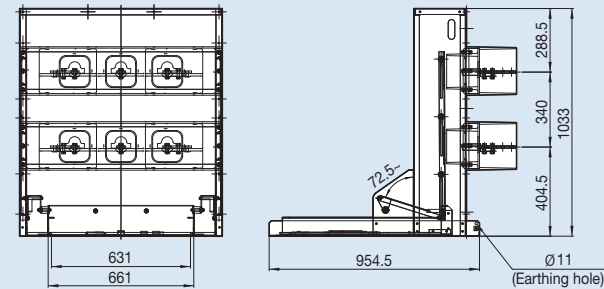
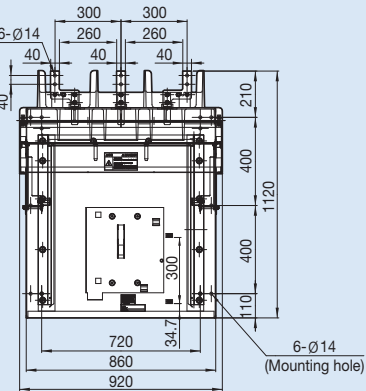
• 24kV 16kA 630A
G Type VCB



• Cradle 260



• Cradle 300



Ordering information

■ Breaker

VL	20	G	16	B	06
Basic model name	Rated voltage (kV)	Version	Rated short time current (kA)	Phase distance Compatibility	Rated current
VL VL Mecha.	20 24	G G type Draw-out type	16 16	B 210	06 630

VL-20G16B06	M1	C1	T1	SA4
Motor control voltage	Closing coil voltage	Trip coil voltage	Connector and wire	
M0 Without motor	C0 Without C.C	T0 Without T.C	SA2 Standard	A type connector, 4a4b
M1 DC 110V	C1 DC 110V	T1 DC 110V	SA4	A type connector, 10a10b
M2 DC 220V~250V	C2 DC 220V~250V	T2 DC 220V~250V		
M3 DC 125V	C3 DC 125V	T3 DC 125V		
M4 DC 24V~30V	C4 DC 24V~30V	T4 DC 24V~30V		
M5 DC 48V~60V	C5 DC 48V~60V	T5 DC 48V~60V		
M6 AC 48V	C6 AC 48V	T6 AC 48V		
M7 AC 100V~130V	C7 AC 100V~130V	T7 AC 100V~130V		
M8 AC 200V~250V	C8 AC 200V~250V	T8 AC 200V~250V		
U0	A19A...			
UVT (Accessories)	Other accessories			
U0 Without UVT	A1 Secondary trip coil			
U1 DC 110V	A2 Secondary trip coil with TCS contact			
U2 DC 220V~250V	A3 Position S/W (Test: 1a1b, service: 2b)			
U3 DC 125V	A4 Position S/W (Test: 2a, service: 2a)			
U4 DC 24V~30V	A5 Position S/W (Test: 1a1b, service: 1a2b)			
U5 DC 48V~60V	A7 Keylock			
U6 AC 48V	A8 Button padlock			
U7 AC 100V~130V	A9 Button cover			
U8 AC 200V~250V	AA Lead wire			
	AB User plug (Part)			
	AV CT operated coil 1A			
	AW CT operated coil 5A			

Note)
1. In the case of selecting accessories such as A1(Secondary trip coil), A4(Position S/W 2a2b), A7(Keylock)
A14A is type name in the ordering
2. A1(Secondary trip coil) and U1~U8(UVT) can not be selected simultaneously.
3. A3(Position S/W 1a3b), A4(Position S/W 2a2b), A5(Position S/W 2a2b) can not be selected simultaneously.
4. A8(Button padlock) and A9(Button cover) can not be selected simultaneously.
5. Maximum number of Auxiliary Contacts available are 9a9b in the case of selecting A1(Secondary trip coil).
6. Maximum number of Auxiliary Contacts available are 4a3b, 9a8b in the case of selecting A2(Secondary trip coil with TCS Contact).
7. When Position switch is selected in the accessory, auxiliary contact and wiring Assy can be selected with optional connector.
8. Blue wire is not applicable to flame retardant wire.
9. It is not possible to select A1 (secondary trip coil) and U1 ~ U8 (UVT) when AV (CTC 1A) and AW (CTC 5A)
The maximum auxiliary contact available when AV (CTC 1A) or AW (CTC 5A) is selected is 4a4b.

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Customer Center - Quick Responsive
Service, Excellent technical support

LS constantly endeavor to improve our products so that information in this catalog
is subject to change without notice.

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Susol Super Solution

VCB for Taiwan
Vacuum Circuit Breakers



LSIS

Susol VCB for Taiwan

Features

- Rating: 24kV 16kA 630A
- Rated breaking time: 3 cycle
- Rated operating sequence: 0-0.3s-C0-15s-C0
- Type test level:
E1(With Auto-reclosing),
E2(Without Auto-reclosing), C2, M2 (50/60Hz)
- Control voltage
- AC/DC 48V, AC/DC110V, DC125V, AC/DC220V
- Various accessories
- VCB part: UVT, Secondary trip coil, Secondary trip coil With TCM, Position S/W, Keylock, Button Pad lock, Button cover, Lead wire, User Plug, CTC

Standards and Test

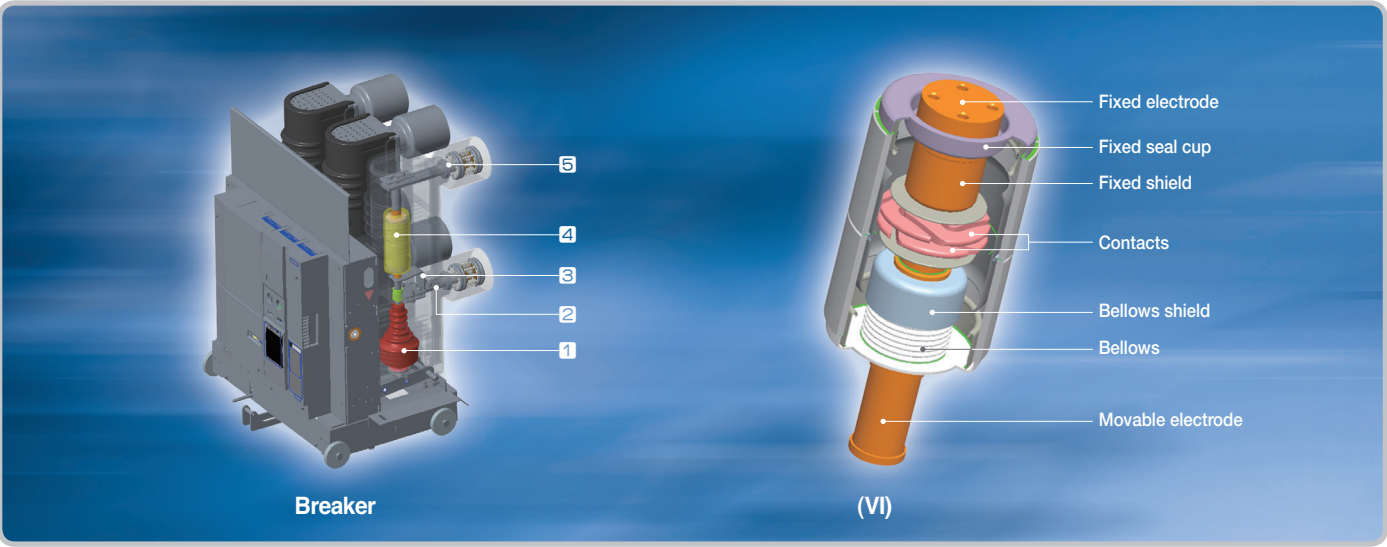
- E1(With Auto-reclosing), E2(Without Auto-reclosing),



Type	
Rated Voltage, Ur	[kV]
Rated current, Ir	[A]
Pole distance	[mm]
Weight (Circuit bearker)	[kg]
Rated frequency, fr	[Hz]
Rated short-circuit current, Ik	[kA]
Rated short-time breaking capacity	[MVA]
Rated short-time withstand current, Ik/tk	[kA]
Rated short-circuit making current, Ip	[kA]
Rated breaking time	[cycle]
Rated withstand voltage	Power frequency, Ud [kV] Impulse, Up [kV/1.2x50μs]
Rated operating sequence	
Control voltage	[V]
Control current for closing	[A]
Control current for opening	[A]
Current of motor operation (steady current/Inrush current)	[V]
Auxiliary contacts	
Rated opening time	[s]
No-load Closing time	[s]
Motor Charging time	[s]
Type test class	Mechanical
	Electrical
	Capacitive current switching
Installation version	
Standards	

VL-20G16B06			
24			
630			
210			
105			
50 / 60			
16			
665			
16kA / 3s			
41.6kA (50Hz: 40kA)			
3			
50			
125			
O-0.3s-CO-15s-CO			
DC24~30V	DC48~60V, AC 48V	AC/DC 100~130V	AC/DC 200~250V
≤ 8	≤ 4	≤ 2	≤ 1
≤ 8	≤ 4	≤ 4	≤ 2
≤ 5 / ≤ 25	≤ 3 / ≤ 15	≤ 2 / ≤ 10	≤ 1 / ≤ 5
4a4b, 10a10b			
≤ 0.04			
≤ 0.07			
≤ 5			
M2			
E1(With Auto-reclosing), E2(Without Auto-reclosing),			
C2			
G			
IEC62271-100:2017			

Structure



Breaker

- 1 Insulation rod
- 2 Lower terminal
- 3 Shunt
- 4 Vacuum interrupter
- 5 Upper terminal

Vacuum Interrupter, VI

The internal components of a typical Vacuum Interrupter are shown in the Fig. LS Vacuum Interrupter consists of a ceramic insulator, two end plates, arc shield, bellows, a movable and fixed electrode, and contact set.
The ambient gas pressure within the evacuated tube is approximately 5×10⁻⁶ torr.

Accessories

No	Designation	Division	Shape	Development division	Remarks
1	Geared motor	Basic		VL common	Rating division: DC 24V, 48V, 110V, 125V, 220V AC 48V, 110V, 220V
2	Closing coil	Basic		VL common	Rating division: DC 24V, 48V, 110V, 125V, 220V AC 48V, 110V, 220V
3	Opening coil	Basic		VL common	Rating division: DC 24V, 48V, 110V, 125V, 220V AC 48V, 110V, 220V
4	Auxiliary contact	Basic		VL common	7a7b
5	UVT	Option (Breaker)		VL common	Rating division: DC 24V, 48V, 110V, 125V, 220V AC 48V, 110V, 220V
6	Additional opening coil	Option (Breaker)		VL common	Rating division: DC 24V, 48V, 110V, 125V, 220V AC 48V, 110V, 220V
7	Keylock	Option (Breaker)		ACB common	
8	Button padlock	Option (Breaker)		ACB common	
9	Button cover	Option (Breaker)		VL common	
10	CTC (1A, 5A)	Option (Breaker)		VL common	

Control circuit diagram

