



Indoor Medium Voltage Switches



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Green Energy Electrical Industry Co., Ltd

Our Headquarters

Located in electrical city of China, Green Energy Electrical is a professional exporter,invested by five experienced factories.It has a history of more than ten years in the power and electrical industry, some of which have a history of more than 30 years.We supplies power electrical products and OEM/ODM services across LV/MV switchgears and its components & accessories,switching devices,insulation products,cooper machining products and EV Charging.All five factories have ISO9001,ISO14001certificates.The company aims to make green electrical supply more safe and efficient.Meanwhile, we became Official Authorized Distributor of Eaton Electrical from year 2022.



1 Vacuum Circuit Breaker
P1-P22

2 Load Break Switch
P23-P38

Our Factories



3 Earthing Switch
P39-P48

Vacuum Circuit Breaker

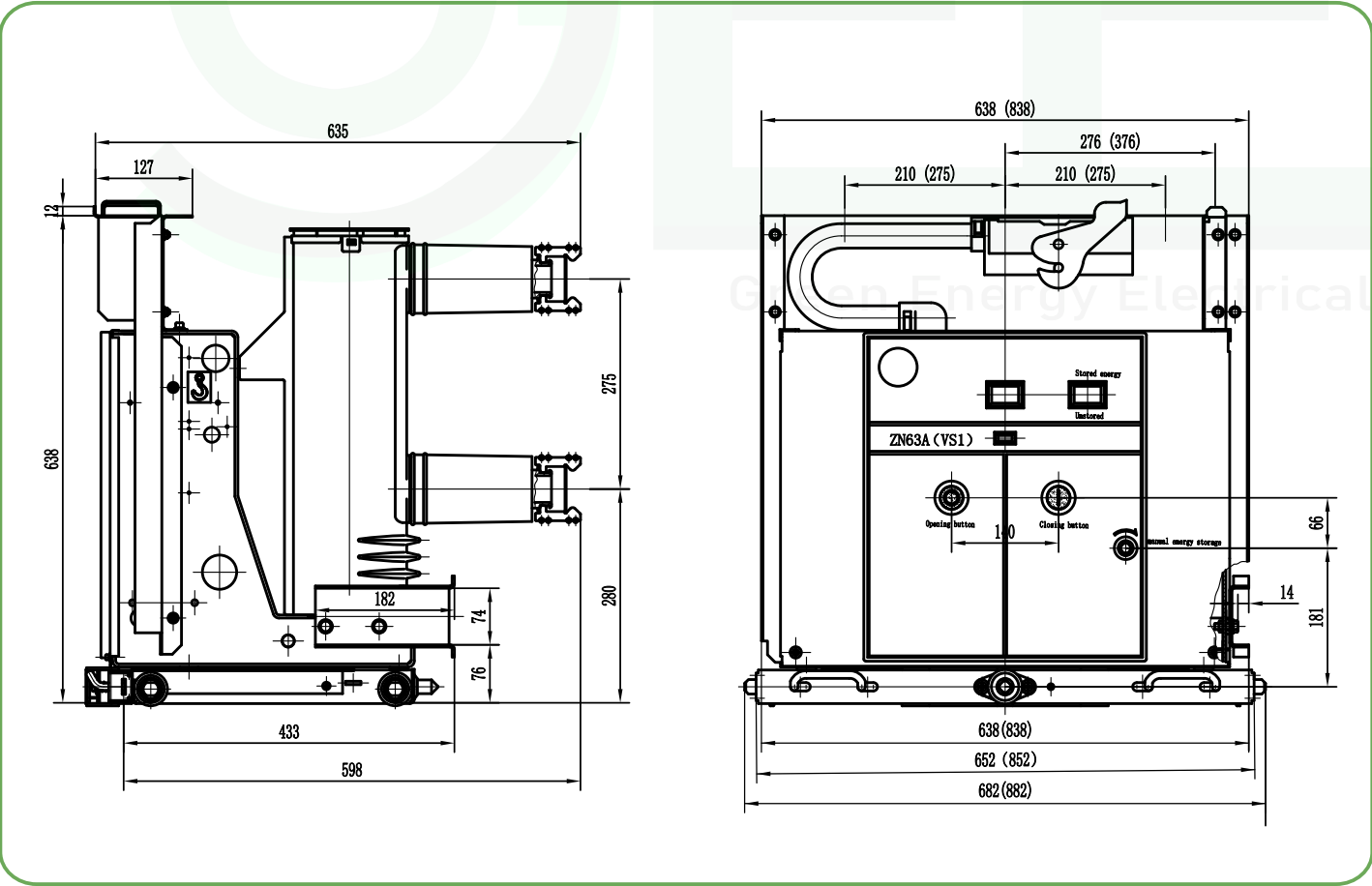


Indoor vacuum circuit breaker

ZN63-VS1-12



Outline and Installation Dimensions



Main Technical Parameter

Contents		Units	Technical Parameters Standard		
Rated voltage		kV	12		
Maximum working voltage		kV	12		
Rated current		A	630	1250	1600
Rated short-circuit breaking current		kA	20	25	31.5
Rated short-circuit closing current		kA	50	63	80
Rated peak withstand current		kA	50	63	80
4s rated short-circuit withstand current		kA	20	25	31.5
Rated insulation level	Industrial frequency withstand voltage (before and after rated opening)	kA	42(48)		
	Impulse withstand voltage (before and after rated opening)		75(85)		
Rated operating sequence			O-0.3s-CO-180s-Co		
Mechanical life		time	10000		
Rated short-circuit breaking current breaking times		time	50		
Rated closing voltage of operating mechanism (DC)		V	110 220		
Rated breaking voltage of operating mechanism (DC)		V	110 220		
Contact opening distance		mm	11±1		
Over-travelling (contact spring compression length)		mm	3.5±0.5		
Three-phase split, closing bounce time		ms	≤2		
Contact closing bounce time		ms	≤2		
Average splitting speed		m/s	0.9-1.2		
Average closing speed		m/s	0.5-0.8		
Breaking time	At maximum operating voltage	s	≤0.05		
	Minimum operating voltage		≤0.08		
Closing time		s	0.1		
Main circuit resistance of each phase		μ Ω	60	50	

Vacuum Circuit Breaker

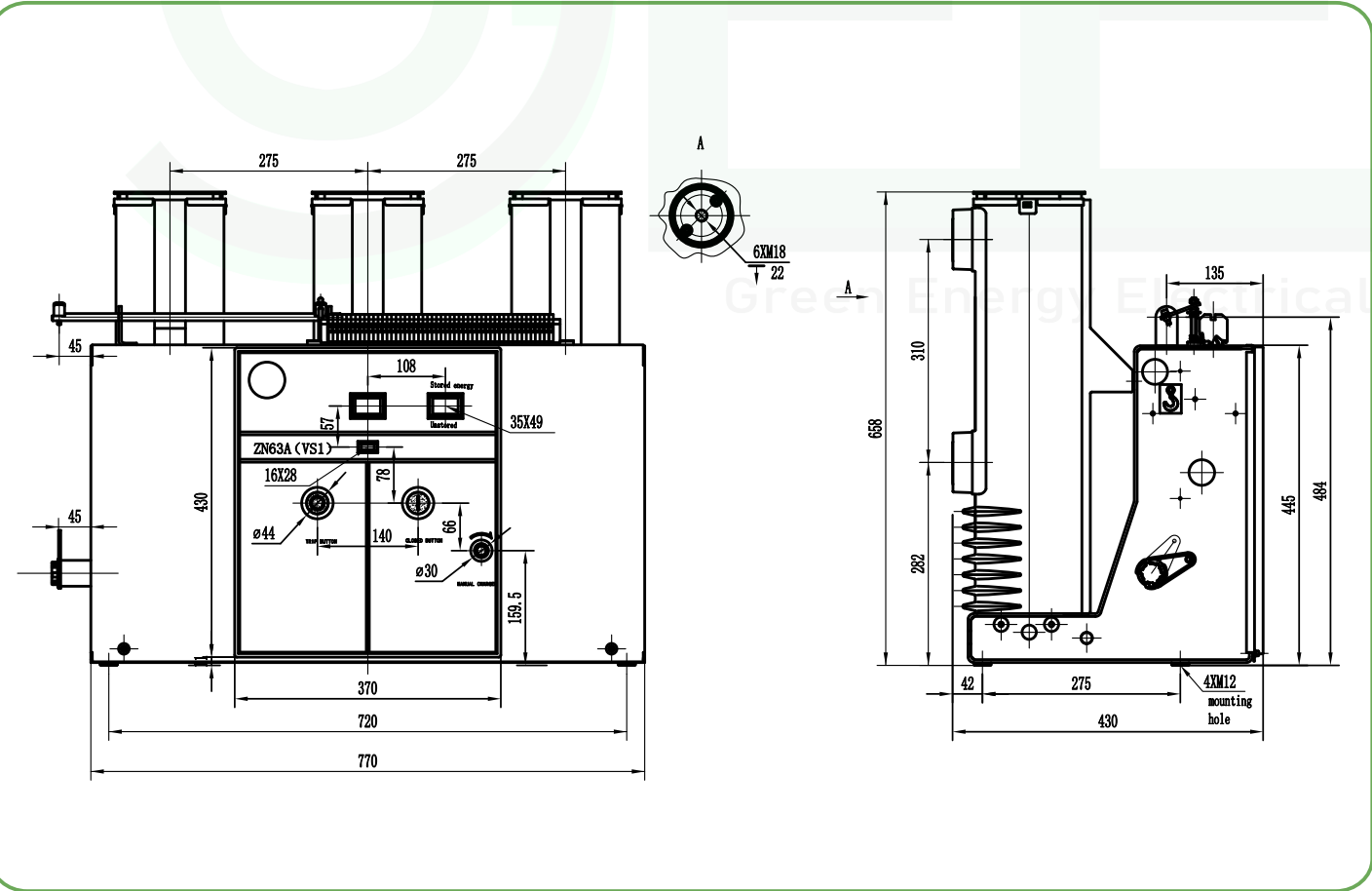


Indoor vacuum circuit breaker

ZN63-VS1-24



Outline and Installation Dimensions



Main Technical Parameter

Contents		Units	Parameters			
Rated Voltage		kV	24			
Rated insulation level	Lightning impulse withstand voltage (peak)	kA	125/145			
	1min industrial frequency withstand voltage		65/79			
Rated short-circuit breaking current		kA	20	25	31.5	40
Rated current		A	630 1250	630 1250 1600 2000 2500 3150		1250 1600 2000 2500 3150 4000
Rated thermal stability current (rms)		kA	20	25	31.5	40
Rated dynamic stability current (peak value)			63		80	100
Rated short-circuit closing current (peak)			50	63	80	100
Rated short-circuit current breaking times		time	20			
Rated frequency		Hz	50			
Rated operation sequence			O-0.3s-CO-180s-CO O-180s-CO-180s-CO(40kA)			
Rated thermal stabilisation time		s	4			
Rated single/back-to-back capacitor bank opening current		A	630/400 800/400(40kA)			
Mechanical life		time	10000			

Vacuum Circuit Breaker

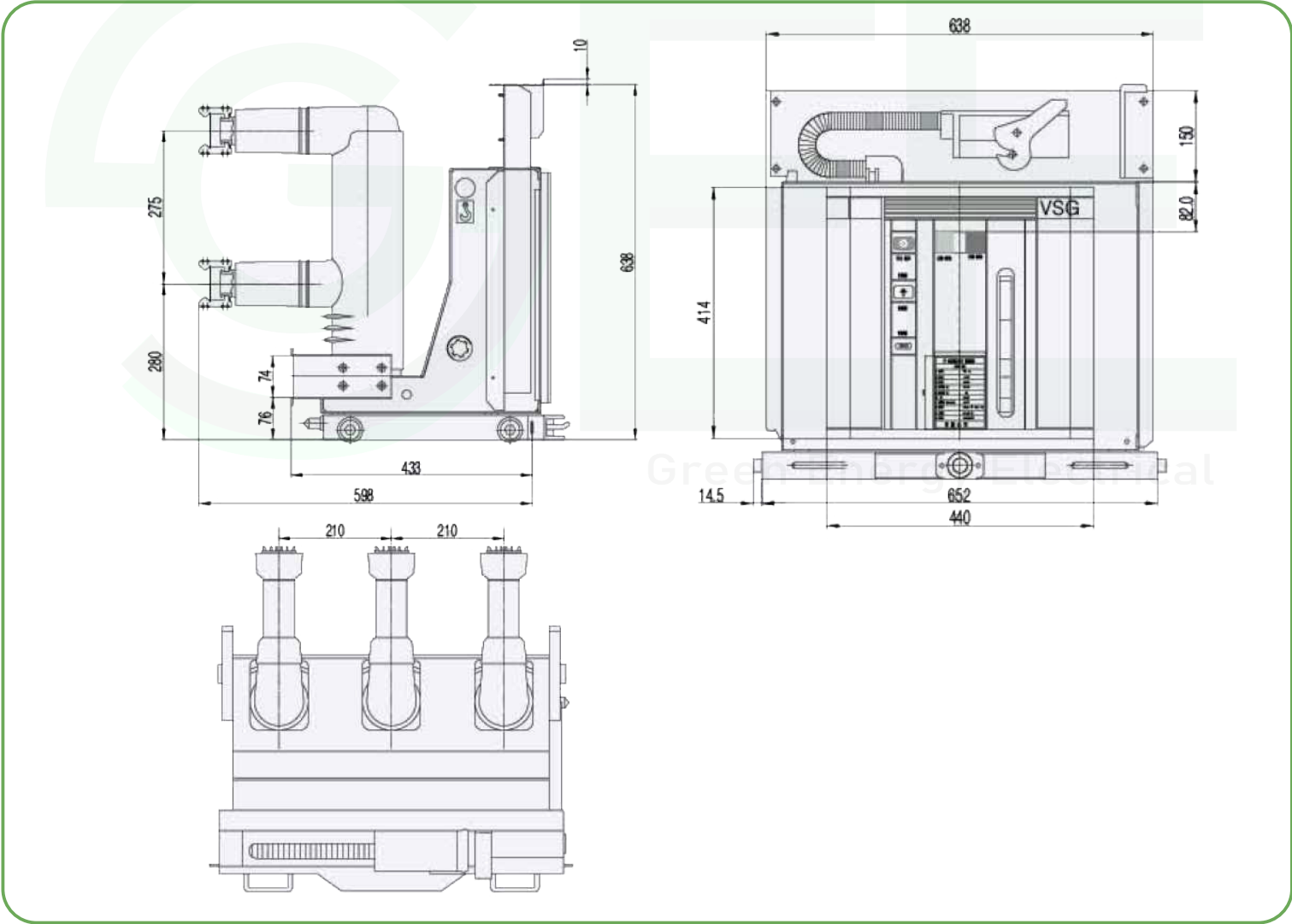


Indoor vacuum circuit breaker

VSG-12



Outline and Installation Dimensions



Main Technical Parameter

Contents		Units	Technical Parameters Standard		
Rated voltage		kV	12		
Maximum working voltage		kV	12		
Rated current		A	630	1250	1600
Rated short-circuit breaking current		kA	20	25	31.5
Rated short-circuit closing current		kA	50	63	80
Rated peak withstand current		kA	50	63	80
4s rated short-circuit withstand current		kA	20	25	31.5
Rated insulation level	Industrial frequency withstand voltage (before and after rated opening)	kA	42(48)		
	Impulse withstand voltage (before and after rated opening)		75(85)		
Rated operating sequence			O-0.3s-CO-180s-Co		
Mechanical life		time	10000		
Rated short-circuit breaking current breaking times		time	50		
Rated closing voltage of operating mechanism (DC)		V	110 220		
Rated breaking voltage of operating mechanism (DC)		V	110 220		
Contact opening distance		mm	11±1		
Over-travelling (contact spring compression length)		mm	3.5±0.5		
Three-phase split, closing bounce time		ms	≤2		
Contact closing bounce time		ms	≤2		
Average splitting speed		m/s	0.9-1.2		
Average closing speed		m/s	0.5-0.8		
Breaking time	At maximum operating voltage	s	≤0.05		
	Minimum operating voltage		≤0.08		
Closing time		s	0.1		
Main circuit resistance of each phase		μ Ω	60	50	

Vacuum Circuit Breaker

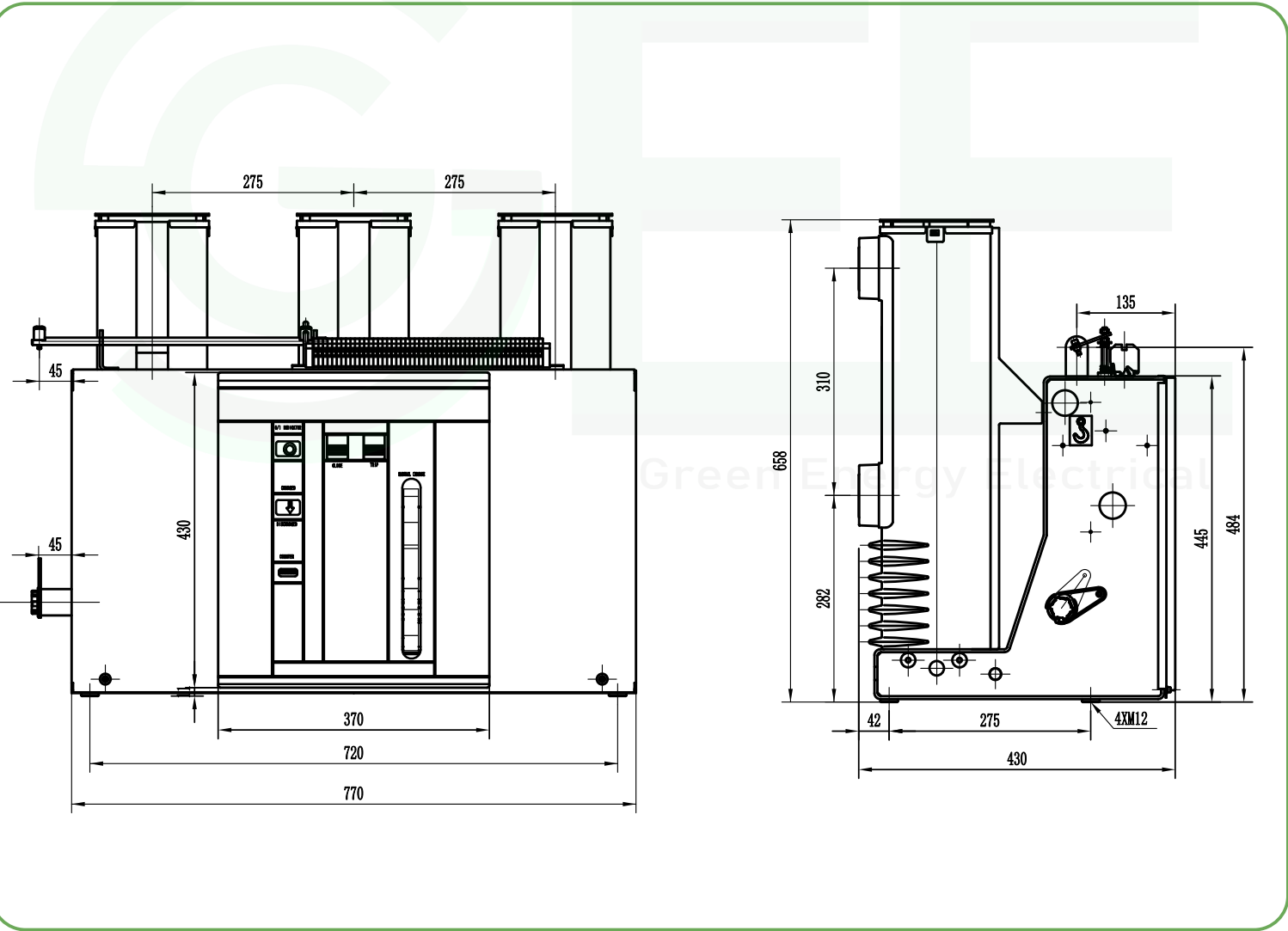


Indoor vacuum circuit breaker

VSG-24



Outline and Installation Dimensions



Main Technical Parameter

Contents	Units	Parameters		
Rated voltage	kV	24		
Rated short-time frequency withstand voltage (1min)		65/79		
Rated lightning impulse withstand voltage (peak)		125/145		
Rated frequency	Hz	50		
Rated current	A	630 1250	630 1250 1600 2000 2500 3150	
Rated short-circuit breaking current	kA	20/25	31.5	40
Rated short-circuit withstand time		20/25	31.5	40
Rated short-circuit duration	s	4		
Rated peak withstand current	kA	50/63	80	100
Rated short-circuit closing current		50/63	80	100
Secondary circuit frequency withstand voltage (1min)	V	2000		
Rated single/back-to-back capacitor bank opening current	A	630/400	(40kA 800/400)	
Rated capacitor bank opening and closing inrush current	kA	12.5 (Frequency ≤ 1000Hz)		
Mechanical life	time	10000		
Rated current breaking times (electrical life)		10000		
Rated short-circuit current breaking times		50 (40kA≤30)		
Accumulated thickness of movable and static contacts allowed to wear	mm	2		
Energy storage time	s	≤10		
Contact opening distance	mm	13±1		
Over travelling		3.5±0.5		
Contact closing bounce time	ms	≤2		
Three-phase switching and closing non-simultaneity		≤2		
Average splitting speed (contact separation-8mm)	m/s	0.9-1.2		
Average closing speed (8mm - contact closure)		0.5-0.8		
Resistance of main electric circuit	μ Ω	≤50(630A)≤45(1250A)≤35(1600-2000A)≤25(2500A)		
Rated operation sequence		O-0.3s-CO-180s-CO		

Vacuum Circuit Breaker

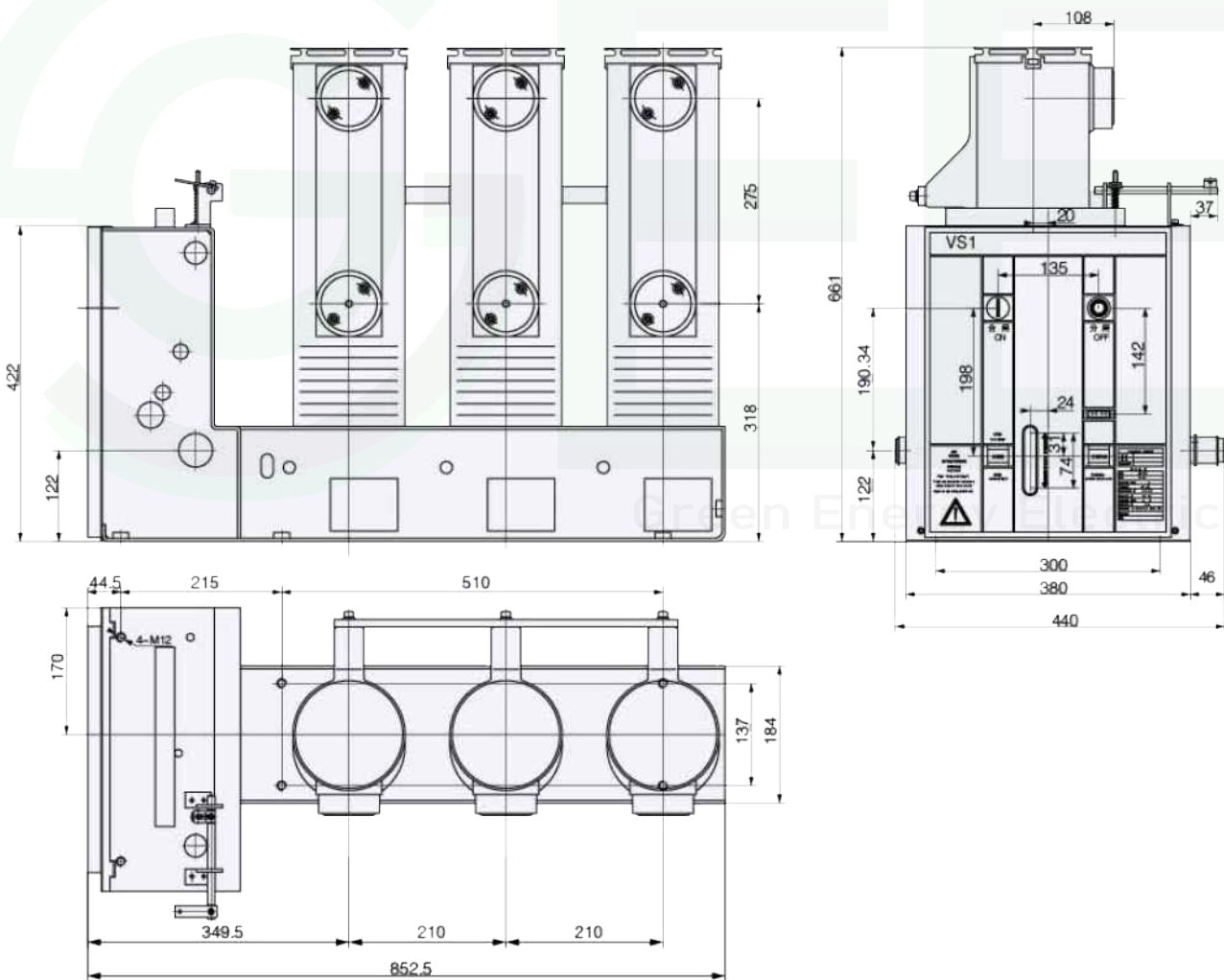


Side mounted indoor vacuum circuit breaker

VBI-S-12



Outline and Installation Dimensions



Main Technical Parameter

Contents		Units	Technical Parameters Standard		
Rated voltage		kV	12		
Maximum working voltage		kV	12		
Rated current		A	630	1250	1600
Rated short-circuit breaking current		kA	20	25	31.5
Rated short-circuit closing current		kA	50	63	80
Rated peak withstand current		kA	50	63	80
4s rated short-circuit withstand current		kA	20	25	31.5
Rated insulation level	Industrial frequency withstand voltage (before and after rated opening)	kA	42(48)		
	Impulse withstand voltage (before and after rated opening)		75(85)		
Rated operating sequence			O-0.3s-CO-180s-Co		
Mechanical life		time	10000		
Rated short-circuit breaking current breaking times		time	50		
Rated closing voltage of operating mechanism (DC)		V	110 220		
Rated breaking voltage of operating mechanism (DC)		V	110 220		
Contact opening distance		mm	11±1		
Over-travelling (contact spring compression length)		mm	3.5±0.5		
Three-phase split, closing bounce time		ms	≤2		
Contact closing bounce time		ms	≤2		
Average splitting speed		m/s	0.9-1.2		
Average closing speed		m/s	0.5-0.8		
Breaking time	At maximum operating voltage	s	≤0.05		
	Minimum operating voltage		≤0.08		
Closing time		s	0.1		
Main circuit resistance of each phase		μ Ω	60	50	

Vacuum Circuit Breaker

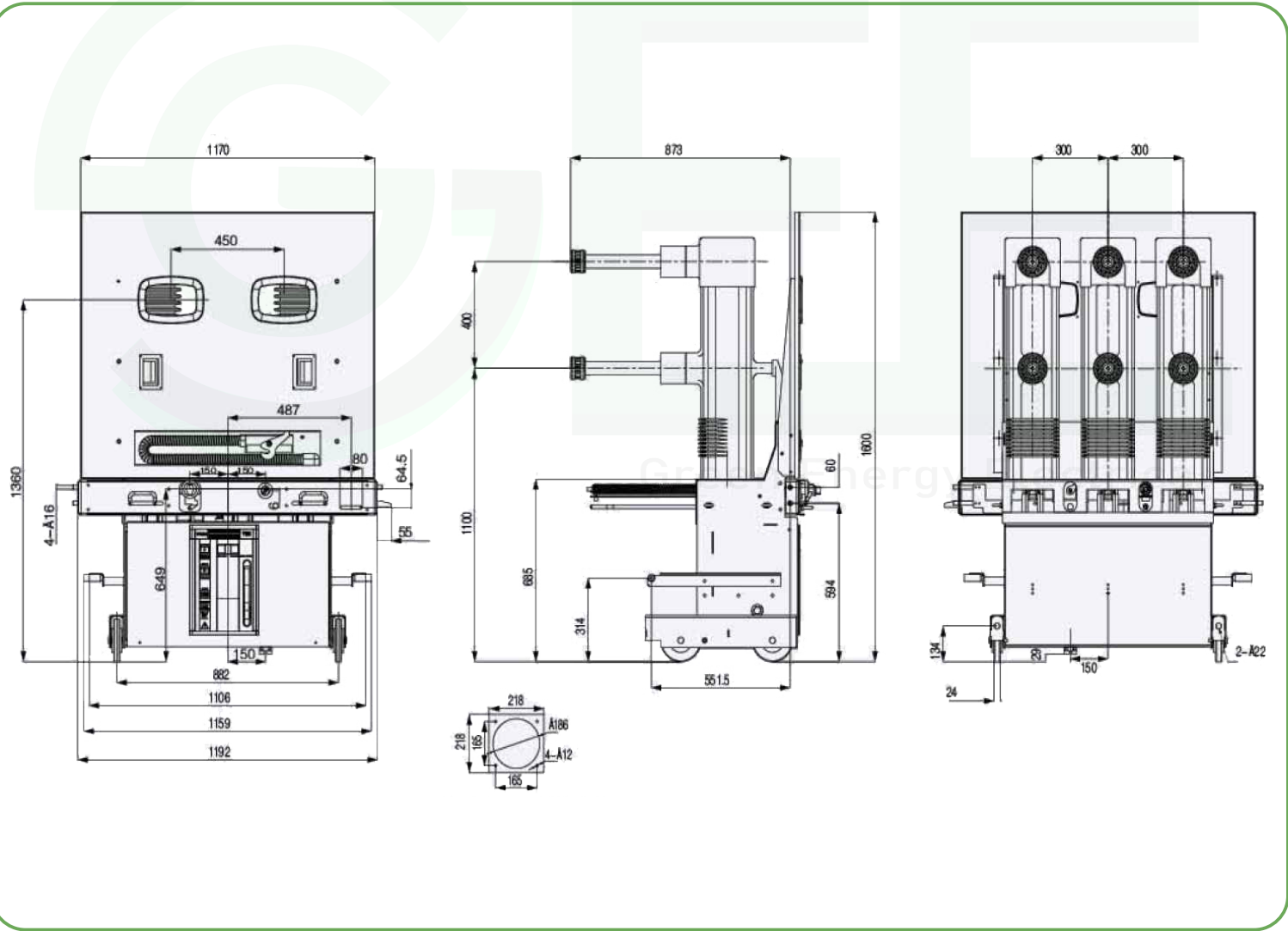


Indoor vacuum circuit breaker

ZN85-40.5



Outline and Installation Dimensions



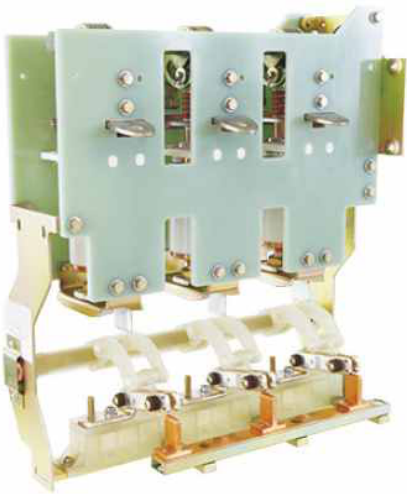
Main Technical Parameter

Contents		Units	Parameters			
Rated Voltage		kV	40.5			
Rated current		A	1250	1600	2000	2500
Rated short-circuit breaking current		kA	25	31.5	25	31.5
Dynamic stability current (peak)		kA	63	80	63	80
4s thermal stability current		kA	25	31.5	25	31.5
Rated short-circuit closing current (peak)		kA	63	80	63	80
Rated short-circuit current opening times		time	20			
Rated operation sequence			O-0.3s-CO-180s-CO			
Rated insulation level	1min industrial frequency withstand voltage	kV	95			
	Lightning impact withstand voltage (peak)		185			
Mechanical life		time	10000			
Rated single capacitor bank opening and closing current		A	630			
Rated back-to-back capacitor bank current		A	400			
Rated voltage of energy storage motor		V	AC DC:110 220			
Rated power of energy storage motor		W	≤230			
Energy storage time of energy storage motor		s	≤15			
Rated voltage of switching coil		V	DC:110 220			
Rated current of switching coil		A	1.05(110V)0.96(220V)			
Contact opening distance		mm	18±2			
Contact contact stroke		mm	7.5±1.5			
Three-phase synchronisation		ms	≤2			
Bounce time of contact closing		ms	≤3			
Main circuit resistance		μ Ω	≤40			

Vacuum Circuit Breaker

Circuit Breaker For RMU/GIS
WITH DOWN DISCONNECTOR AND EARTHING SWITCH

GV 12/630/3 X

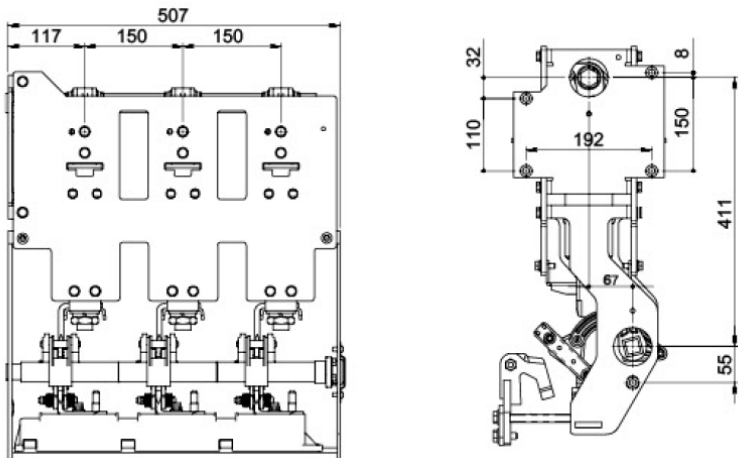


Main Technical Parameter

No.	Contents	units	Technical Parameters Standard
1	Rated frequency	Hz	50
2	Rated current	A	630
3	Rated short-time withstand current	kA	20/25
4	Rated peak withstand current	kA	50/63
5	Rated short-time duration	s	4
6	Rated short-circuit closing current	kA	50
7	Theoretical operations	O-0.3s-CO-180s-CO	

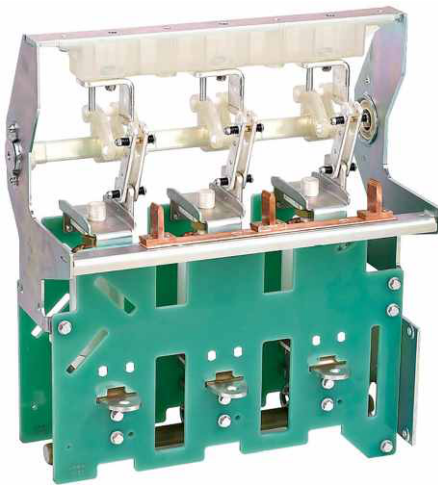
No.	Contents	units	Technical Parameters Standard
1	Main circuit breaker resistance	UΩ	45
2	Overtravel	mm	2-3
3	Opening distance	mm	8-10
4	Bounce	ms	≤2
5	Average speed of gate opening	m/s	1.0-1.4
6	Average speed of closing	m/s	0.6-1.1
7	Split three-phase non-simultaneous	ms	≤2
8	Closing three-phase non-simultaneous	ms	≤2

Outline and Installation Dimensions



Circuit Breaker For RMU/GIS
WITH UPPER DISCONNECTOR AND EARTHING SWITCH

GV 12/630/3 S

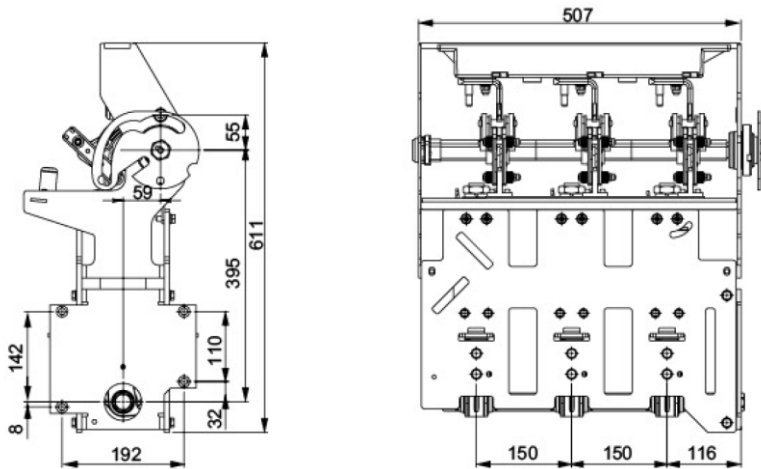


Main Technical Parameter

No.	Contents	units	Technical Parameters Standard
1	Rated frequency	Hz	50
2	Rated current	A	630
3	Rated short-time withstand current	kA	20/25
4	Rated peak withstand current	kA	50/63
5	Rated short-time duration	s	4
6	Rated short-circuit closing current	kA	50
7	Theoretical operations	O-0.3s-CO-180s-CO	

No.	Contents	units	Technical Parameters Standard
1	Main circuit breaker resistance	UΩ	45
2	Overtravel	mm	2-3
3	Opening distance	mm	8-10
4	Bounce	ms	≤2
5	Average speed of gate opening	m/s	1.0-1.4
6	Average speed of closing	m/s	0.6-1.1
7	Split three-phase non-simultaneous	ms	≤2
8	Closing three-phase non-simultaneous	ms	≤2

Outline and Installation Dimensions

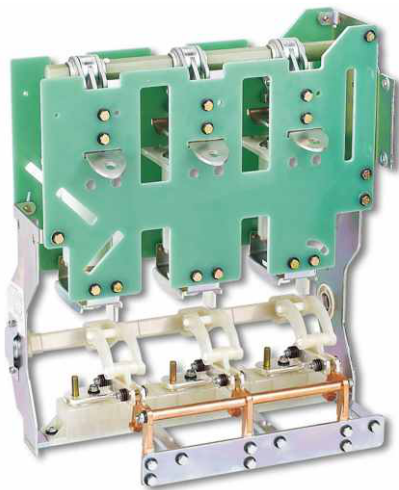


Vacuum Circuit Breaker

Circuit Breaker For RMU/GIS

WITH DOWN DISCONNECTOR AND EARTHING SWITCH

GV 24/630/3 X



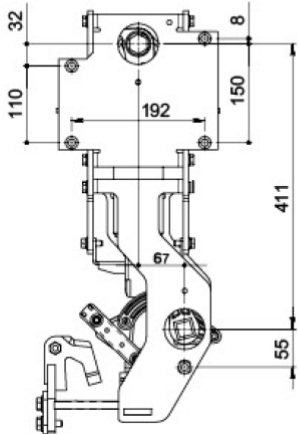
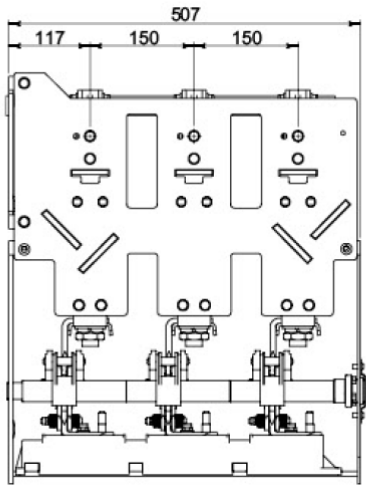
Main Technical Parameter

No.	Contents	units	Technical Parameters Standard
1	Rated frequency	Hz	50
2	Rated current	A	630
3	Rated short-time withstand current	kA	20/25
4	Rated peak withstand current	kA	50/63
5	Rated short-time duration	s	4
6	Rated short-circuit closing current	kA	50
7	Theoretical operations	O-0.3s-CO-180s-CO	

Precautions for environmental conditions of use

- Altitude not exceeding 200m, seismicity not exceeding 8 degrees.
- Ambient temperature of the product is -40℃~+140℃, relative humidity is not more than 90% on average per day and not more than 90% on average per month.
- Frequent severe vibration of the installation site, obviously affect the performance of the mechanism of water vapour, gas, chemical corrosion deposits, salt spray, dust and dirt and its fire, explosion hazardous installation sites are not suitable for use.

Outline and Installation Dimensions



Circuit Breaker For RMU/GIS

WITH DOWN DISCONNECTOR AND EARTHING SWITCH

GV 35/630/3 X



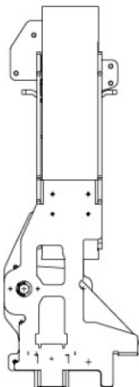
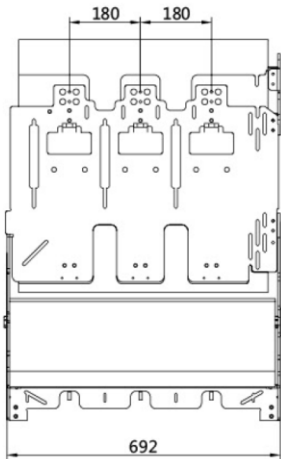
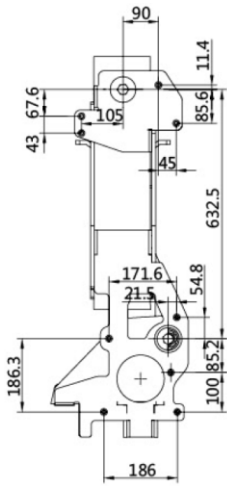
Main Technical Parameter

No.	Contents	units	Technical Parameters Standard
1	Rated voltage	kV	40.5
2	Rated current	A	630
3	Rated frequency	Hz	50
4	Industrial frequency withstand voltage (phase-to-phase to ground)	kV	95
5	Vacuum breaks/Isolation breaks	kV	118
6	Lightning Impact	kV	185/215
7	Rated short-circuit current breaking times	Timrs	30
8	Rated operating cycles	O-0.3s-CO-180s-CO	

Precautions for environmental conditions of use

- Altitude not exceeding 200m, seismicity not exceeding 8 degrees.
- Ambient temperature of the product is -40℃~+140℃, relative humidity is not more than 90% on average per day and not more than 90% on average per month.
- Frequent severe vibration of the installation site, obviously affect the performance of the mechanism of water vapour, gas, chemical corrosion deposits, salt spray, dust and dirt and its fire, explosion hazardous installation sites are not suitable for use.

Outline and Installation Dimensions



Vacuum Circuit Breaker

Solid-insulated circuit breaker/
Load break switch
With Operation Mechanism

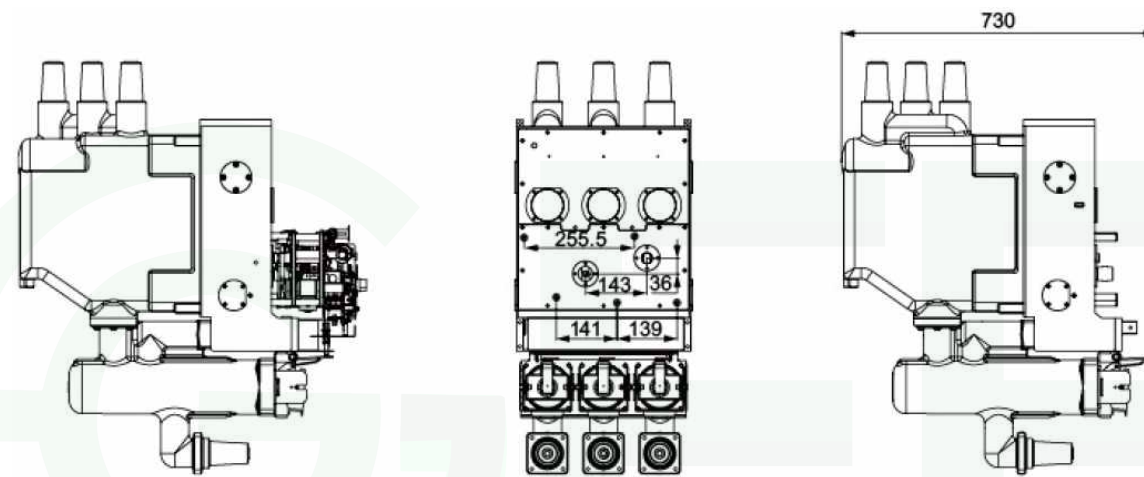
GFT F 12/125

Outline and Installation Dimensions



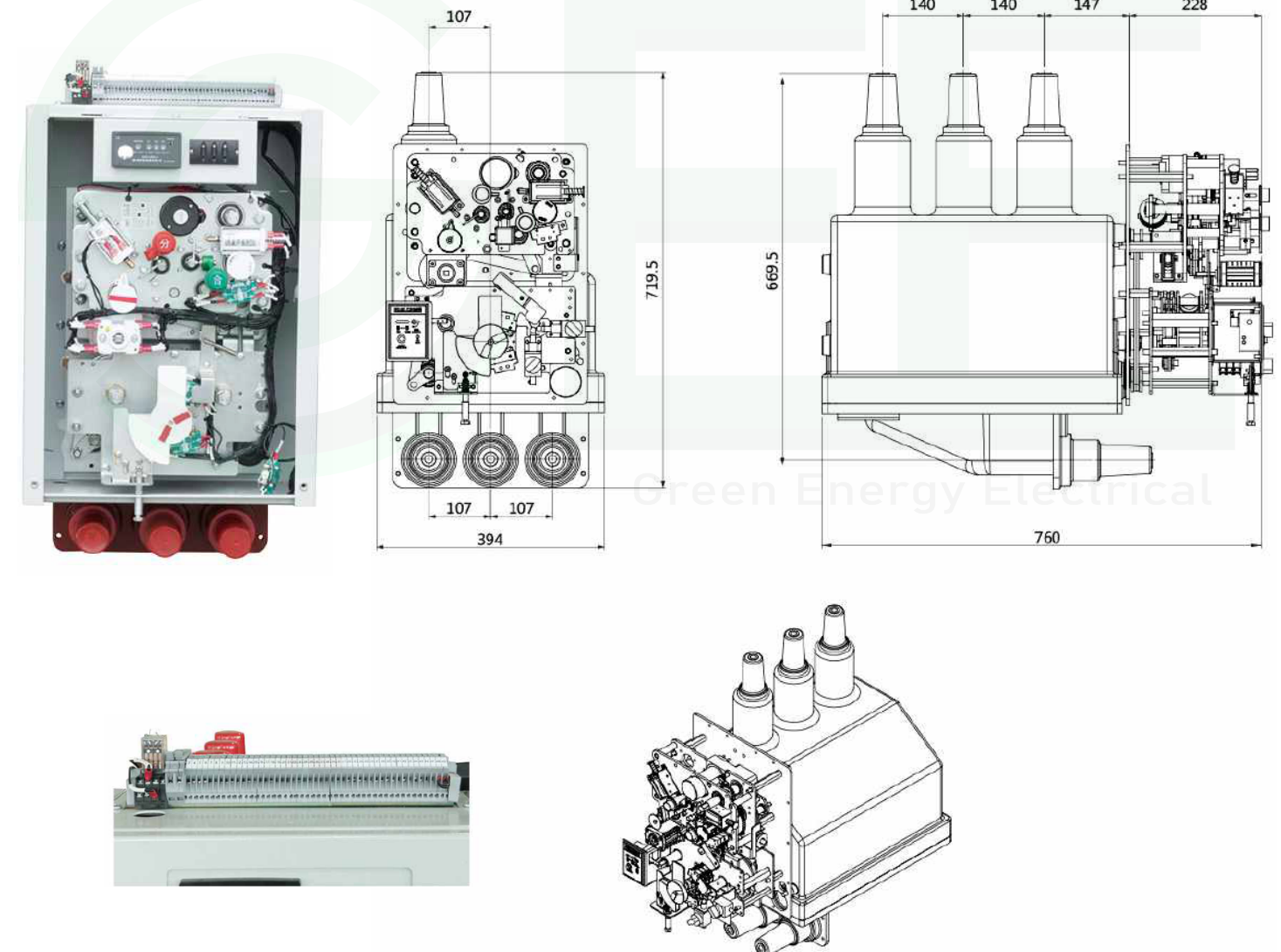
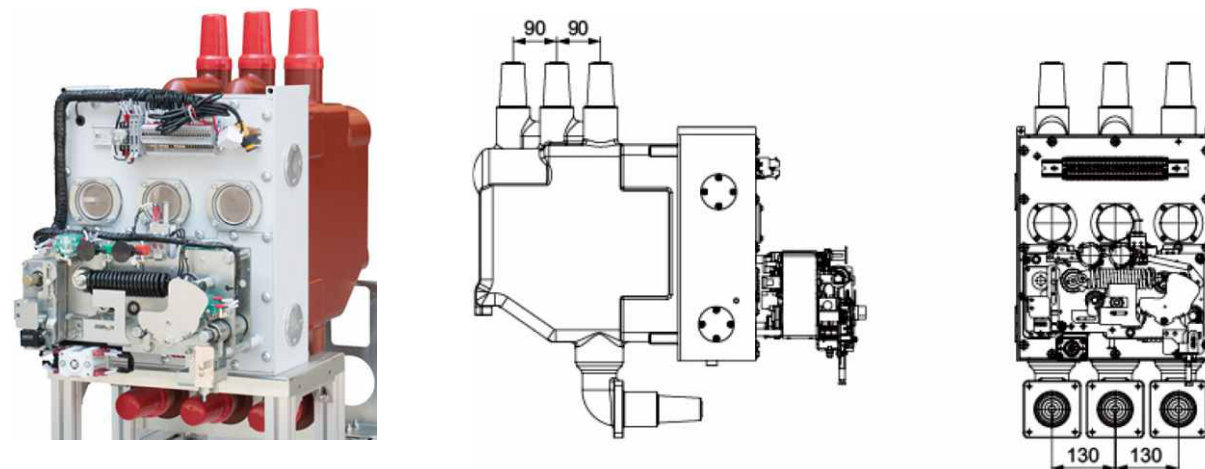
Solid-insulated circuit breaker/
Load break switch/
Operation Mechanism

GYT V 12/□/3



GFT V 12/630/3

Outline and Installation Dimensions

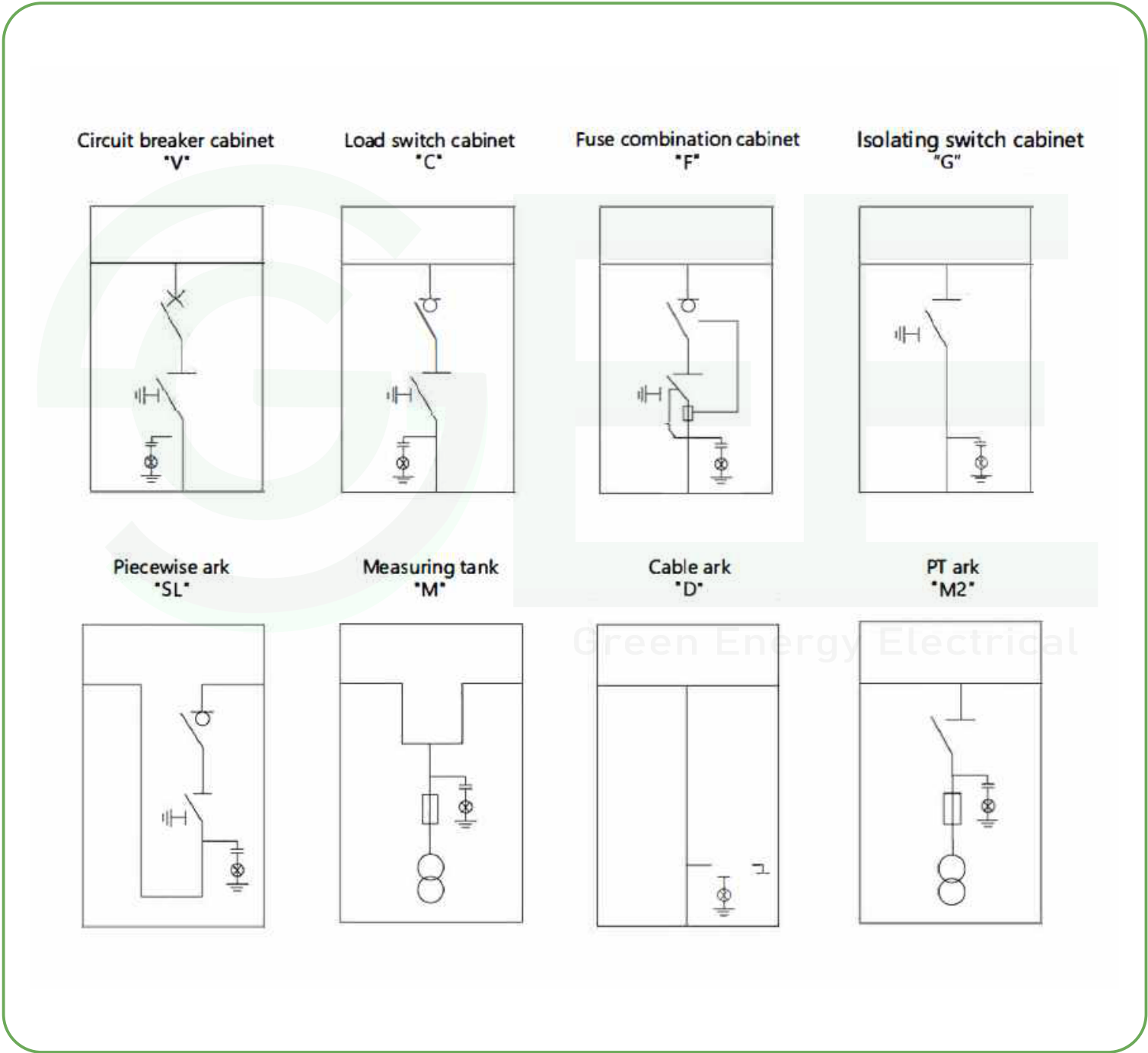


Solid insulation ring net cabinet
movement

Main Technical Parameter

Contents		units	Circuit breaker unit	load switch unit	fuse combination electrical unit
Rated voltage		kV	12	12	12
Rated frequency		Hz	50	50	50
Rated current		A	630/1250	630/1250	
Rated insulation level	Industrial frequency withstand voltage (phase-to-phase and phase-to-ground)	kV	42	42	42
	Industrial frequency withstand voltage (vacuum disconnection, isolation disconnection)		48	48	48
	Industrial frequency withstand voltage (control and auxiliary circuits)		2	2	2
	Lightning impulse withstand voltage (phase-to-phase and phase-to-ground)		75	75	75
	Lightning impulse withstand voltage (vacuum break, isolation break)		85	85	85
Rated short-time withstand voltage current		kA	20(25)/4s	20(25)/4s	
Rated peak withstand current		kA	50(63)	50(63)	
Rated short-circuit closing current		kA	50(63)	50(63)	
Rated short-circuit opening current		kA	50(25)	50(25)	
Rated transfer current		A			1700
Rated active load opening current		A			
Rated Closed Loop Breaking Current		A	630	630	
Internal arc-firing test AFLR		kA/s	50(25)/0.5s	50(25)/0.5s	
Partial discharge (1.2Ur)		PC	≤10	≤10	
Protection rating (cabinet)			IP4X	IP4X	IP4X
Main circuit resistance		μ Ω	≤120	≤120	
Mechanical life	Circuit breaker/load switch	Time	10000	10000	10000
	Disconnecting/Earthing Switch		3000	3000	3000

Design options :



Vacuum Circuit Breaker



Environmental upper isolating
circuit breaker switch

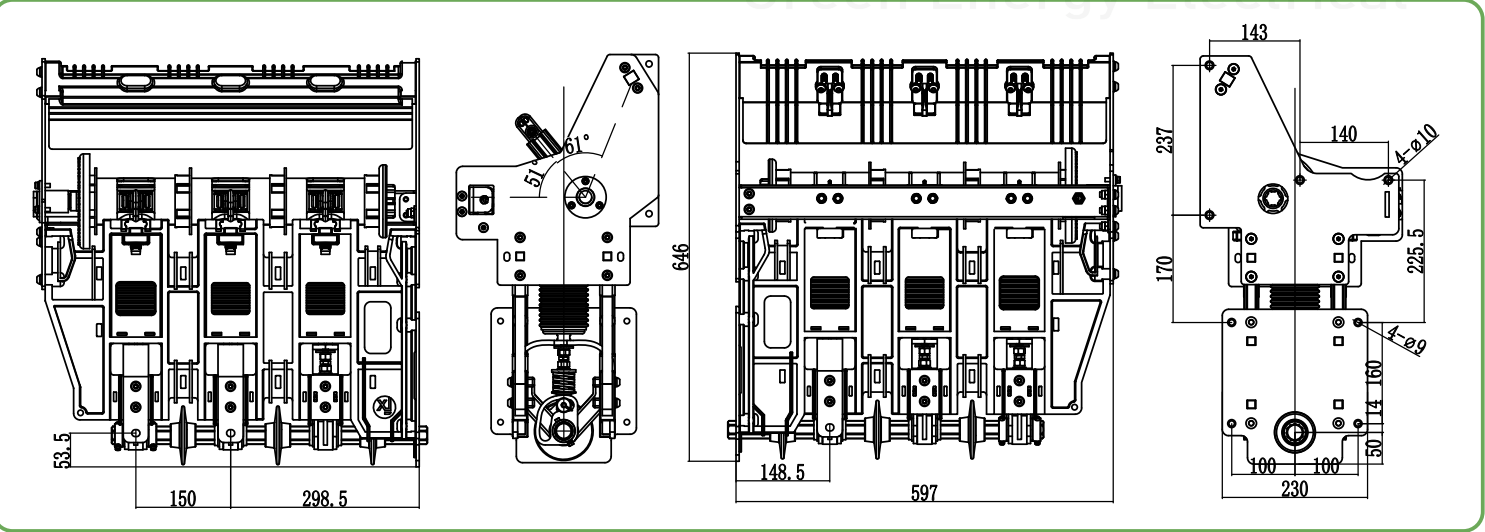
GHV-12/630/3/S



Main Technical Parameter

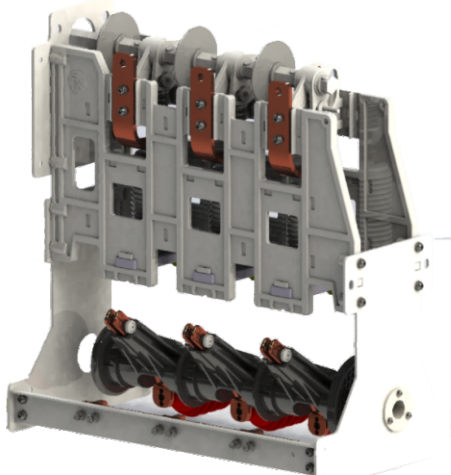
No.	Contents	Technical parameter standard		
1	Rated voltage kV	12	Closing operating voltage V	DC220.110.48.24V
2	Rated current A	630	Breakout operating voltage V	DC220.110.48.24V
3	Rated frequency Hz	50	Classification level according to mechanical life	M2
4	Rated short-circuit breaking current of circuit breaker kA	20/25	Classification level according to the ability to open and close the capacitive current	C2
5	Rated short-circuit closing current kA Peak value	50/63	Rating of auxiliary contacts	2
6	Rated short-time withstand current duration S	4/3	Rated filling pressure of dry air (gauge pressure at 20°C) Mpa	0.02
7	Rated short-time withstand current kA	20/25	Cabinet shell protection grade	IP 4X
8	Rated peak withstand current (kA) peak	50/63	Sealed case protection grade	IP 67
9	Rated short-time frequency withstand voltage (phase-to-phase, phase-to-ground) kV	42		
10	Rated lightning impulse withstand voltage (phase-to-phase, phase-to-ground) kV peak	75		
11	Rated short-time frequency withstand voltage (break) kV	48		
12	Rated Lightning Impulse Withstand Voltage (Break) kV Peak	85		
13	Rated sequence of operation	O-0.3s-CO-180s-CO		

Outline and Installation Dimensions



Environmental down isolating
circuit breaker switch

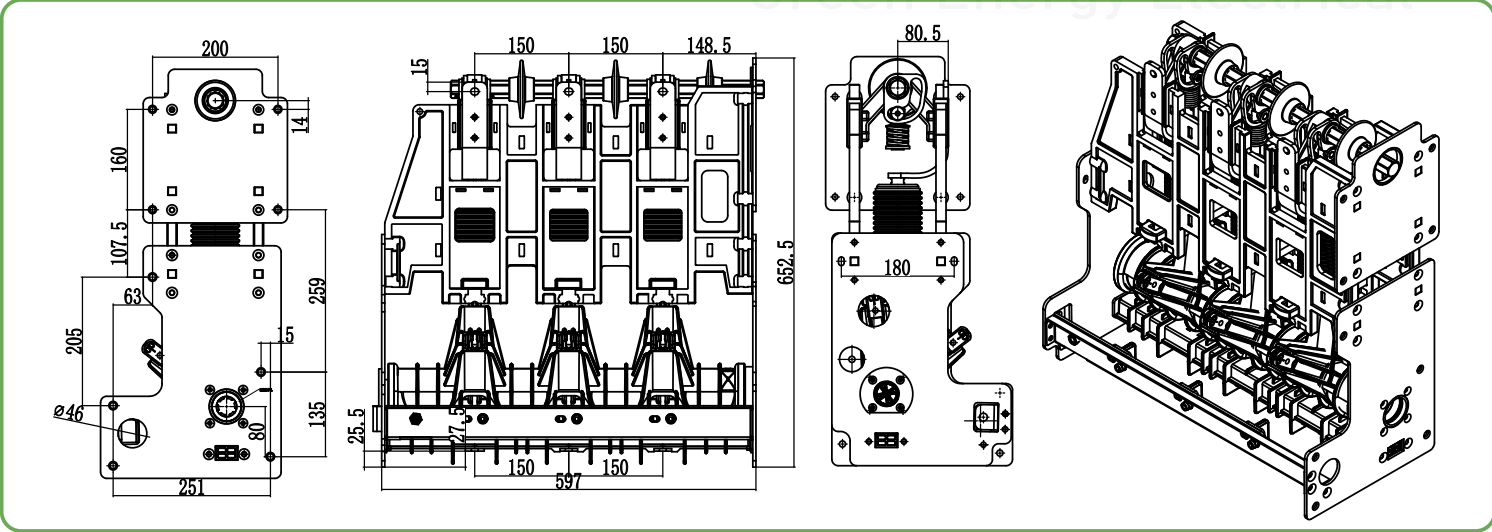
GHV-12/630/3/X



Main Technical Parameter

No.	Contents	Technical parameter standard		
1	Rated voltage kV	12	Closing operating voltage V	DC220.110.48.24V
2	Rated current A	630	Breakout operating voltage V	DC220.110.48.24V
3	Rated frequency Hz	50	Classification level according to mechanical life	M2
4	Rated short-circuit breaking current of circuit breaker kA	20/25	Classification level according to the ability to open and close the capacitive current	C2
5	Rated short-circuit closing current kA Peak value	50/63	Rating of auxiliary contacts	2
6	Rated short-time withstand current duration S	4/3	Rated filling pressure of dry air (gauge pressure at 20°C) Mpa	0.02
7	Rated short-time withstand current kA	20/25	Cabinet shell protection grade	IP 4X
8	Rated peak withstand current (kA) peak	50/63	Sealed case protection grade	IP 67
9	Rated short-time frequency withstand voltage (phase-to-phase, phase-to-ground) kV	42		
10	Rated lightning impulse withstand voltage (phase-to-phase, phase-to-ground) kV peak	75		
11	Rated short-time frequency withstand voltage (break) kV	48		
12	Rated Lightning Impulse Withstand Voltage (Break) kV Peak	85		
13	Rated sequence of operation	O-0.3s-CO-180s-CO		

Outline and Installation Dimensions



Load Break Switch

Environmental PC disconnect switch

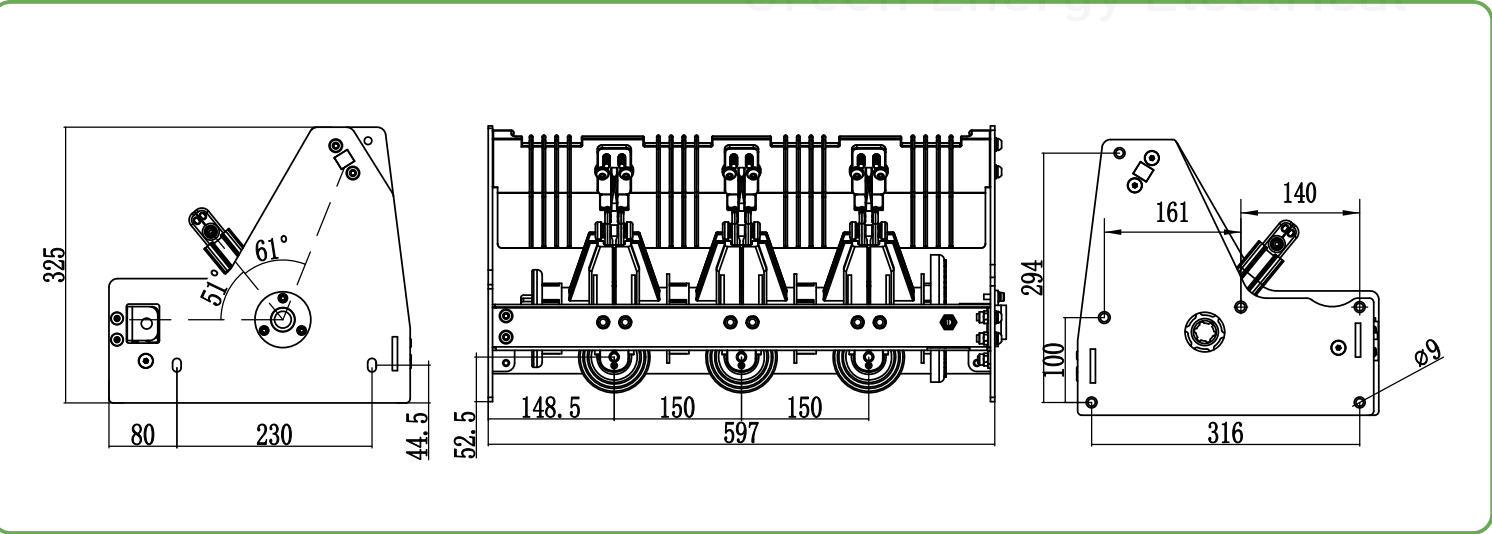
GH/G-12/630/3



Main Technical Parameter

Contents	Parameter	Contents	Parameter
Rated voltage kV	12	Cabinet shell protection grade	IP 4X
Rated current A	630	Sealed case protection grade	IP 65 IP 67
Rated frequency Hz	50	Rated sequence of operation	0-0.3s-C0-180s-C0
Rated filling pressure of dry gas (gauge pressure at 20°C) Mpa	0.02	Rated short-time frequency withstand voltage (phase-to-phase, phase-to-ground) kV	42
Rated short-time withstand current duration S	4/3		
Rated short-time withstand current kA	20/25	Rated lightning impulse withstand voltage (phase-to-phase, phase-to-ground) kV peak	75
Rated peak withstand current (kA) peak	50/63		
Rated Lightning Impulse Withstand Voltage (Break) kV Peak	85	Rated short-time frequency withstand voltage (break) kV	48

Outline and Installation Dimensions



Load switch series

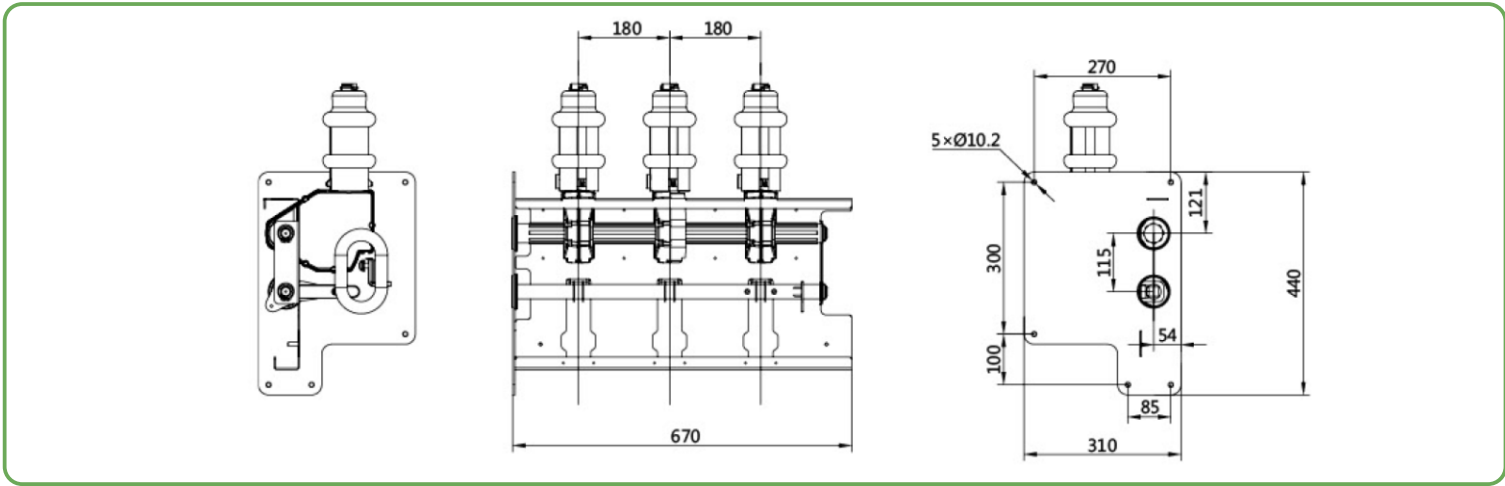
GC-35/630/3



Main Technical Parameter

Contents		Load switch		Ground switch	
Rated voltage kV		36	40.5	36	40.5
Frequency withstand voltage kV		70	95	70	95
Isolating distance kV		80	118		
Lightning impulse withstand voltage		170	185	170	185
Isolating distance kV		195	215		
Rated current A		630	630(Depends on fuse current rating)		
Breaking capacity	Active load A	630	630		
	Closed loop current breaking A	630	630		
	No-load cable charging A	20	21		
	Ground fault A	60	63		
	Ground fault cable A Charging	35	36		
Electrical life rating		E3	E2	E2	E2

Outline and Installation Dimensions



Load Break Switch

Load switch series

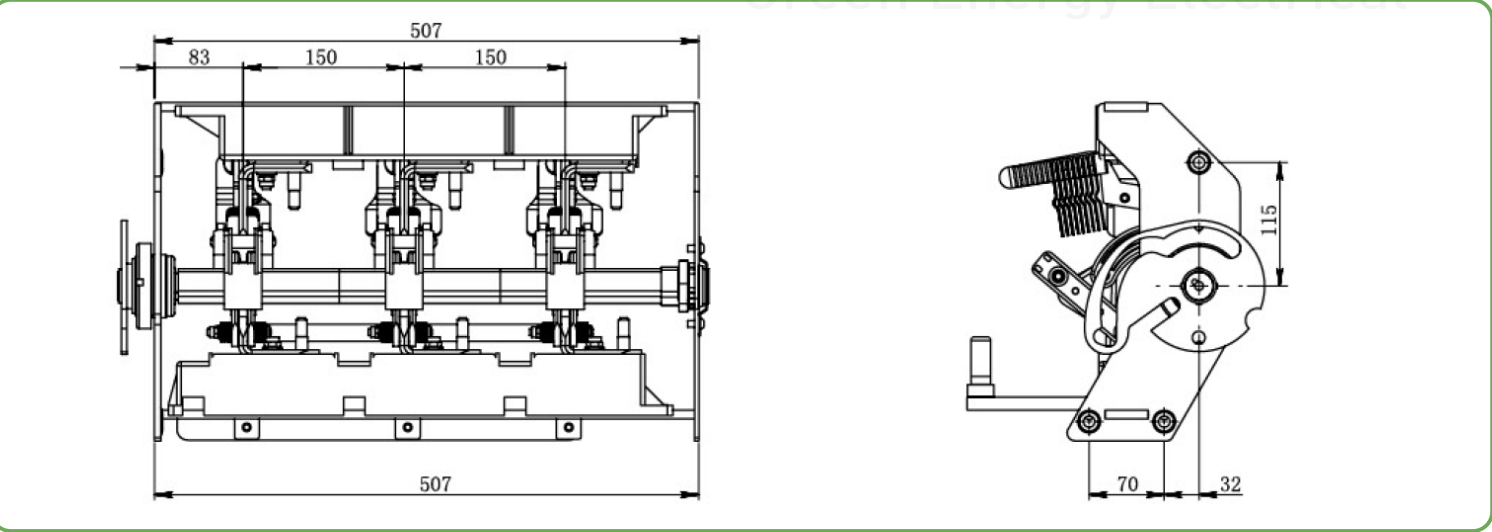
GC-12/630/20/3

Main Technical Parameter

No.	Contents	units	Technical Parameters Standard
1	Rated frequency	Hz	50
2	Rated current	A	630
3	Rated short-time withstand current	kA	20/25
4	Rated peak withstand current	kA	50/63
5	Rated short-time duration	s	4
6	Rated short-circuit closing current	kA	50
7	Mechanical lfie	time	5000

- Altitude not exceeding 200m, seismicity not exceeding 8 degrees.
- Ambient temperature of the product is -40~+140℃, relative humidity is not more than 90% on average per day and not more than 90% on average per month.
- Frequent severe vibration of the installation site, obviously affect the performance of the mechanism of water vapour, gas, chemical corrosion deposits, salt spray, dust and dirt and its fire, explosion hazardous installation sites are not suitable for use.

Outline and Installation Dimensions



Load switch series

GC-12/800/20/3
GC-24/630/20/3

Main Technical Parameter

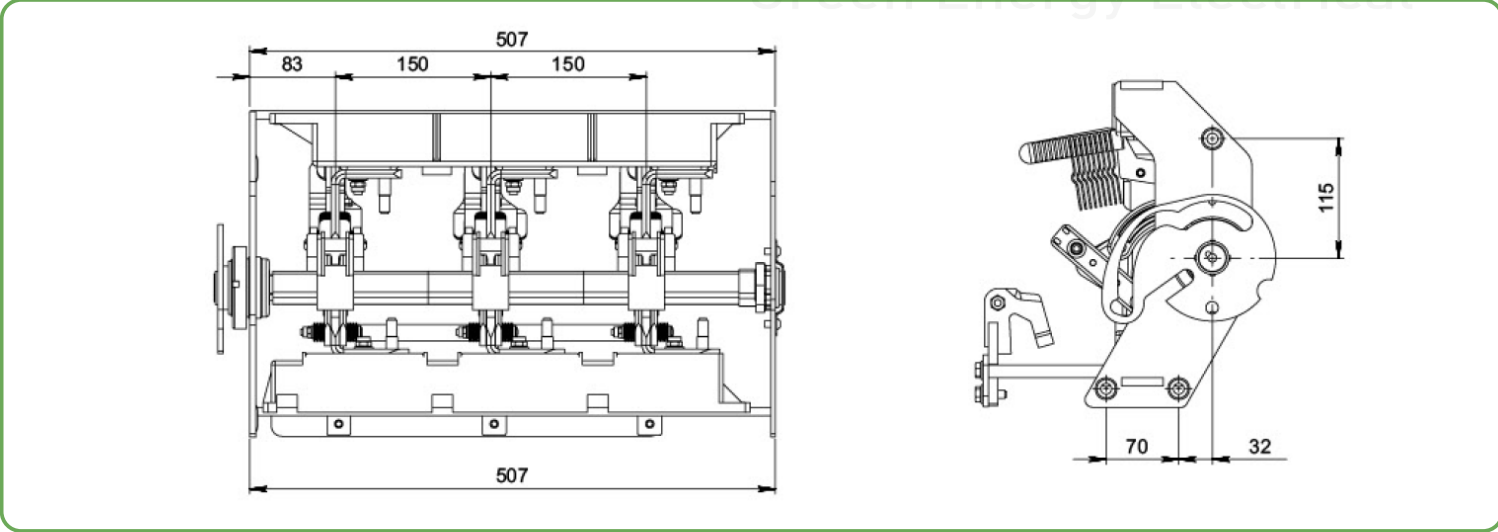
12kV

No.	Contents	units	Technical Parameters Standard
1	Rated frequency	Hz	50
2	Rated current	A	800
3	Rated short-time withstand current	kA	20/25
4	Rated peak withstand current	kA	50/63
5	Rated short-time duration	s	4
6	Rated short-circuit closing current	kA	50
7	Mechanical lfie	time	5000

24kV

No.	Contents	units	Technical Parameters Standard
1	Rated frequency	Hz	50
2	Rated current	A	630
3	Rated short-time withstand current	kA	20/25
4	Rated peak withstand current	kA	50/63
5	Rated short-time duration	s	4
6	Rated short-circuit closing current	kA	50
7	Mechanical lfie	time	5000

Outline and Installation Dimensions



Load Break Switch

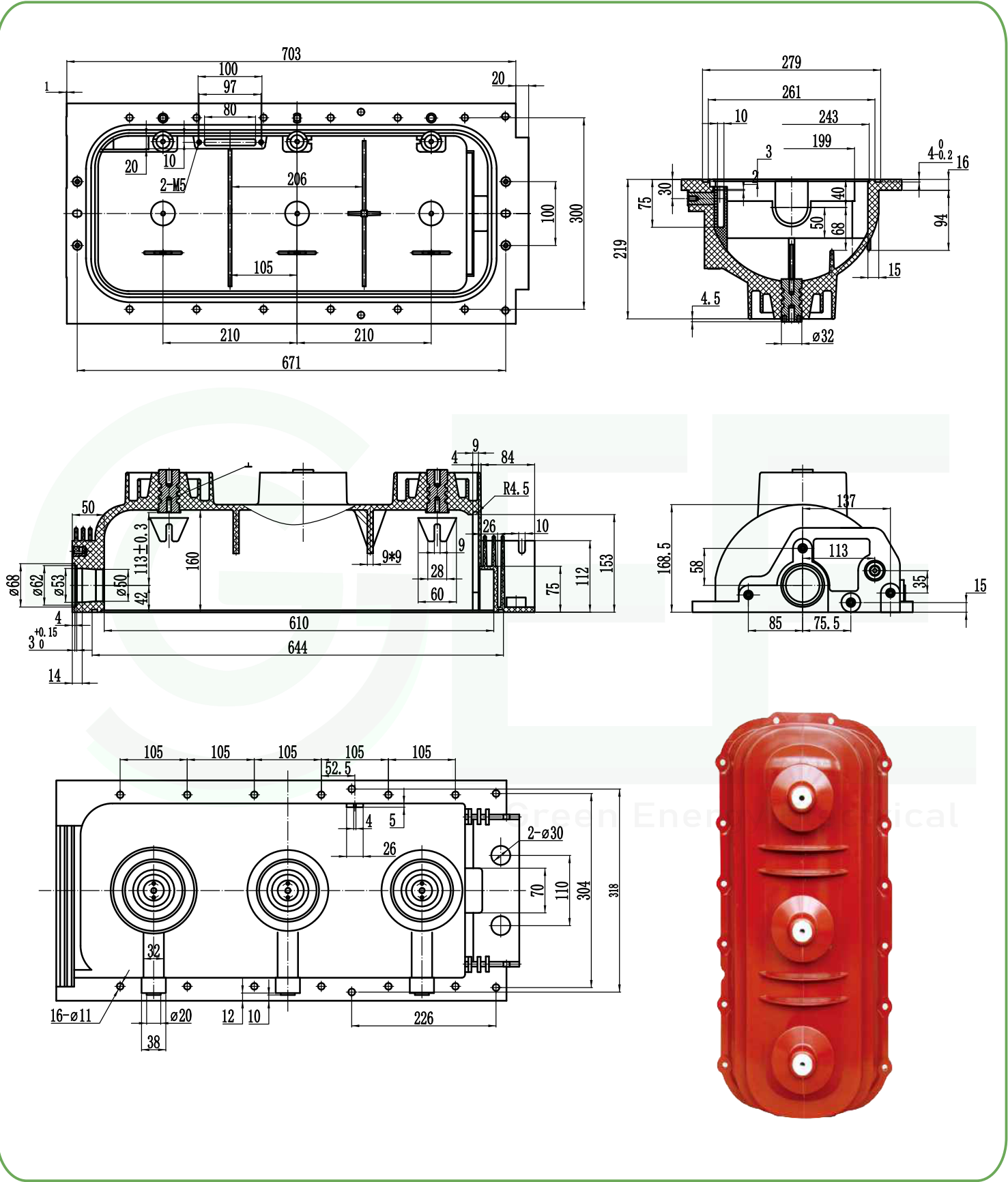
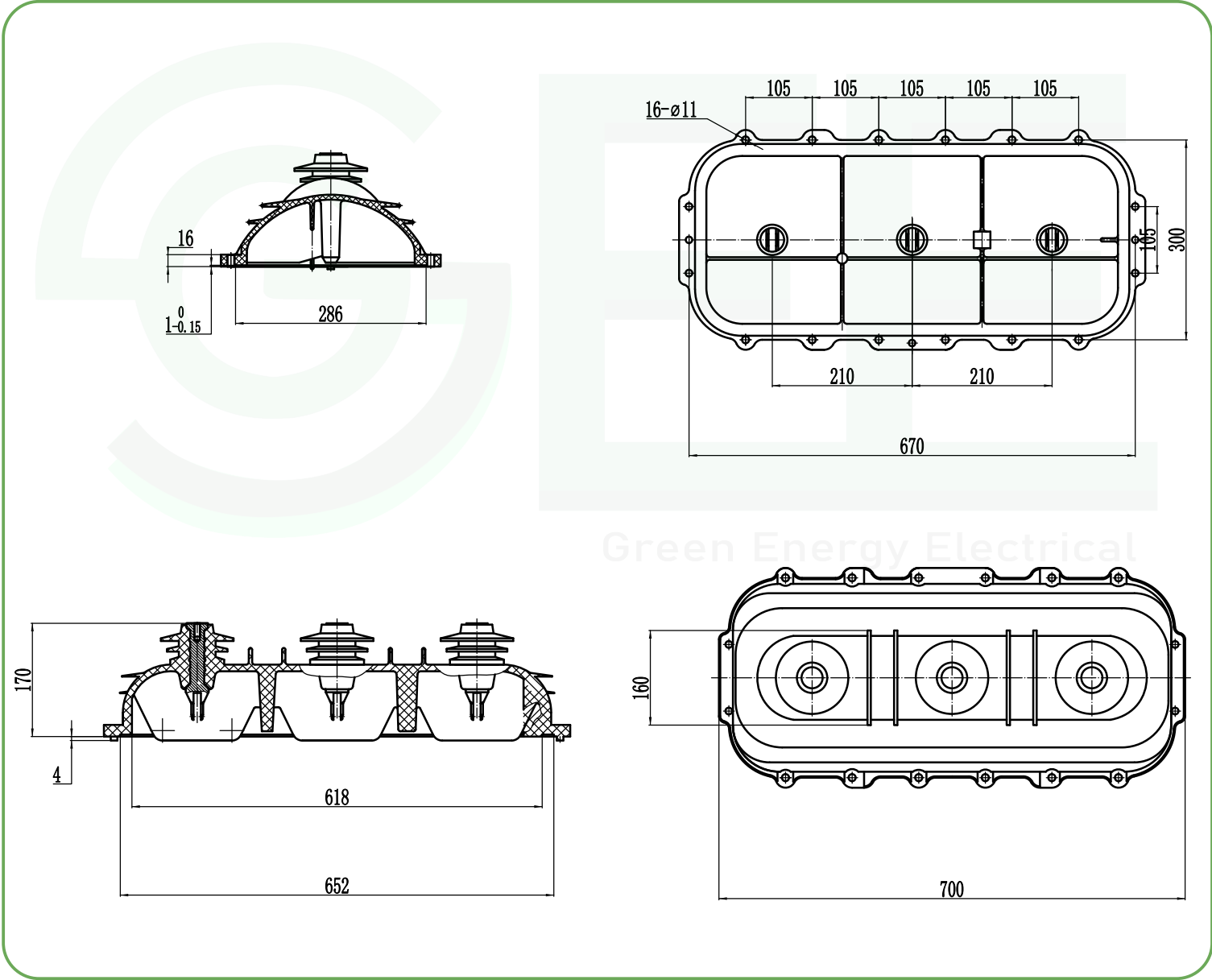


SF6 load break switch

FLN36-12



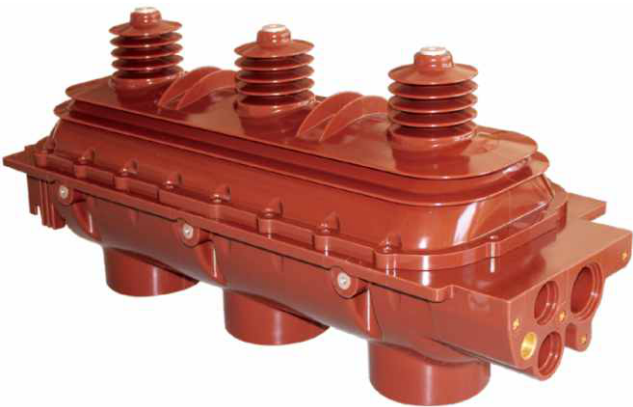
Outline and Installation Dimensions



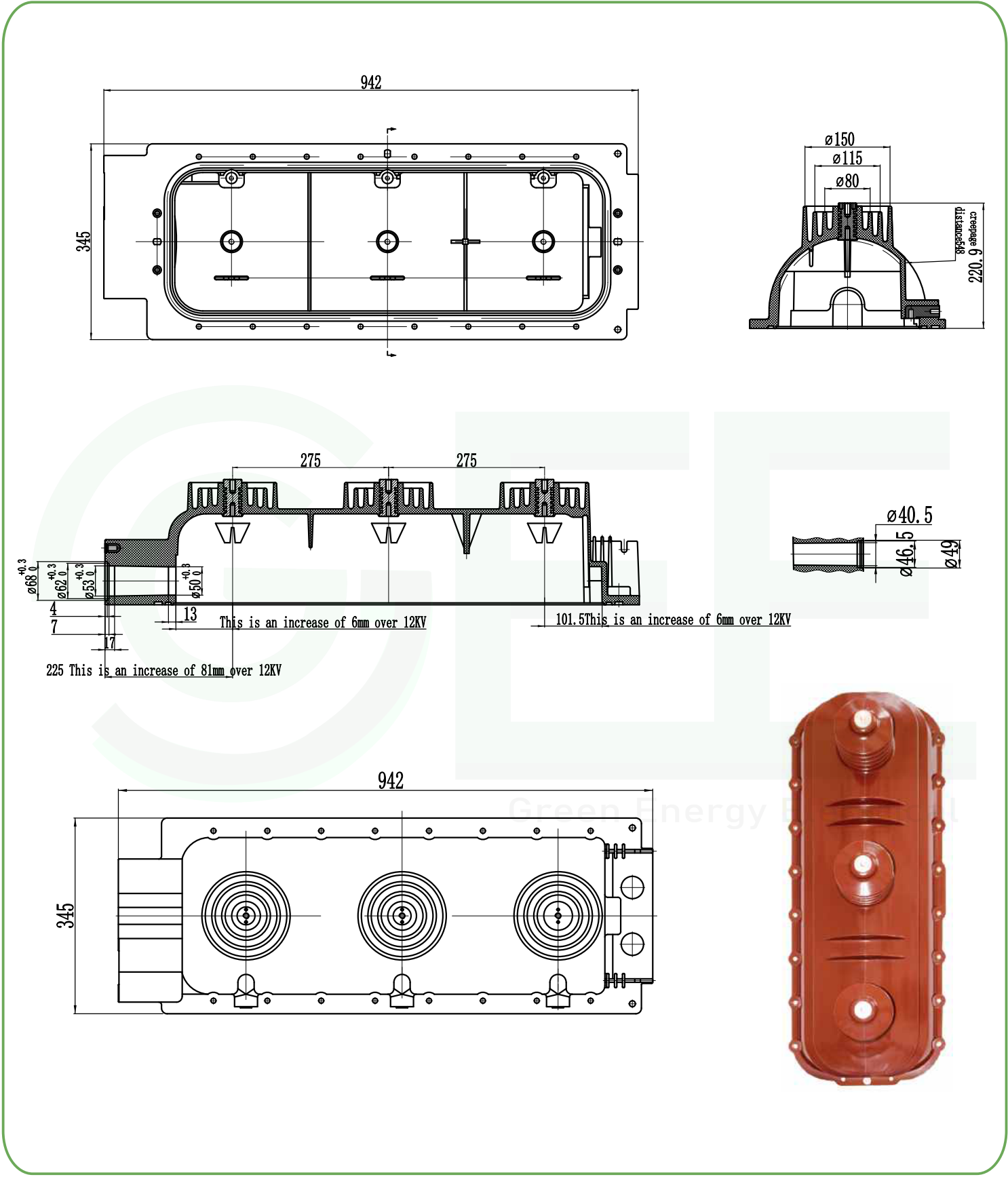
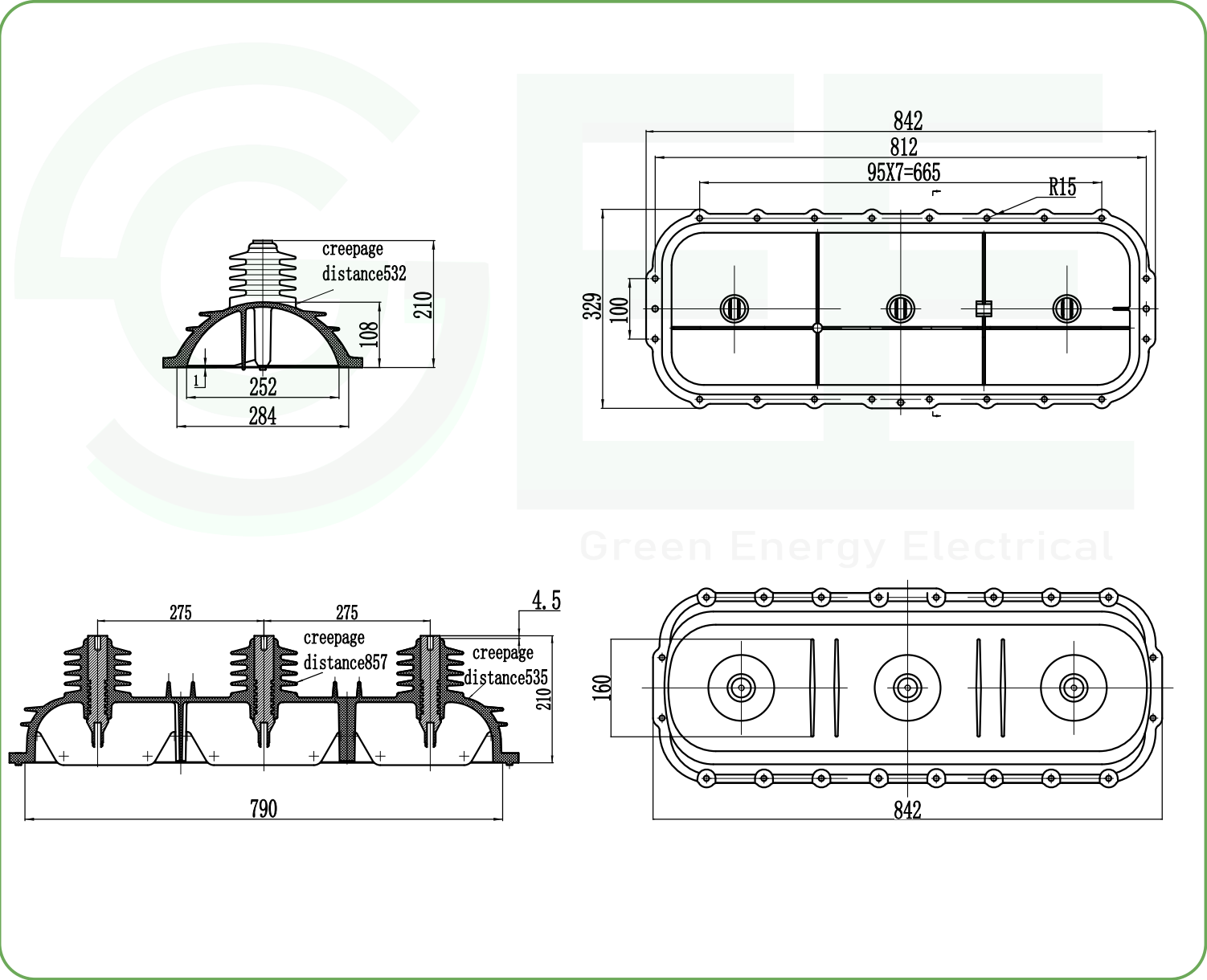
Load Break Switch

SF6 load break switch

FLN36-24



Outline and Installation Dimensions



Load Break Switch

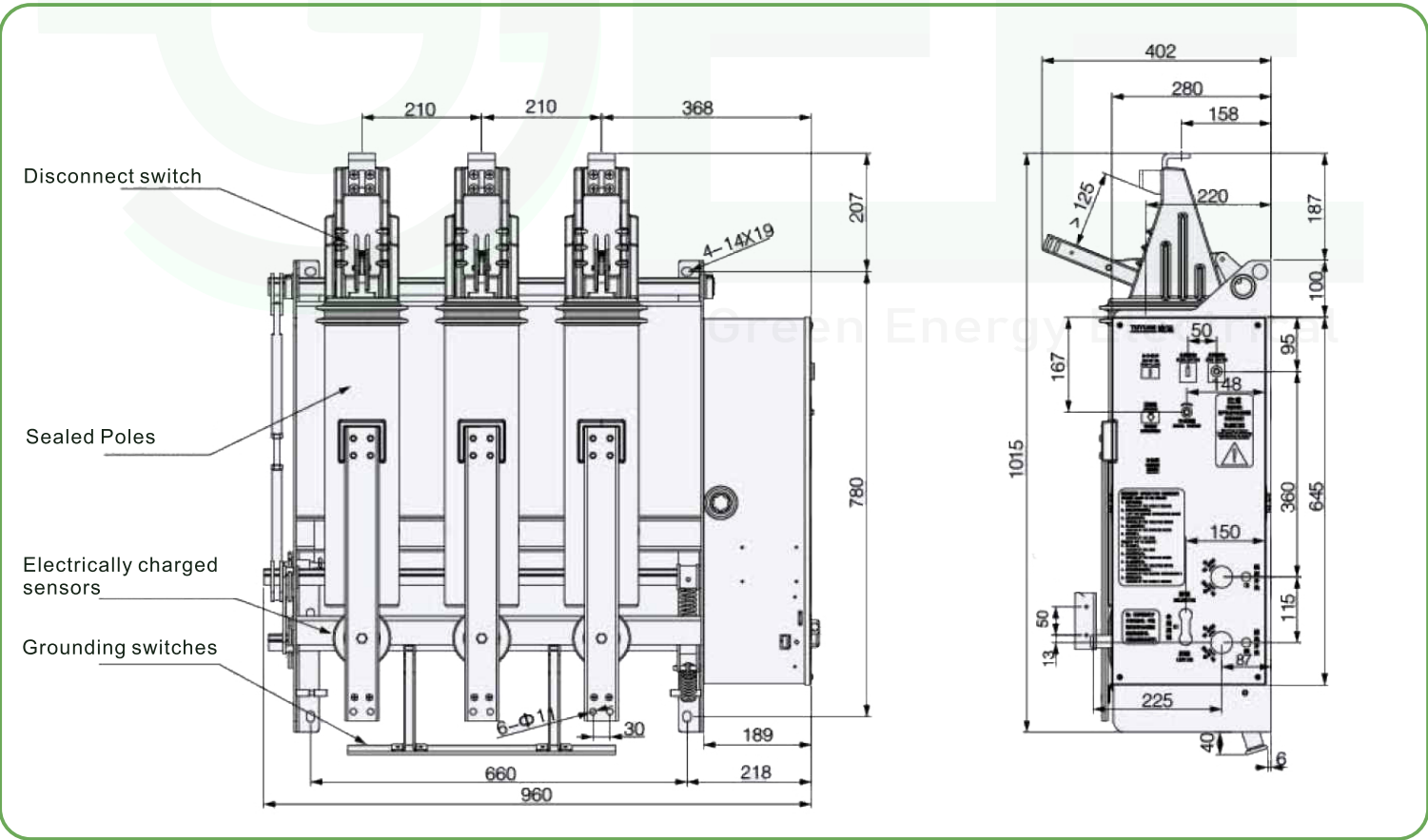


Indoor vacuum load switch

ZNF-12GD(R)



Outline and Installation Dimensions



Main Technical Parameter

Contents		Units	Parameters
Rated Voltage		kV	12
Rated insulation level	Industrial frequency withstand voltage (1min)	kV	42
	Lightning impulse withstand voltage		75/85
Rated current		A	630/1250
Rated frequency		Hz	50/60
Rated short-circuit breaking current		kA	20 25 31.5
Rated dynamic stability current		kA	50 63 80
Rated thermal stability current		kA	20 25 31.5
Rated thermal stability time		s	4
Rated short-circuit breaking current DC minute star		%	38
Rated short-circuit breaking current		time	50
Heterophase ground fault breaking capacity		kA	17.4
Operation sequence			O-0.3s-CO-180s-CO
Closing time		ms	≤40-55
Breaking time		ms	≤27-35
Rated Breaking Time		ms	<50
Mechanical life of circuit breaker		time	10000
Auxiliary circuit rated voltage		DC	220 110 48
Maximum power consumption of auxiliary circuit		VA	100
Disconnecting switch life		time	3000
Grounding switch life		time	3000
Weight		KG	120

Load Break Switch



Indoor vacuum load switch

FZN64-12/630/20

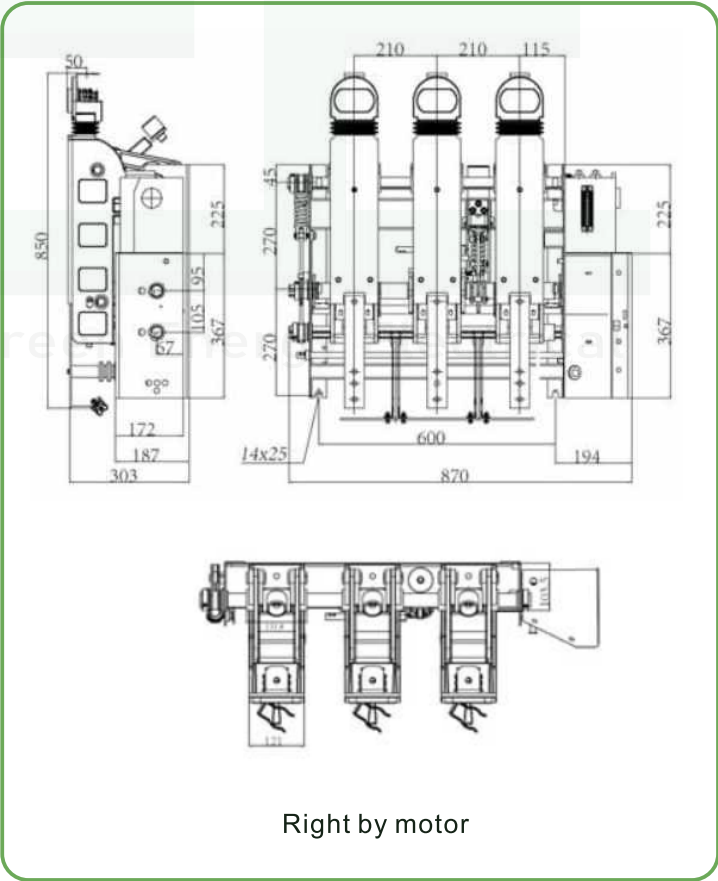
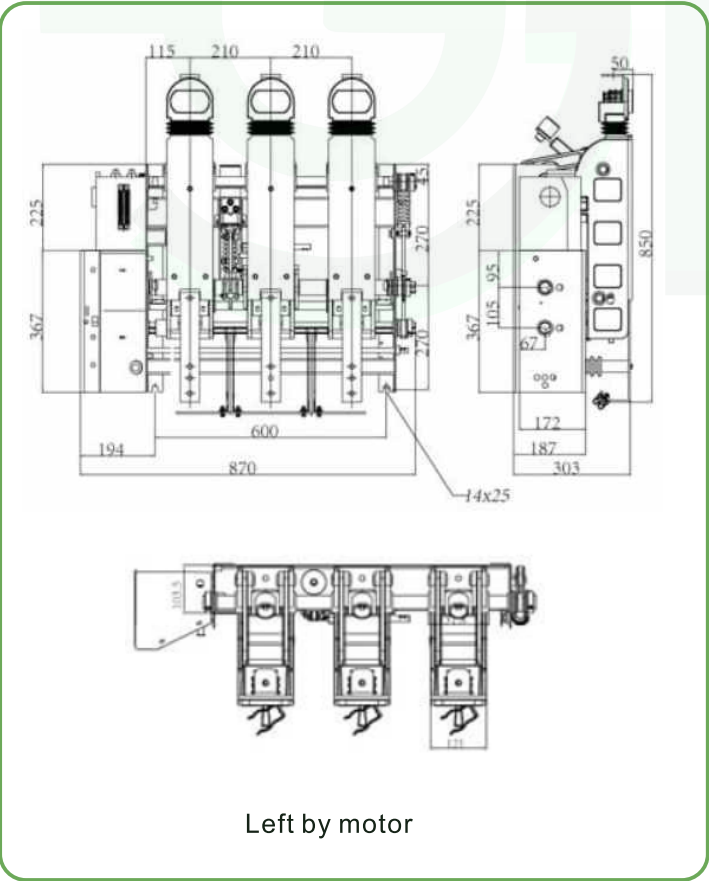
Manual

FZN64-12D/630/20

Electric



Outline and Installation Dimensions



Main Technical Parameter

Contents		Units	Parameters	
			FZN64-12D	FZRN64-12D
Rated voltage		kV	12	
Rated frequency		Hz	50	
Rated current		A	630	125
Rated insulation level	Voltage withstand 1min power frequency	kV	Arc extinguishing chamber fracture 30; To the ground, interphase 42; Isolation fracture 48	
	Lightning shock withstand voltage	kV	To the ground, phase 75; Isolation fracture 85	
Rated dynamic stability current (peak)		kA	50	
4S heat stabilized current		kA	20	
Rated active load breaking current		A	630	125
Rated closed-loop breaking current		A	630	125
Rated cable charging break current		A	10	10
Turn off the no-load transformer capacity		KVA	1250	1250
Rated short circuit breaking current		kV		31.5
Rated transfer current, rated transfer current		A		2000
Fuse type				SDLAJ-12 SFLAJ-12
Impactor outputs energy		J		2-5(medium)
Rated short circuit closing current		kA	50	
Ground switch rated dynamic stable current		kA	50	
2S thermal stability current of the ground switch		kA	20	
Rated voltage of the auxiliary circuit		V	AC/CD 220/110	
Mechanical life		time	10000	

Load Break Switch



Air load switch

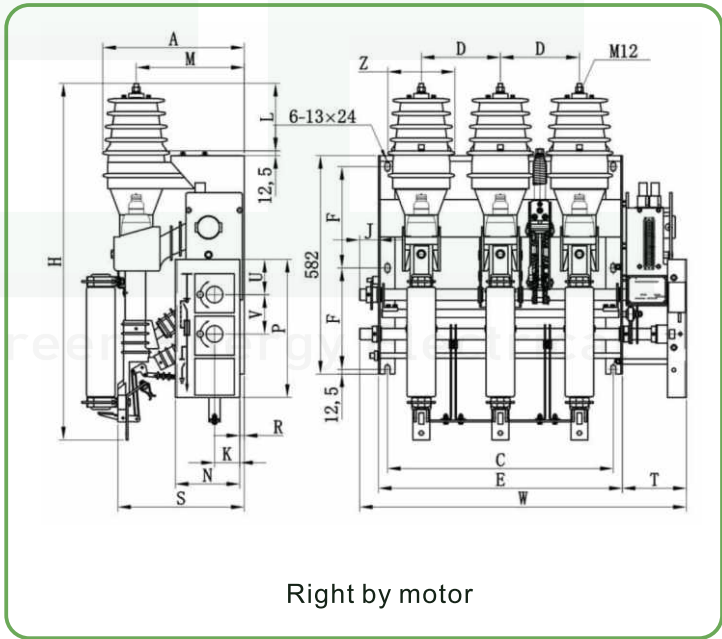
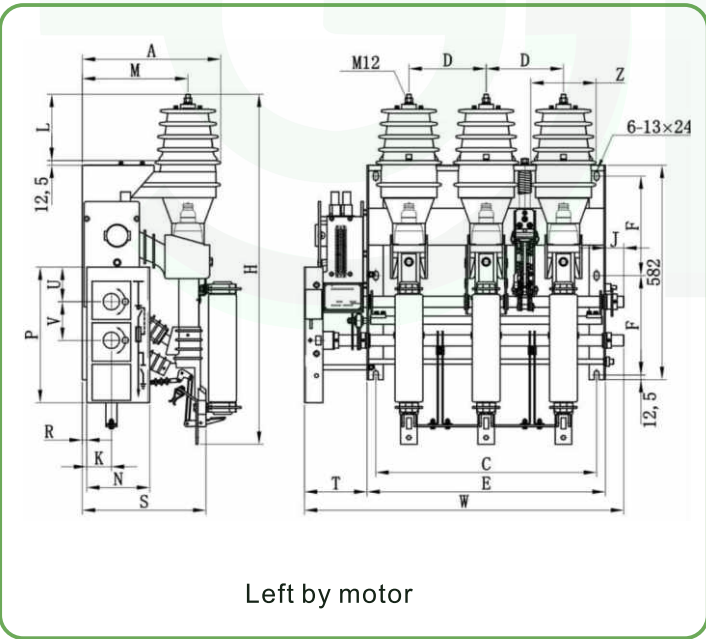
FKN12A-12D

FKRN12A-12D

(R:Fuse protection)



Outline and Installation Dimensions



A	H	C	D	E	F	K	J	L	M	N	P	R	S	T	U	V	W	Z	75 KG
376	940	600	210	648	270	67	50	155	287	171	368	11	337	170	94	105	868	180	

Main Technical Parameter

Contents		Units	FKN12-12D/6 30-20	FKRN12-12D/1 25-31.5
Rated voltage		kV	12	12
Rated frequency		Hz	50	50
Rated current		A	630	125
1min power frequency withstand voltage (Phase to earth, between poles, open contacts)	Phase-to-earth, phase-to- phase	kV	42	42
	Isolating fracture		48	48
Rated lightning impulse withstand voltage (Phase to earth, between poles, open contacts)	Phase-to-earth, phase-to- phase	kV	75	75
	Isolating fracture		85	85
Rated short time withstand current (thermal stability current)	Load break switch	kA	20	
	Earth switch		20	
Rated short circuit duration (thermal stability time)	Load break switch	s	4	
	Earth switch		2	
Rated short circuit making current (peak)		kA	50	
Rated breaking current	Active load breaking current	A	630	
	Loop breaking current		630	
	5% active load breaking current		31.5	
	Cable charging current		10	
	No-load transformer capacity	kVA	1250	
Rated short circuit breaking current (limit current fuse)		kA		31.5
Rated transfer current		A		1200
Mechanical life		time	2000	2000
Striker output energy		J		1±0.5

Load Break Switch

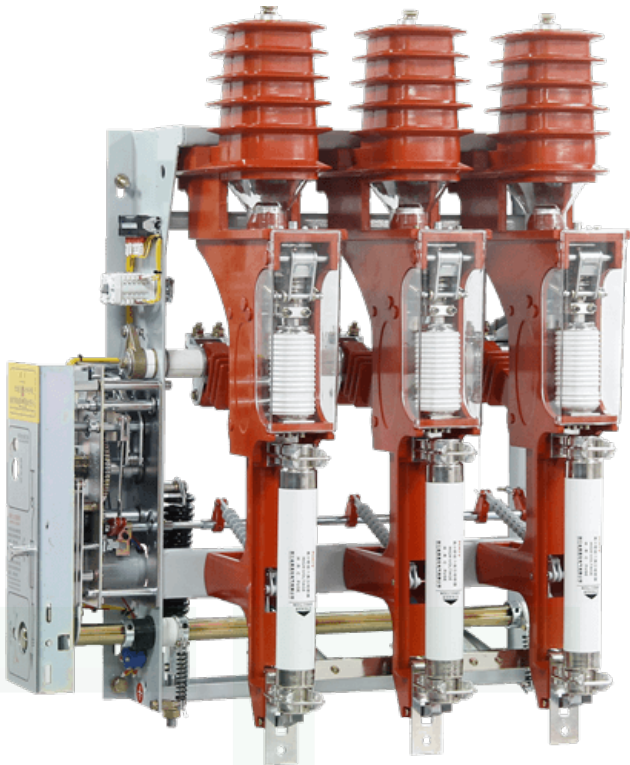


Indoor vacuum load switch

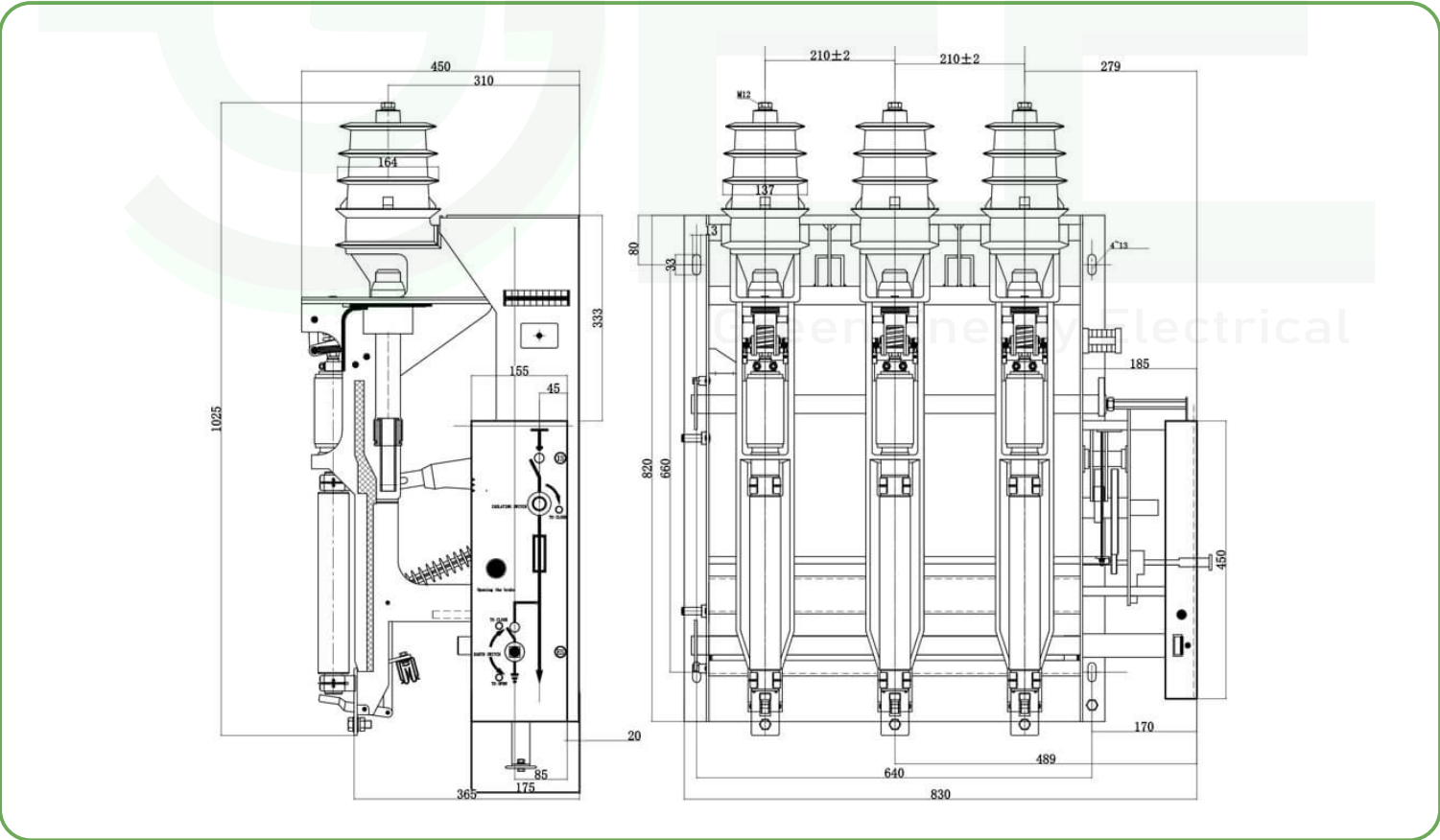
FZN25-12D

FZRN25-12D

(R:Fuse protection)



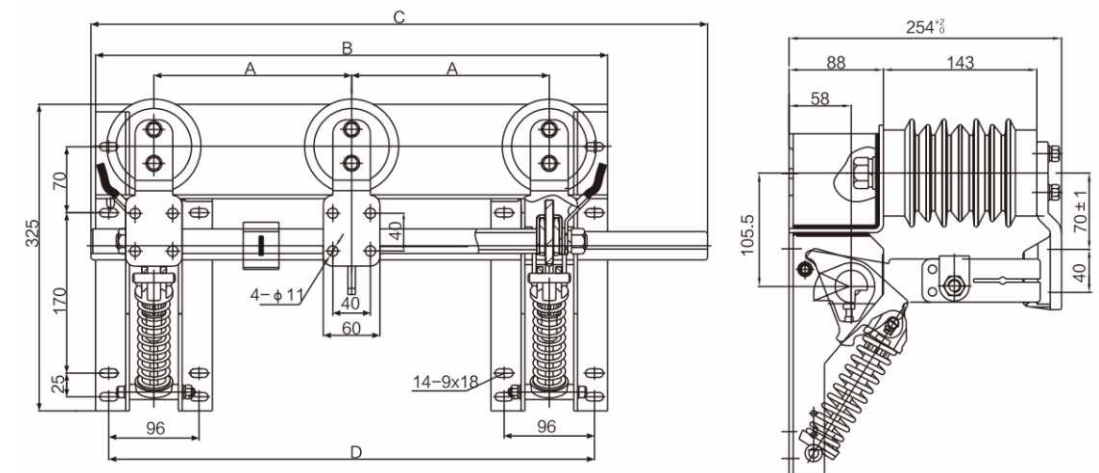
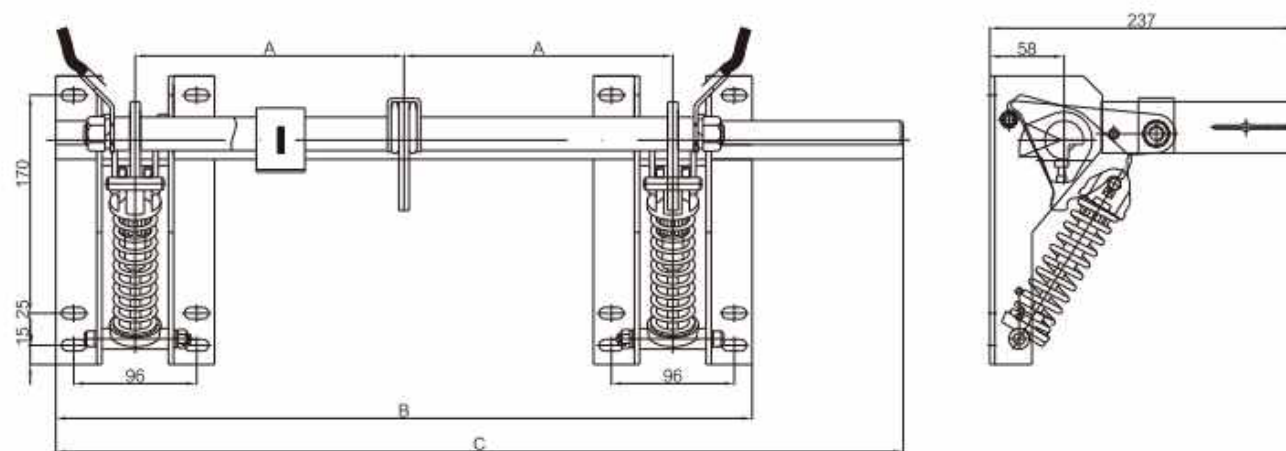
Outline and Installation Dimensions



Main Technical Parameter

Contents		Units	FZN25-12D/T630-20	FZRN25-12D/T125-31.5
Rated voltage		kV	12	12
Rated frequency		Hz	50	50
Rated current		A	630	125
Rated insulation level	Voltage withstand 1min power frequency	kV	Arc extinguishing chamber fracture 30; To the ground, interphase 42; Isolation fracture 48	
	Lightning shock withstand voltage	kV	To the ground, phase 75; Isolation fracture 85	
Rated dynamic stability current (peak)		kA	50	
4S heat stabilized current		kA	20	
Rated active load breaking current			630	125
Rated closed-loop breaking current		A	630	125
Rated cable charging break current		A	10	10
Turn off the no-load transformer capacity		KVA	1250	1250
Rated short circuit breaking current		kA		31.5
Rated transfer current, rated transfer current		A		2000
Fuse type				SDLAJ-12 SFLAJ-12
Impactor outputs energy		J		2-5(medium)
Rated short circuit closing current		kA	50	
Ground switch rated dynamic stable current		kA	50	
2S thermal stability current of the ground switch		kA	20	
Rated voltage of the auxiliary circuit		V	AC/CD:220/110	
Mechanical life		time	10000	

EK6-12/31.5



Earthing Switch

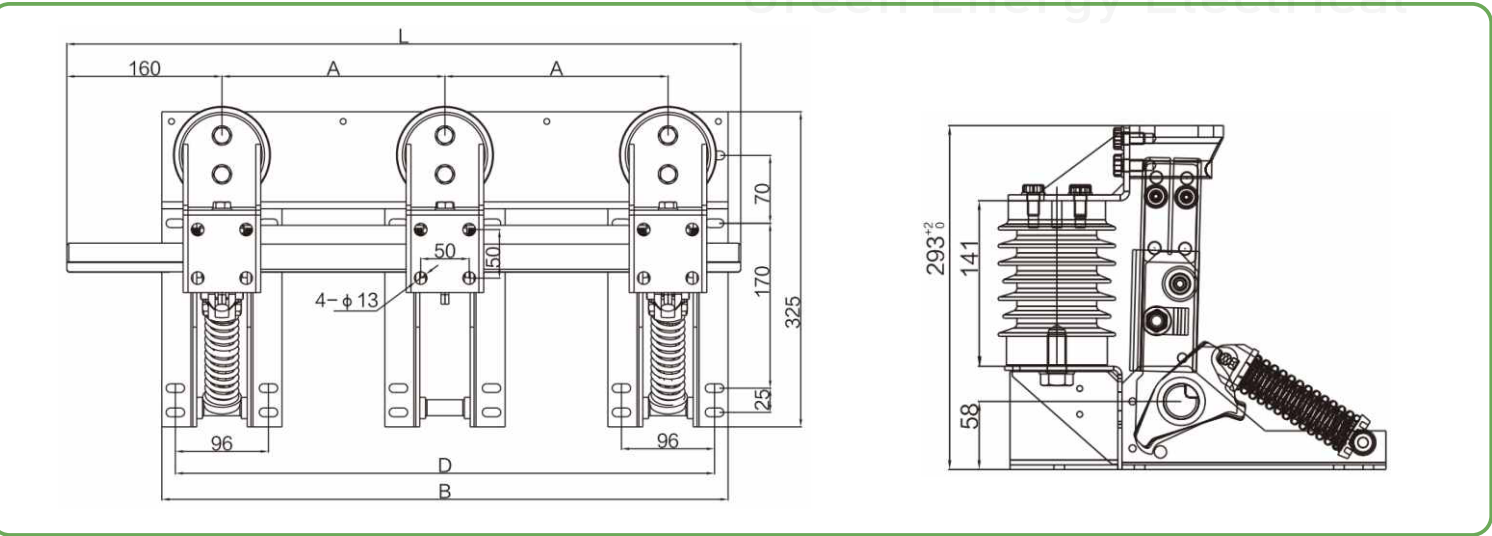
Earthing switch

JN17-12/40

Main Technical Parameter

Contents		Units	Parameters	
Rated Voltage		kV	12	
Rated shori-time withstand current		kA	40	
Rated short-circuit duration		s	4	
Rated short-circuit closing current		kA	100	
Rated peak withstand current		kA	100	
Rated insulation level	Rated short-time frequency withstand voltage (Imin)	kV	Phase-to-ground and phase-to-phase	42
	Rated lightning impulse withstand voltage(peak)			75
Mechanical life		time	3000	

Outline and Installation Dimensions



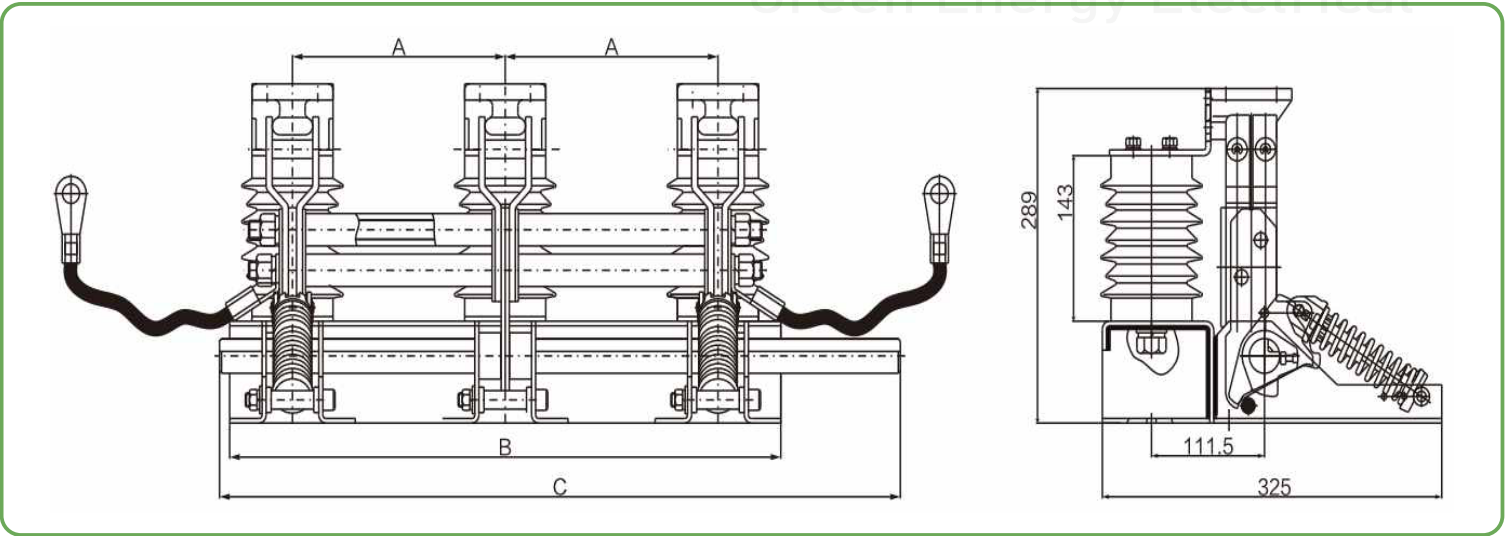
Earthing switch

JN15-12/50

Main Technical Parameter

Contents		Units	Parameters	
Rated Voltage		kV	12	
Rated shori-time withstand current		kA	50	
Rated short-circuit duration		s	2	
Rated short-circuit closing current		kA	125	
Rated peak withstand current		kA	125	
Rated insulation level	Rated short-time frequency withstand voltage (Imin)	kV	Phase-to-ground and phase-to-phase	42
	Rated lightning impulse withstand voltage(peak)			75
Mechanical life		time	3000	

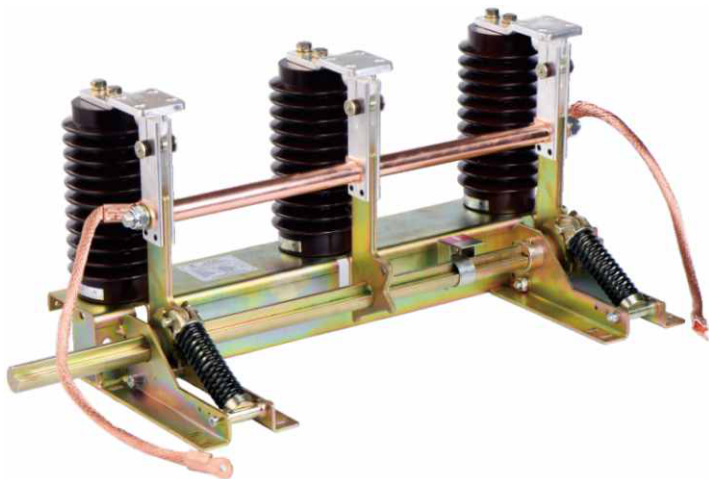
Outline and Installation Dimensions



Earthing Switch

Earthing switch

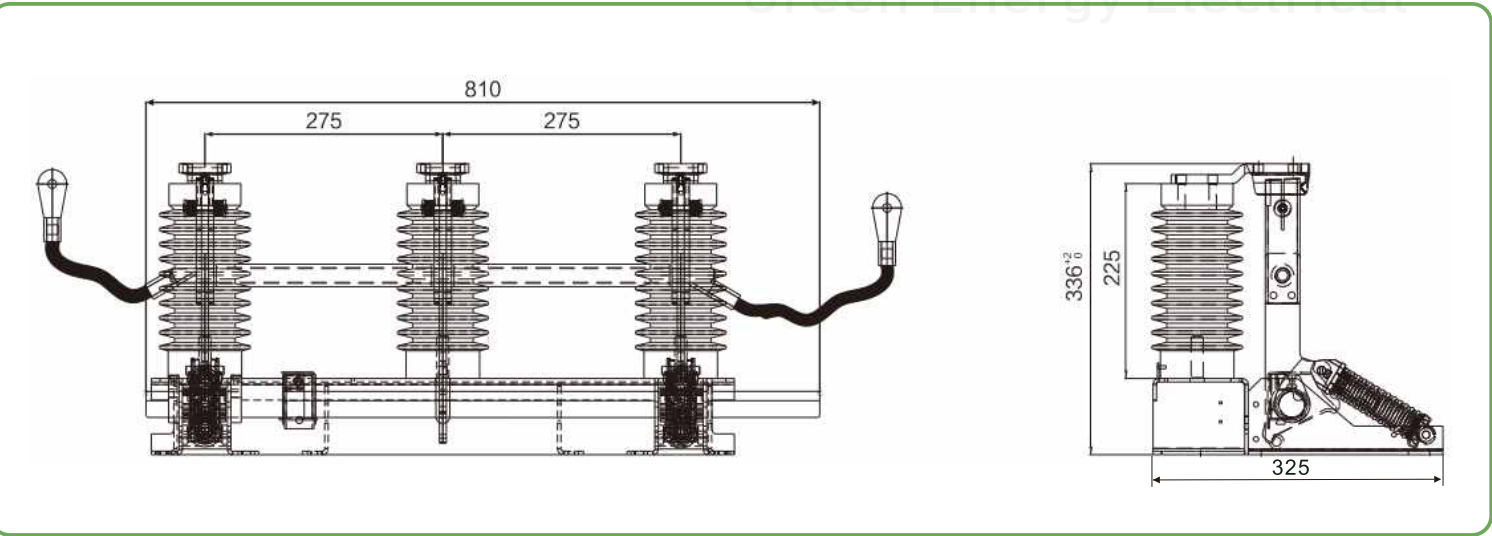
JN15-24/31.5



Main Technical Parameter

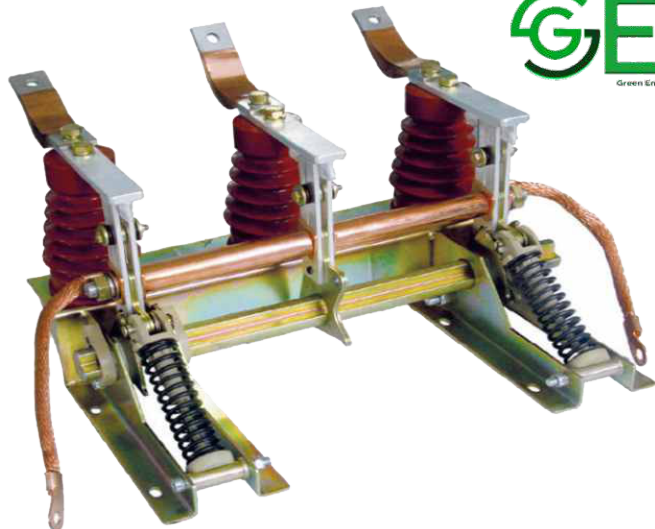
Contents		Units	Parameters	
Rated Voltage		kV	24	
Rated shori-time withstand current		kA	21.5	
Rated short-circuit duration		s	4	
Rated short-circuit closing current		kA	80	
Rated peak withstand current		kA	80	
Rated insulation level	Rated short-time frequency withstand voltage (Imin)	kV	Phase-to-ground and phase-to-phase	65
	Rated lightning impulse withstand voltage(peak)			125
Mechanical life		time	3000	

Outline and Installation Dimensions



Earthing switch

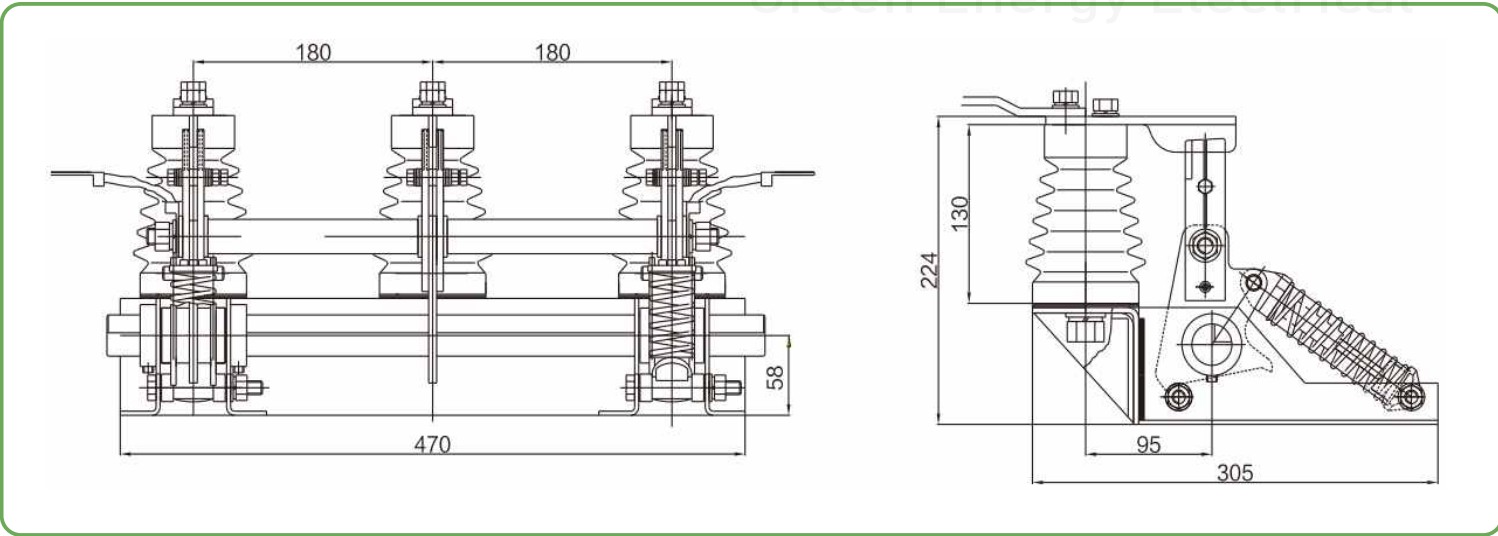
JN-40.5/31.5



Main Technical Parameter

Contents		Units	Parameters	
Rated Voltage		kV	40.5	
Rated shori-time withstand current		kA	31.5	
Rated short-circuit duration		s	2	
Rated short-circuit closing current		kA	80	
Rated peak withstand current		kA	80	
Rated insulation level	Rated short-time frequency withstand voltage (Imin)	kV	Phase-to-ground and phase-to-phase	95
	Rated lightning impulse withstand voltage(peak)			185
Mechanical life		time	3000	

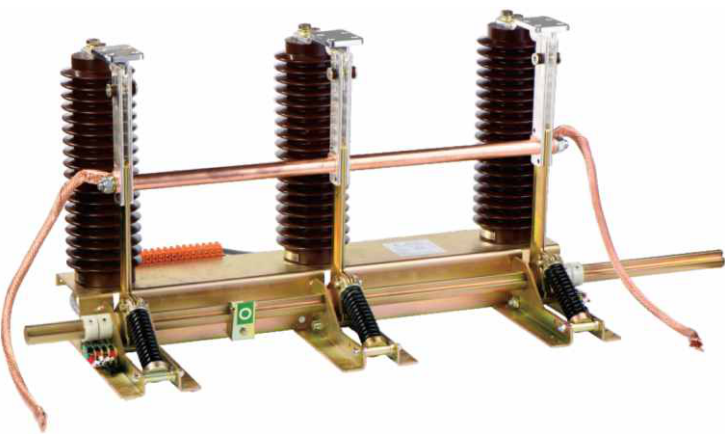
Outline and Installation Dimensions



Earthing Switch

Earthing switch

JN22B-40.5/31.5



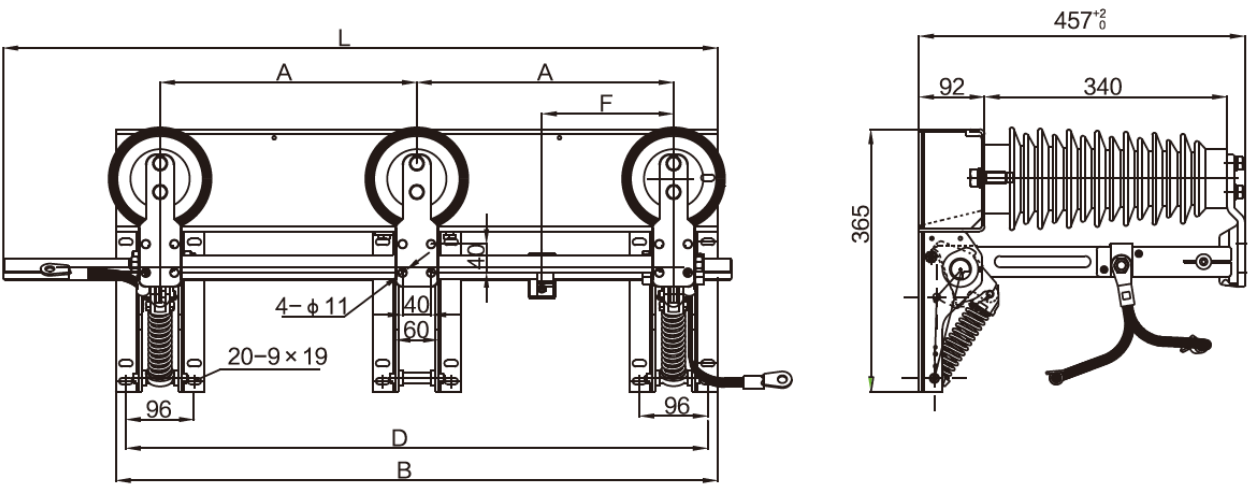
Main Technical Parameter

Contents		Units	Parameters	
Rated Voltage		kV	40.5	
Rated shori-time withstand current		kA	31.5	
Rated short-circuit duration		s	4	
Rated short-circuit closing current		kA	80	
Rated peak withstand current		kA	80	
Rated insulation level	Rated short-time frequency withstand voltage (Imin)	kV	Phase-to-ground and phase-to-phase	95
	Rated lightning impulse withstand voltage(peak)			185
Mechanical life		time	3000	

Configuration Table

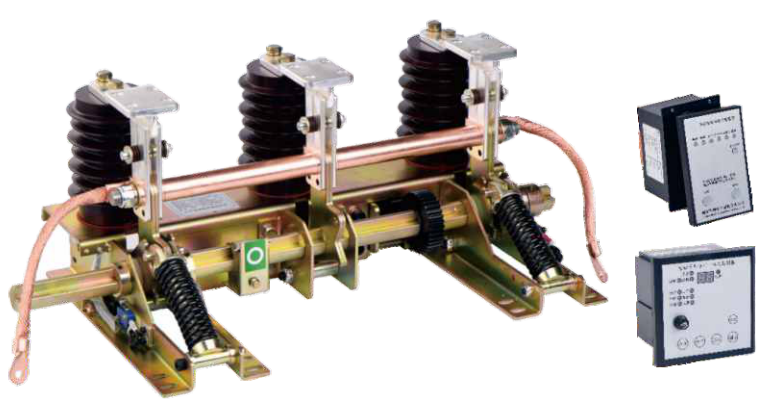
Type	A	B	C	F	L
JN22B-40.5/31.5-300	300	696	724	150	1100
JN22B-40.5/31.5-330	330	756	784	165	1160
JN22B-40.5/31.5-360	360	816	844	180	1200

Outline and Installation Dimensions



Electric earthing switch

JN15-12/D31.5



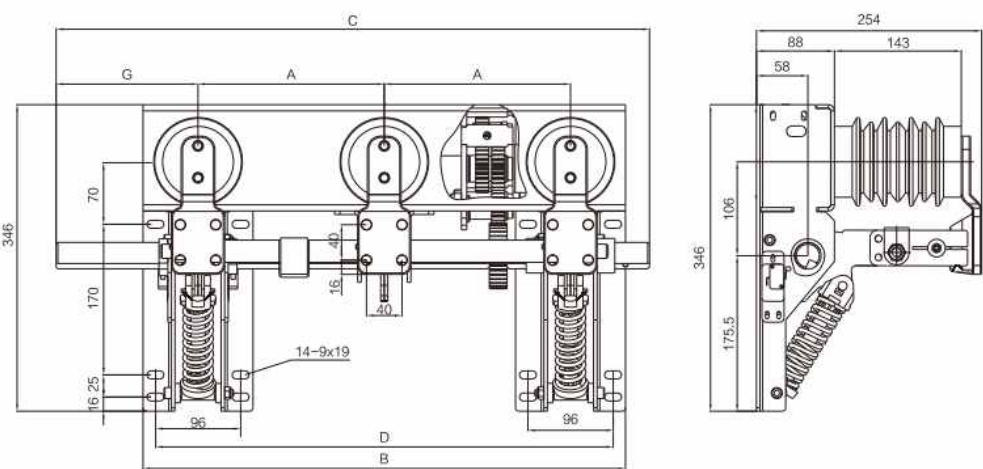
Product Overview

JN15-12/D31.5 electric eathing switch is researched and developed independently by our company with refers to the current state stand and IEC stand, its electric operating mechanism is combined with the earthing switch, and the installation result of the earthing switch is not changed. It has the advantage of a reasonable design, reliable electrical and mechanical properties, and convenient installation and maintenance. At present, it has passed all type of tests in the mechanical industry high-voltage electrical products quality testing center

Configuration Table

Type	A	B	C	D	G
JN15-12/D31.5-210	210	544	670	516	160
JN15-12/D31.5-275	275	674	800	646	160

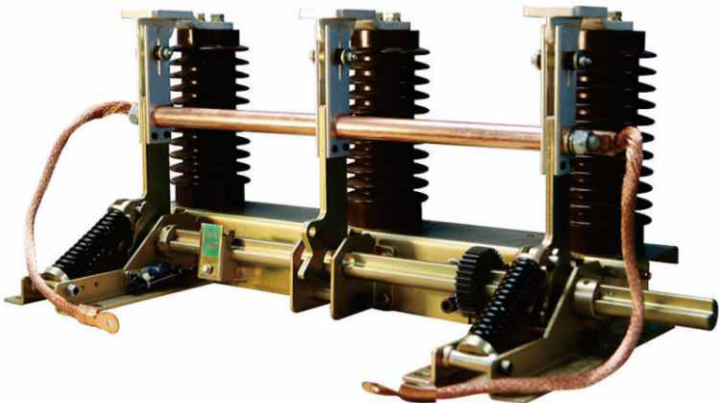
Outline and Installation Dimensions



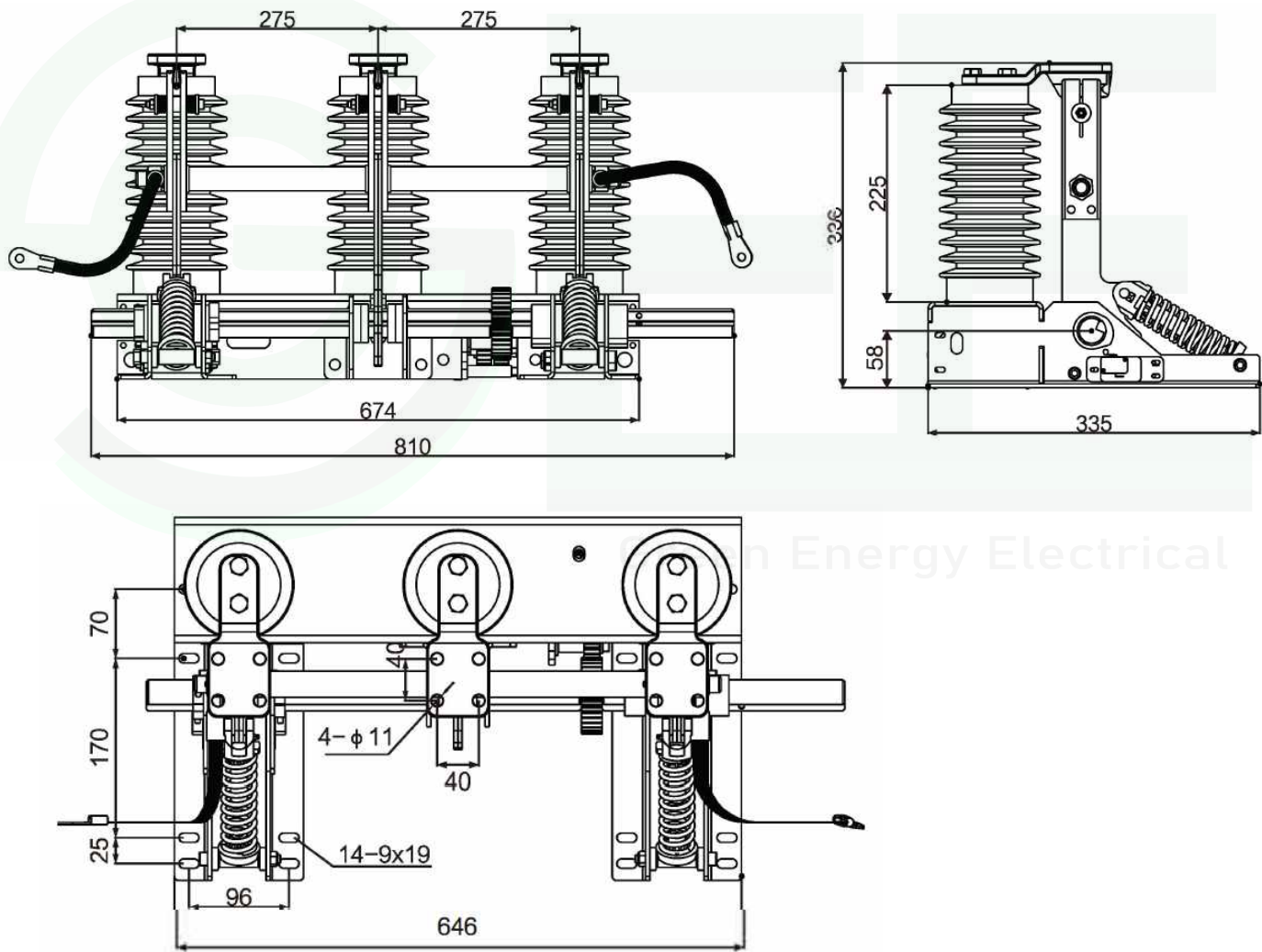
Earthing Switch

Electric earthing switch

JN15-24/D31.5

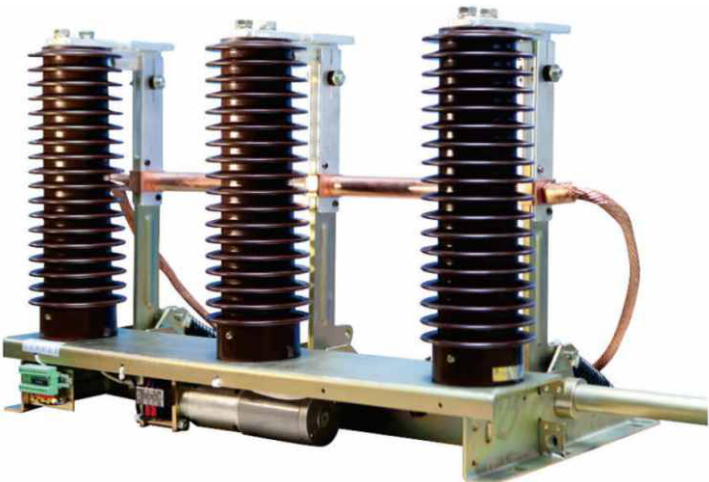


Outline and Installation Dimensions

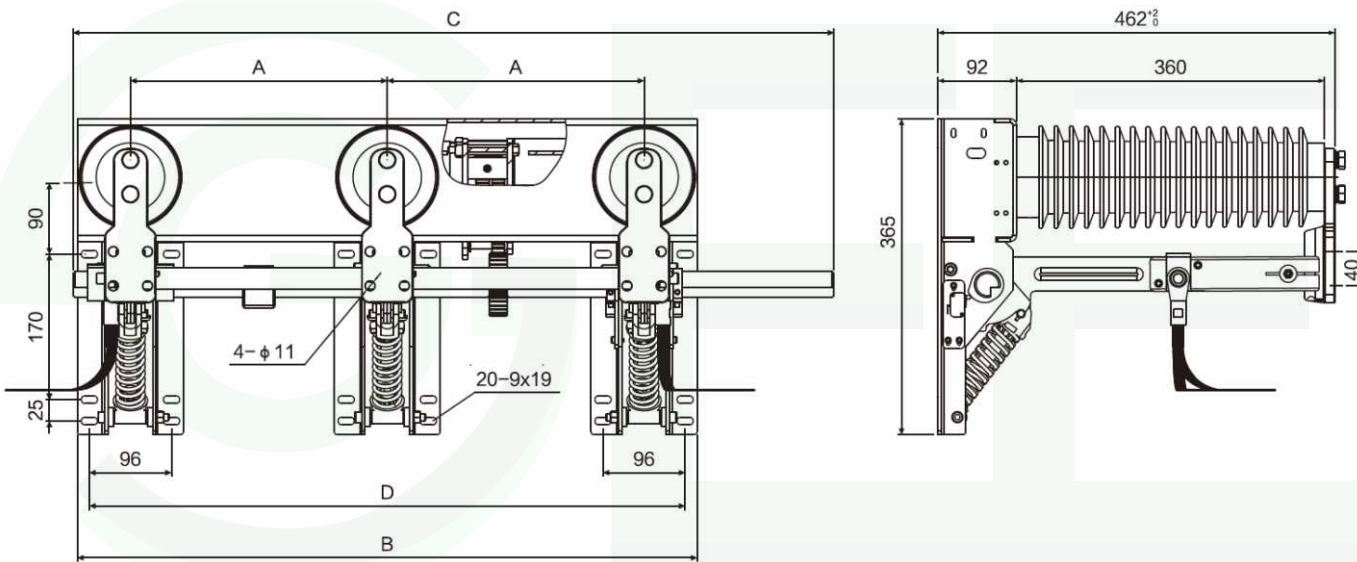


Electric earthing switch

JN22B-40.5/D31.5



Outline and Installation Dimensions



Type	A	B	C	D
JN22B-40.5/D31.5-280	280	684	1060	656
JN22B-40.5/D31.5-300	300	724	1100	696
JN22B-40.5/D31.5-350	350	824	1200	796