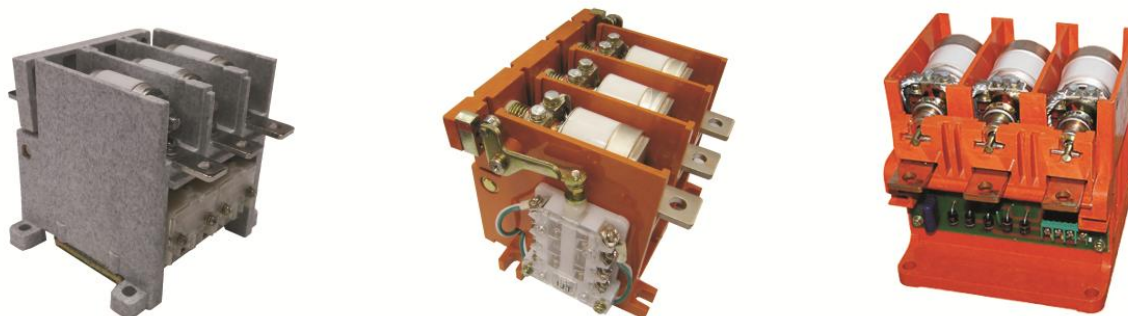


HVJ5-1.14 交流真空接触器 AC VACUUM CONTACTOR



概述 General

HVJ5-1.14系列接触器(CKJ5-1.14)主要用于交流50Hz,额定工作电压至1140V, 额定工作电流至1000A的电力系统中供远距离接通和分断电路及频繁地起动和控制交流电动机之用, 适宜与各种保护装置组成电磁起动器, 特别适于组成防爆电磁起动器。

HVJ5-1.14 AC vacuum contactor is designed for long-distance making and breaking of circuit, frequent starting and controlling of AC motors in the power systems, with AC 50Hz-60Hz, rated voltage of 1140V and rated current 63A to 1000A. It also can be equipped with thermal relay and all kinds of protection apparatus like electromagnetic starter, especially applied to explosion-proof starter and so on.

产品参数 Main technical parameter

Product model 型号	Rated voltage (V) 额定电压(工频)V		Rated current (Main circuit) A 额定电流 (主电路)	Main contacts parameters 主触头参数			Power frequency withstand voltage V(effective value) 工频耐压V (有效值)		
	Main circuit 主电	Control circuit 控制电路		Opening distance 开距 (mm)	Over travel 超程 (mm)	Final pressure 终压力 (N)	Main circuit 主电路	Auxiliary circuit 辅助电路	Control circuit 控制电路
HVJ5-1.14/63B	1140	36.110.220.380	63	1.8±0.2	0.8±0.2	25±3	4200	2500	2000
HVJ5-1.14/80B	1140	36.110.220.380	80	1.8±0.2	0.8±0.2	25±3	4200	2500	2000
HVJ5-1.14/125	1140	36.110.220.380	125	1.8±0.2	1±0.2	30±3	4200	2500	2000
HVJ5-1.14/160	1140	36.110.220.380	160	1.8±0.2	1±0.2	30±3	4200	2500	2000
HVJ5-1.14/250	1140	36.110.220.380	250	2±0.2	1±0.2	30±3	4200	2500	2000

Product model 产品型号	Making capacity 接通能力	Breaking capacity 分断能力	Limit breaking current 极限分断电流(A)	Electricity life times 电寿命次数		Mechanical life times 机械寿命次数	Overload capacity 过载能力
				AC3	AC4		
HVJ5-1.14/63B	10Ie,100times	8Ie,25 times	2000,3 times	60*10 ⁴	6*10 ⁴	300*10 ⁴	8Ie 10S
HVJ5-1.14/80B	10Ie,100times	8Ie,25 times	2000,3 times	60*10 ⁴	6*10 ⁴	300*10 ⁴	8Ie 10S
HVJ5-1.14/125	10Ie,100times	8Ie,25 times	2000,3 times	60*10 ⁴	6*10 ⁴	300*10 ⁴	8Ie 10S
HVJ5-1.14/160	10Ie,100times	8Ie,25 times	2000,3 times	60*10 ⁴	6*10 ⁴	300*10 ⁴	8Ie 10S
HVJ5-1.14/250	10Ie,100times	8Ie,25 times	4500,3 times	60*10 ⁴	6*10 ⁴	300*10 ⁴	8Ie 10S

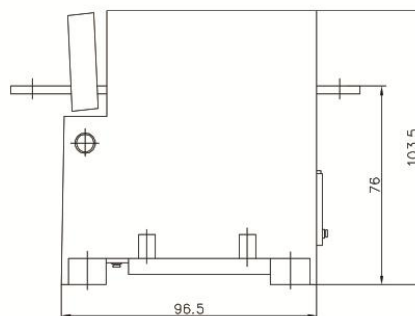
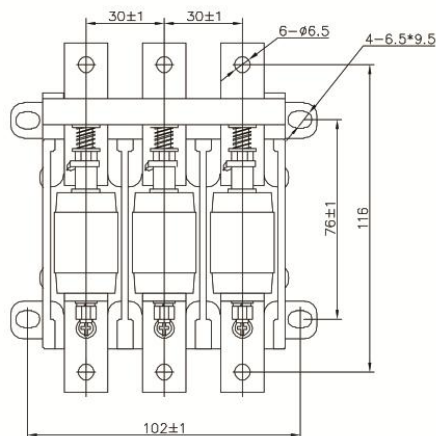
注: Ie为主电路额定电流

Remark: "Ie" is Rated current of main circuit.

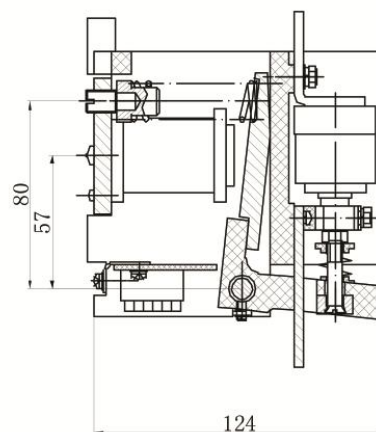
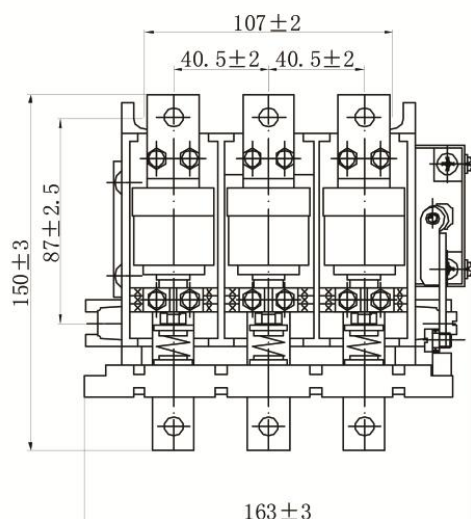
HVJ5-1.14 交流真空接触器 AC VACUUM CONTACTOR

外形及安装尺寸 Overall and installation dimensions

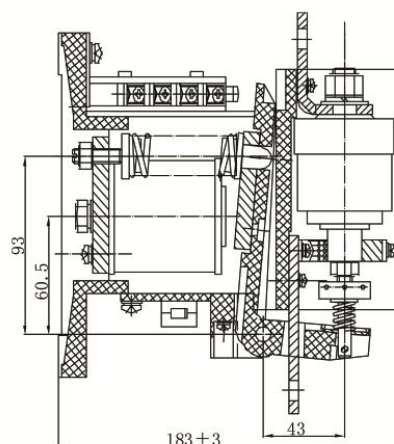
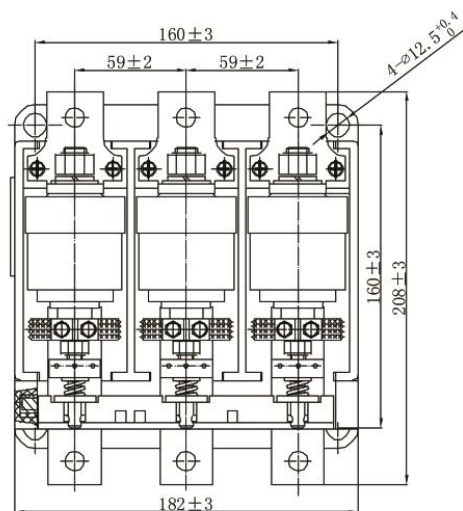
HVJ5-1.14/63B
HVJ5-1.14/80B



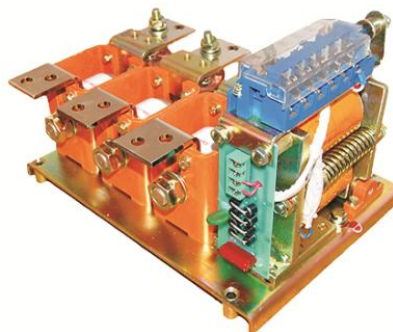
HVJ5-1.14/125
HVJ5-1.14/160



HVJ5-1.14/250



HVJ5-1.14 交流真空接触器 AC VACUUM CONTACTOR



概述 General

HVJ5-1.14系列接触器(CKJ5-1.14)主要用于交流50Hz,额定工作电压至1140V, 额定工作电流至1000A的电力系统中供远距离接通和分断电路及频繁地起动和控制交流电动机之用, 适宜与各种保护装置组成电磁起动器, 特别适于组成防爆电磁起动器。

HVJ5-1.14 AC vacuum contactor is designed for long-distance making and breaking of circuit, frequent starting and controlling of AC motors in the power systems, with AC 50Hz-60Hz, rated voltage of 1140V and rated current 63A to 1000A. It also can be equipped with thermal relay and all kinds of protection apparatus like electromagnetic starter, especially applied to explosion-proof starter and so on.

产品参数 Main technical parameter

Product model 型号	Rated voltage (V) 额定电压(工频)V		Rated current (Main circuit) A 额定电流 (主电路)	Main contacts parameters 主触头参数			Power frequency withstand voltage V(effective value) 工频耐压V (有效值)		
	Main circuit 主电	Control circuit 控制电路		Opening distance 开距 (mm)	Over travel 超程 (mm)	Final pressure 终压力 (N)	Main circuit 主电路	Auxiliary circuit 辅助电路	Control circuit 控制电路
HVJ5-1.14/400	1140	36.110.220.380	400	2±0.2	1±0.2	30±3	4200	2500	2000
HVJ5-1.14/630	1140	36.110.220.380	630	2±0.2	1±0.2	30±3	4200	2500	2000
HVJ5-1.14/800	1140	36.110.220.380	800	2±0.2	1±0.2	30±3	4200	2500	2000
HVJ5-1.14/1000	1140	36.110.220.380	1000	2±0.2	1±0.2	30±3	4200	2500	2000

Product model 产品型号	Making capacity 接通能力	Breaking capacity 分断能力	Limit breaking current 极限分断电流(A)	Electricity life times 电寿命次数		Mechanical life times 机械寿命次数	Overload capacity 过载能力
				AC3	AC4		
HVJ5-1.14/400	10Ie,100times	8Ie,25 times	4500,3 times	60*10 ⁴	2*10 ⁴	300*10 ⁴	8Ie 10S
HVJ5-1.14/630	10Ie,100times	8Ie,25 times	6300,3 times	60*10 ⁴	1.5*10 ⁴	300*10 ⁴	8Ie 10S
HVJ5-1.14/800	10Ie,100times	8Ie,25 times	8000,3 times	60*10 ⁴	1.5*10 ⁴	300*10 ⁴	8Ie 10S
HVJ5-1.14/1000	10Ie,100times	8Ie,25 times	10000,3 times	60*10 ⁴	1.5*10 ⁴	300*10 ⁴	8Ie 10S

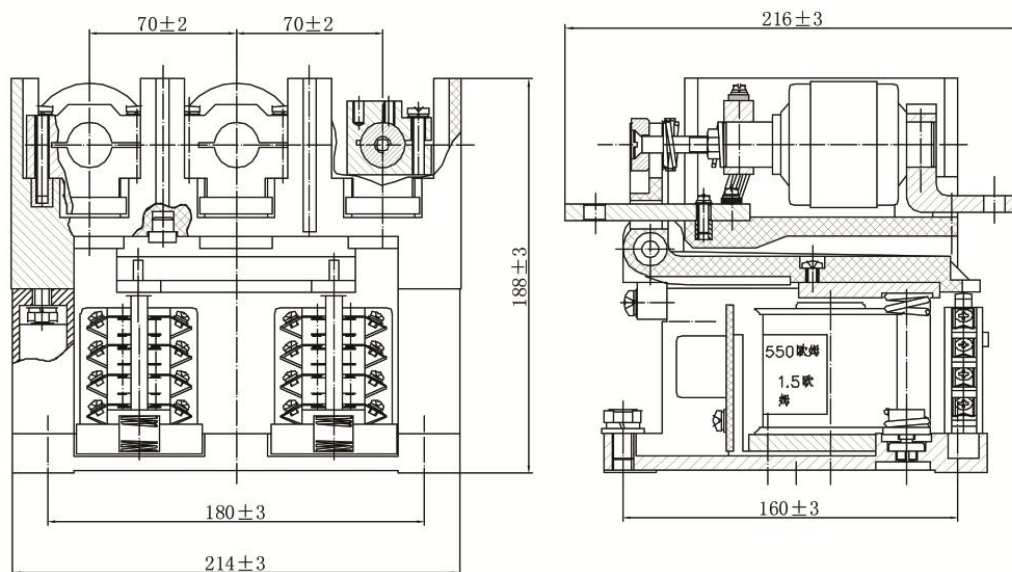
注: Ie为主电路额定电流

Remark: "Ie" is Rated current of main circuit.

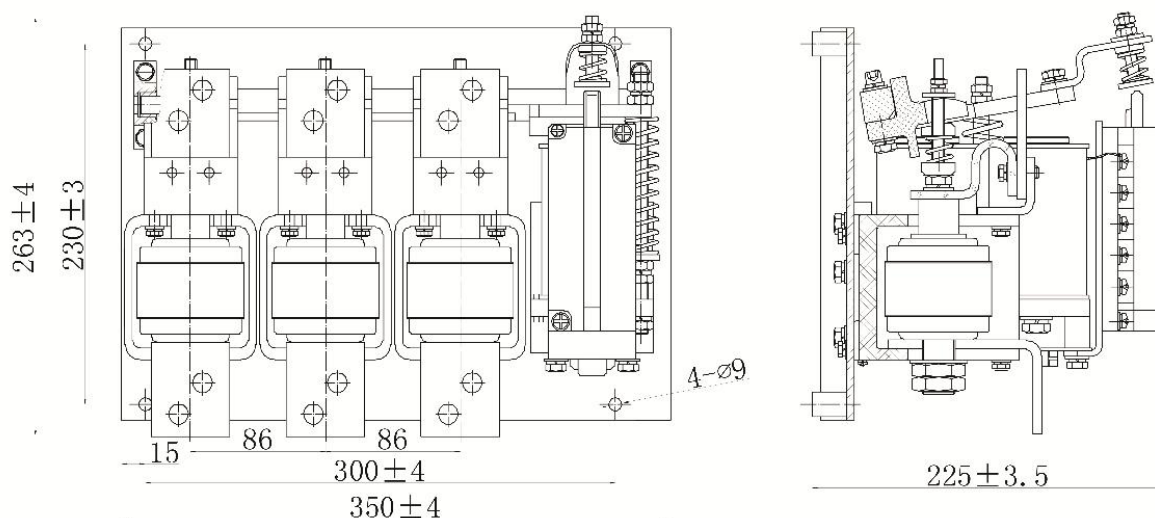
HVJ5-1.14 交流真空接触器 AC VACUUM CONTACTOR

外形及安装尺寸 Overall and installation dimensions

HVJ5-1.14/400



HVJ5-1.14/630 HVJ5-1.14/800 HVJ5-1.14/1000



HVJ30-1.14/1000 交流真空接触器 HVJ30-1.14/1250 AC VACUUM CONTACTOR



概述 General

HVJ30-1.14/1000、1250交流真空接触器适用于交流50Hz, 主回路额定电压1140V, 额定电流为1000A-1250A的电网中, 接通与分断及频繁启动控制交流电动机用, 并适宜与各种保护装置(JDB电子综合保护器, JR9型过流保护装置, 阻容吸收装置)组成磁力启动器, 特别适宜组成防爆磁力启动器及大型矿物研磨开关设备上广泛使用。

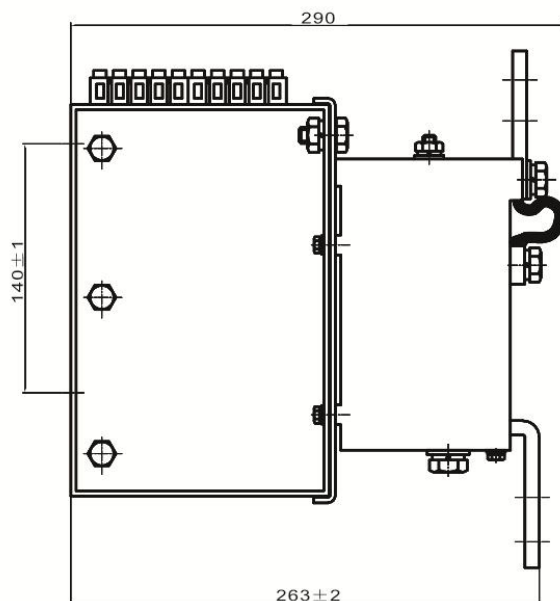
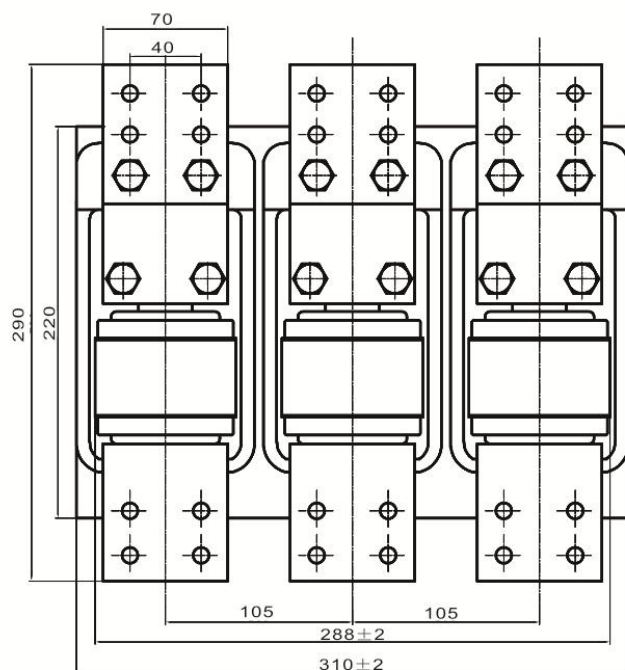
HVJ30-1.14/1000, 1250 series AC vacuum contactor is applicable for AC 50HZ power system of rated voltage 1.14KV and rated current up to 1000 A ~ 1250A to open and close circuit, start and control AC motor frequently. It is suitable for composed magnetic starter with various protective devices (JDB electronic integrated protector, JR9 type over current protection device, resistance-capacitance absorbers). It is particularly suitable for compose a explosion-proof magnetic starter and large mineral switchgear.

产品参数 Main technical parameter

项目 Type	单位 Unit	HVJ30-1. 14/1000	HVJ30-1. 14/1250
主回路额定电压 Rated voltage	KV	1. 14	1. 14
主回路额定电流 Rated current	A	1000	1250
主回路接通能力 Making capacity	A	5000 (100 times)	
主回路通断能力 Breaking capacity	A	4500 (10 times)	
极限分断能力 Limit breaking capacity	A	5000 (3 times)	
电寿命 Electrical life times (AC3)	times	600, 000	
电寿命 Electrical life times (AC4)	times	6, 000	
机械寿命 Mechanical life times	times	1, 000, 000	
额定操作频率 Rated operating frequency (AC3)	times /h	600	
额定操作频率 Rated operating frequency (AC4)	times /h	120	
短时操作频率 Short-time operating frequency (20s)	times /h	1000	
触头开距 Contacts separation	mm	2. 8±0. 1	
超行程 Over travel	mm	1. 0±0. 1	

HVJ30-1.14/1000 交流真空接触器 HVJ30-1.14/1250 AC VACUUM CONTACTOR

外形及安装尺寸 Overall and installation dimensions



HVJ20-2/630 交流真空接触器 HVJ20-2/800 AC VACUUM CONTACTOR



概述 General

HVJ20系列真空接触器主要用于交流50-60Hz, 额定工作电压至2000V的电力系统中, 供远距离接通和分断电路及频繁地启动和控制交流电动机之用, 适用与各种保护装置组成电磁启动器, 特别适用于组成防爆电磁启动器。

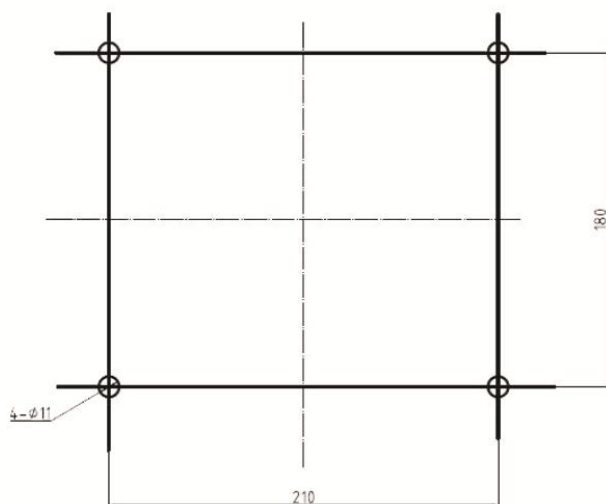
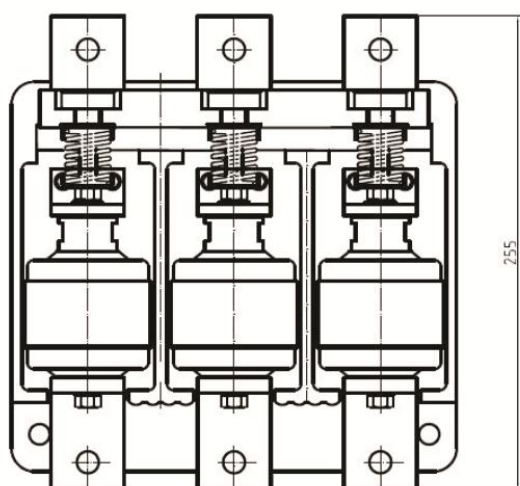
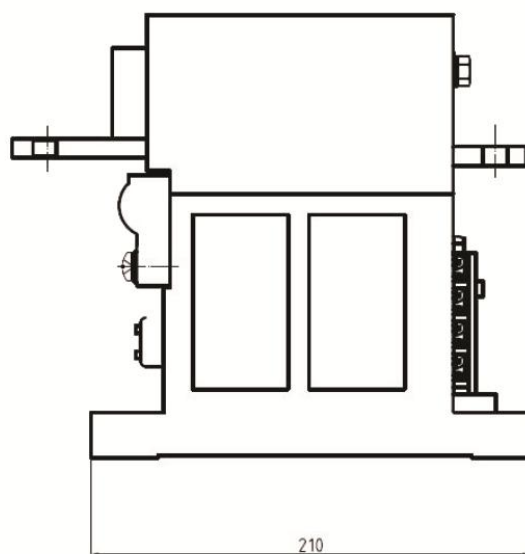
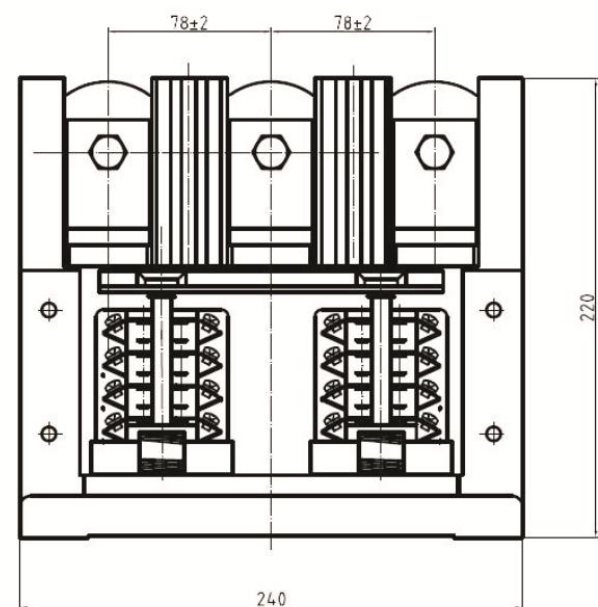
HVJ20 series vacuum contactor has higher rated current, smaller size and anti-dusty advantages. It can be used in AC50 ~ 60Hz, 2KV power system, rated current to 800A, for long distance making-breaking and frequent starting and controlling of AC motor.

产品参数 Main technical parameters

项目 Items	单位 Unit	HVJ20-630	HVJ20-800
主回路额定电压 Main circuit rate voltage	(kV)	2	2
主回路额定电流 Main circuit rate current	(A)	630	800
主回路接通能力 Main circuit making capacity	(A/100 times)	6300	8000
主回路分断能力 Main circuit break-make capacity	(A/10 times)	5000	6300
最小分断能力 Minimum breaking capacity	(A/3 times)	6300	7500
电寿命 Electrical life AC3	(times)	600, 000	600, 000
电寿命 Electrical life AC4	(times)	100, 000	100, 000
机械寿命 Mechanical life	(times)	1, 000, 000	1, 000, 000
额定操作频率 Rated operating frequency AC3	(times /h)	300	300
额定操作频率 Rated operating frequency AC4	(times /h)	120	120
短时操作频率 Short-time operating frequency	times /h (20S)	1200	1200
触头开距 Clearance between open contacts	mm	3±0. 3	3±0. 3
超程 Over travel	mm	≥1	≥1

HVJ20-2/630 交流真空接触器 HVJ20-2/800 AC VACUUM CONTACTOR

外形及安装尺寸 Overall and installation dimensions



HVJ3-7.2 高压交流真空接触器 HIGH VOLTAGE AC VACUUM CONTACTOR



概述 General

HVJ3-7.2型接触器(CKG3-7.2)主要用于交流50Hz, 额定电压至7.2kV的电力系统中, 供接通和分断电路并与适当的保护器组成电磁起动器, F-C柜等。

The vacuum contactor is mainly used in the power system with AC 50Hz and rated voltage 7.2kV, for making or breaking circuit and to make electromagnetic starter with suitable protective device and F-C switchgear.

工作条件:

- 1、海拔高度不超过1000米;
- 2、周围空气温度: 不超过+40℃; 不低于-5℃;
- 3、24小时平均值不超过35℃;
- 4、空气的相对湿度在最高温度为+40℃时不超过50%, 在较低温度下允许有较高的相对湿度;
- 5、污染等级规定为3级。

Working condition:

1. Altitude should not be over 1,000m;
2. Ambient temperature: -5~40℃;
3. Average temperature in 24 hour not exceed 35℃;
4. When the highest temperature is 40℃, the relative humidity should not be higher than 50%;
5. Pollution degree: class 3.

产品参数 Main technical parameters

Product model 型号	Rated voltage (V) 额定电压(工频)V		Rated current (Main circuit) A 额定电流(主电路)	Main contacts parameters 主触头参数			Power frequency Withstand voltage V(effective value) 工频耐压V(有效值)		
	Main circuit 主电	Control circuit 控制电路		Opening distance 开距 (mm)	Over travel 超程 (mm)	Final pressure 终压力 (N)	Main circuit 主电路	Auxiliary circuit 辅助电路	Control circuit 控制电路
HVJ3-7.2/160	7200	380/220/110	160	3.5 ± 0.3	2 ± 0.2	>85N	32000	2500	2000
HVJ3-7.2/250	7200	380/220/110	250	3.5 ± 0.3	2 ± 0.2	>85N	32000	2500	2000
HVJ3-7.2/400	7200	380/220/110	400	3.5 ± 0.3	2 ± 0.2	>85N	32000	2500	2000
HVJ3-7.2/630	7200	380/220/110	630	3.5 ± 0.3	2 ± 0.2	>85N	32000	2500	2000

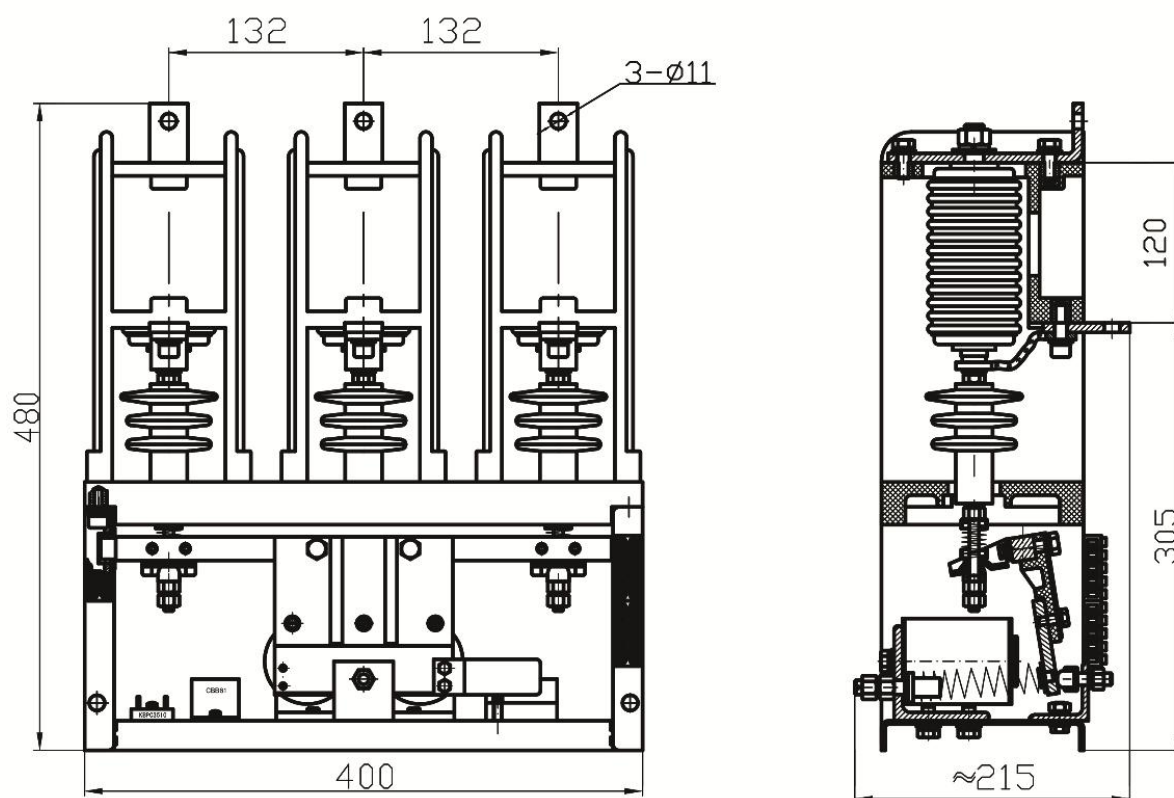
Product model 产品型号	Making capacity 接通能力	Breaking capacity 分断能力	Limit opening current 极限开断电流(A)	Overload 过载能力	Mechanism life 机械寿命	Weight 重量(kg)
HVJ3-7.2/160	10Ie, 100times	8Ie, 25 times	10Ie	8Ie, 10s	1million times	25.5
HVJ3-7.2/250	10Ie, 100times	8Ie, 25 times	10Ie	8Ie, 10s	1million times	25.5
HVJ3-7.2/400	10Ie, 100times	8Ie, 25 times	10Ie	8Ie, 10s	1million times	25.5
HVJ3-7.2/630	10Ie, 100times	8Ie, 25 times	10Ie	8Ie, 10s	1million times	27

注: Ie为主电路额定电流

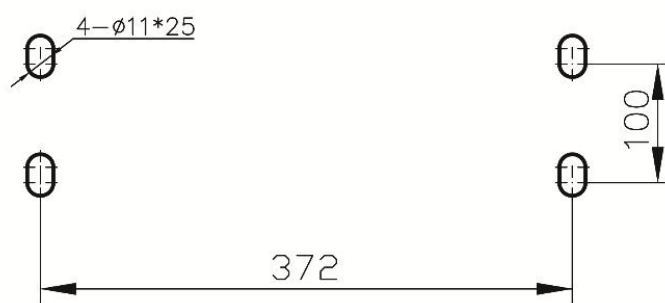
Remark: "Ie" is Rated current of main circuit.

HVJ3-7.2 高压交流真空接触器 HIGH VOLTAGE AC VACUUM CONTACTOR

外形及安装尺寸 Overall and installation dimensions



Installation dimension(安装尺寸图)



HVJ6-7.2 高压交流真空接触器 HIGH VOLTAGE AC VACUUM CONTACTOR



概述 General

HVJ6-7.2系列户内交流高压真空接触器(JCZ5-7.2),分为合闸机械保持和电磁保持两种型式。该接触器适用于三相交流50Hz、额定电压7.2kV额定电流至630A的电力系统中,供远距离接通与分断线路,控制高压电动机、变压器及容性负载等用电设备,尤为适用于各种频繁操作领域。该接触器体积小、重量轻,采用当今国际流行的上下布置的组装式结构,使用维护方便,易于组成F-C回路成套设备。

HVJ6-7.2 series indoor high-voltage AC vacuum contactor has two types: One is Mechanical holding type, the other is Electromagnetic holding type. It is applicable for three-phase AC 50HZ power system of rated voltage 7.2KV and below and rated current up to 630 A to open and close circuit remotely and control electrical equipment like high-voltage motor, transformer and capacitive load. It is especially suitable for fields operated frequently. The contactor uses the international fashionable up and down structure arrangement and has the advantages of small, light, easy to maintain and form a complete set of F-C circuit equipment.

工作条件:

- 1、周围空气温度: 上限+40° C, 下限: -25° C
- 2、海拔不超过2000米;
- 3、湿度: 相对湿度日平均值不大于95%, 月平均值不大于90%;
- 4、水蒸气压力日平均值不大于2.2kPa, 月平均值不大于1.8kPa;
- 5、周围空气应不受腐蚀性气体、水蒸气等明显污染;
- 6、无经常性的剧烈振动; 接触器运行时, 安装平面与水平的倾角不大于5°。

Working condition:

1. Ambient air temperature: -25°C- +40°C.
2. Altitude not exceed 2000m
3. Humidity: Relative humidity: daily mean not higher than 95%, monthly mean not higher than 90°C;
4. Aqueous vapor pressure: daily mean not exceed 2.2 KP, monthly mean not exceed 1.8 KP;
5. Ambient air should not be obviously polluted by corrosive or flammable gas or vapor.
6. Free of frequent severe vibration; When running, angle of inclination between installation surface and horizontal plane should not exceed 5°C.

产品参数

Main technical parameters

Product model 型号	Rated voltage (V) 额定电压(工频)V		Rated current (Main circuit) A 额定电流 (主电路)	Main contacts parameters 主触头参数		Power frequency Withstand voltage V(effective value) 工频耐压V (有效值)		
	Main circuit 主电	Control circuit 控制电路		Opening distance 开距 (mm)	Over travel 超程 (mm)	Main circuit 主电路	Auxiliary circuit 辅助电路	Control circuit 控制电路
HVJ6-7.2/200	7200	110, 220	200	$4.5^{+1}_{-0.5}$	1.5 ± 0.5	32000	2500	2000
HVJ6-7.2/400	7200	110, 220	400	$4.5^{+1}_{-0.5}$	1.5 ± 0.5	32000	2500	2000
HVJ6-7.2/630	7200	110, 220	630	$4.5^{+1}_{-0.5}$	1.5 ± 0.5	32000	2500	2000

HVJ6-7.2 高压交流真空接触器 HIGH VOLTAGE AC VACUUM CONTACTOR

Product model 产品型号	Making capacity 接通能力	Breaking capacity 分断能力	Limit opening current 极限开断电流(A)	Mechanical life times 机械寿命次数	Weight 重量(kg)
HVJ6-7.2/200	10Ie, 100times	8Ie, 25 times	10Ie	30×10^4	28
HVJ6-7.2/400	10Ie, 100times	8Ie, 25 times	10Ie	30×10^4	28
HVJ6-7.2/630	10Ie, 100times	8Ie, 25 times	10Ie	30×10^4	28.5

外形及安装尺寸 Overall and installation dimensions

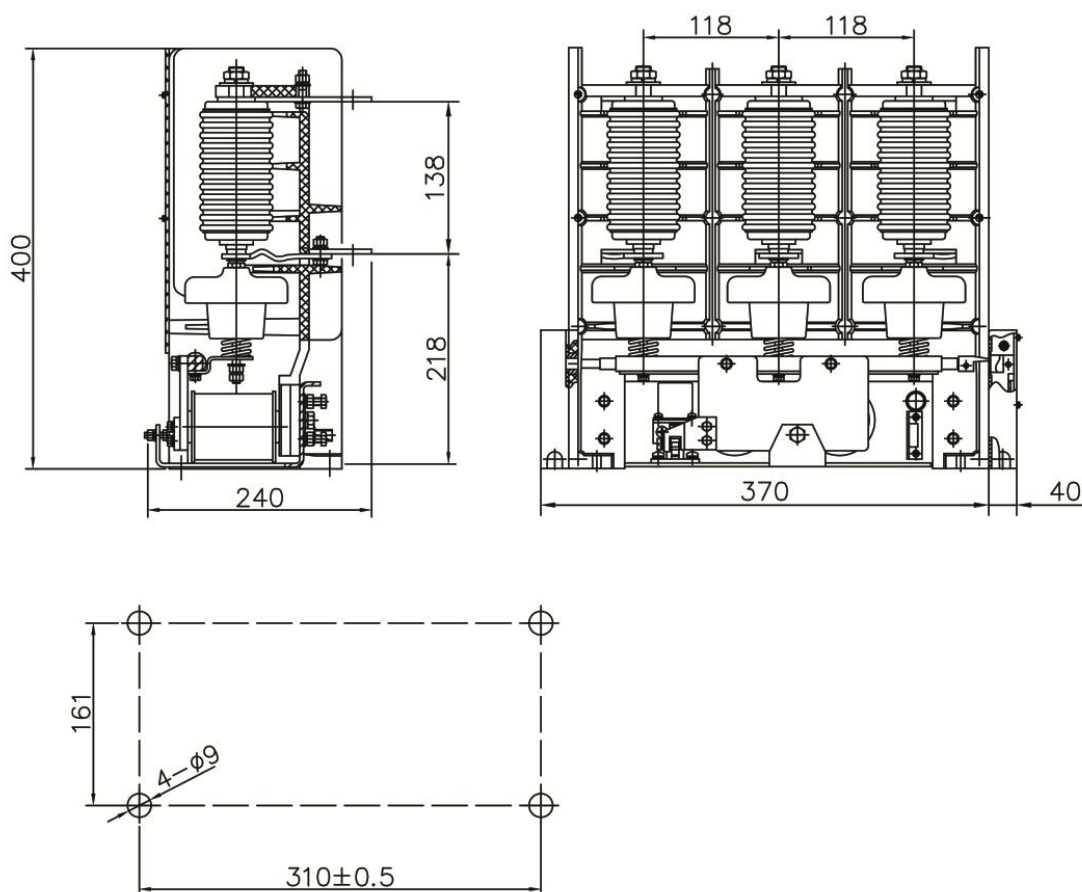


Chart 2 Installation position and hole diameter

HVJ3-12 高压交流真空接触器 HIGH VOLTAGE AC VACUUM CONTACTOR



概述 General

HVJ3-12型接触器 (CKG3-12) 主要用于交流50HZ, 额定电压至12KV的电力系统中, 供接通和分断电路并与适当的保护器组成电磁起动器, F-C柜等。

The vacuum contactor is mainly used in the power system with AC 50Hz and rated voltage 12kV, for making or breaking circuit and to make electromagnetic starter with suitable protective device and F-C switchgear.

工作条件:

- 1、海拔高度不超过1000米;
- 2、周围空气温度: 不超过+40℃; 不低于-5℃;
- 3、24小时平均值不超过35℃;
- 4、空气的相对湿度在最高温度为+40℃时不超过50%, 在较低温度下允许有较高的相对湿度;
- 5、污染等级规定为3级。

Working condition:

1. Altitude should not be over 1,000m;
2. Ambient temperature: -5~40° C;
3. Average temperature in 24 hour not exceed 35° C;
4. When the highest temperature is 40° C, the relative humidity should not be higher than 50%;
5. Pollution degree: class 3.

产品参数 Main technical parameter

Product model 型号	Rated voltage (V) 额定电压(工频)V		Rated current (Main circuit) A 额定电流 (主电路)	Main contacts parameters 主触头参数			Power frequency Withstand voltage V(effective value) 工频耐压V (有效值)		
	Main circuit 主电	Control circuit 控制电路		Opening distance 开距 (mm)	Over travel 超程 (mm)	Final pressure 终压力 (N)	Main circuit 主电路	Auxiliary circuit 辅助电路	Control circuit 控制电路
HVJ3-12/160	12000	220/110/380	160	5 ± 0.5	2 ± 0.2	>85N	42000	2500	2000
HVJ3-12/250	12000	220/110/380	250	5 ± 0.5	2 ± 0.2	>85N	42000	2500	2000
HVJ3-12/400	12000	220/110/380	400	5 ± 0.5	2 ± 0.2	>85N	42000	2500	2000
HVJ3-12/630	12000	220/110/380	630	5 ± 0.5	2 ± 0.2	>85N	42000	2500	2000

Product model 产品型号	Making capacity 接通能力	Breaking capacity 分断能力	Limit opening current极限开断 电流(A)	Overload 过载能力	Mechanism life 机械寿命	Weight 重量(kg)
HVJ3-12/160	10Ie, 100times	8Ie, 25 times	10Ie	8Ie, 10s	1million times	30
HVJ3-12/250	10Ie, 100times	8Ie, 25 times	10Ie	8Ie, 10s	1million times	30
HVJ3-12/400	10Ie, 100times	8Ie, 25 times	10Ie	8Ie, 10s	1million times	30
HVJ3-12/630	10Ie, 100times	8Ie, 25 times	10Ie	8Ie, 10s	1million times	32

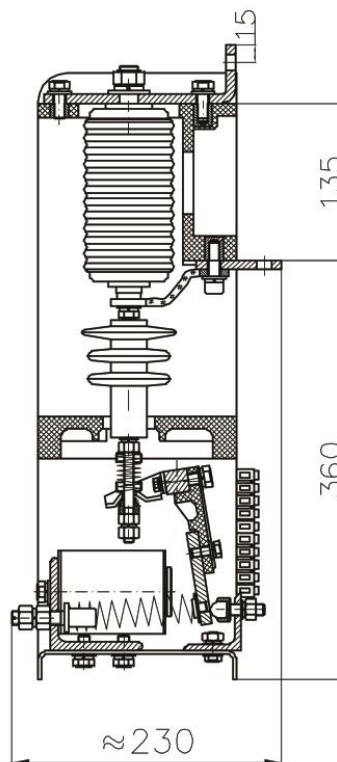
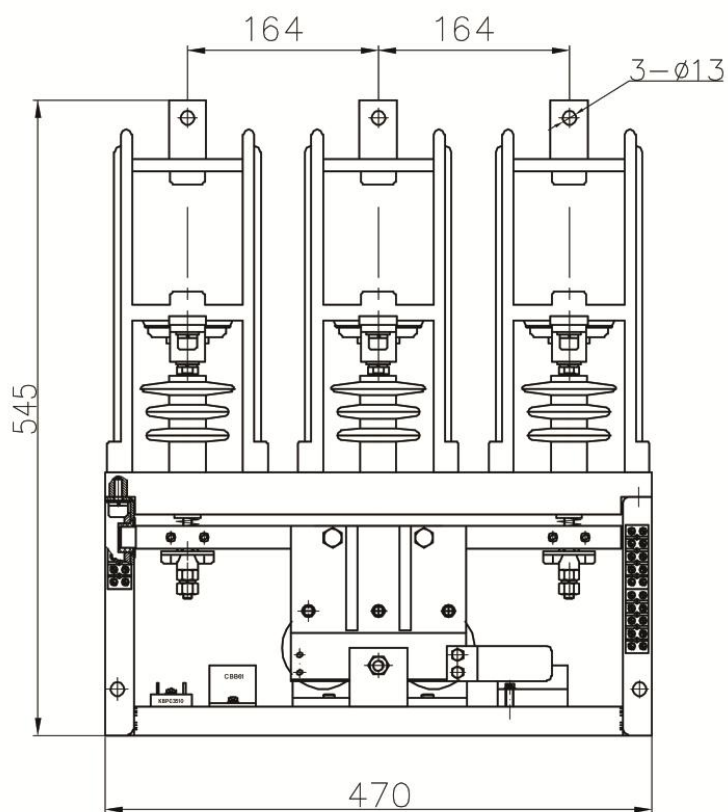
注: Ie为主电路额定电流

Remark: "Ie" is Rated current of main circuit.

HVJ3-12 高压交流真空接触器 HIGH VOLTAGE AC VACUUM CONTACTOR

外形及安装尺寸

Overall and installation dimensions



Installation dimension



HVJ6-12 高压交流真空接触器 HIGH VOLTAGE AC VACUUM CONTACTOR



概述 General

HVJ6-12系列户内交流高压真空接触器(JCZ5-12)，分为合闸机械保持和电磁保持两种型式。该接触器适用于三相交流50Hz、额定电压12kV额定电流至630A的电力系统中，供远距离接通与分断线路，控制高压电动机、变压器及容性负载等用电设备，尤为适用于各种频繁操作领域。该接触器体积小、重量轻，采用当今国际流行的上下布置的组装式结构，使用维护方便，易于组成F-C回路成套设备。

HVJ6-12 series indoor high-voltage AC vacuum contactor has two types: One is Mechanical holding type, the other is Electromagnetic holding type. It is applicable for three-phase AC 50HZ power system of rated voltage 12KV and below and rated current up to 630 A to open and close circuit remotely and control electrical equipment like high-voltage motor, transformer and capacitive load. It is especially suitable for fields operated frequently. The contactor uses the international fashionable up and down structure arrangement and has the advantages of small, light, easy to maintain and form a complete set of F-C circuit equipment.

工作条件:

- 1、周围空气温度：上限+40° C，下限：-25° C
- 2、海拔不超过2000米；
- 3、湿度：相对湿度日平均值不大于95%，月平均值不大于90%；
- 4、水蒸气压力日平均值不大于2.2kPa，月平均值不大于1.8kPa；
- 5、周围空气应不受腐蚀性气体、水蒸气等明显污染；
- 6、无经常性的剧烈振动；接触器运行时，安装平面与水平的倾角不大于5°。

Working condition:

1. Ambient air temperature: -25°C- +40°C.
2. Altitude not exceed 2000m
3. Humidity: Relative humidity: daily mean not higher than 95°C, monthly mean not higher than 90°C;
4. Aqueous vapor pressure: daily mean not exceed 2.2 KP, monthly mean not exceed 1.8 KP;
5. Ambient air should not be obviously polluted by corrosive or flammable gas or vapor.
6. Free of frequent severe vibration; When running, angle of inclination between installation surface and horizontal plane should not exceed 5°C.

产品参数

Main technical parameters

Product model 型号	Rated voltage (V) 额定电压(工频)V		Rated current (Main circuit) A 额定电流 (主电路)	Main contacts parameters 主触头参数		Power frequency Withstand voltage V(effective value) 工频耐压V (有效值)		
	Main circuit 主电	Control circuit 控制电路		Opening distance 开距 (mm)	Over travel 超程 (mm)	Main circuit 主电路	Auxiliary circuit 辅助电路	Control circuit 控制电路
HVJ6-12/200	12000	110, 220	200	5 ⁺¹ _{-0.5}	1.5 ± 0.5	42000	2500	2000
HVJ6-12/400	12000	110, 220	400	5 ⁺¹ _{-0.5}	1.5 ± 0.5	42000	2500	2000
HVJ6-12/630	12000	110, 220	630	5 ⁺¹ _{-0.5}	1.5 ± 0.5	42000	2500	2000

HVJ6-12 高压交流真空接触器 HIGH VOLTAGE AC VACUUM CONTACTOR

Product model 产品型号	Making capacity 接通能力	Breaking capacity 分断能力	Limit breaking current 极限分断电流 (A)	Mechanical life times 机械寿命次数	Weight 重量(kg)
HVJ6-12/200	10Ie, 100times	8Ie, 25 times	10Ie	30×10^4	32
HVJ6-12/400	10Ie, 100times	8Ie, 25 times	10Ie	30×10^4	32
HVJ6-12/630	10Ie, 100times	8Ie, 25 times	10Ie	30×10^4	33

外形及安装尺寸 Overall and installation dimensions

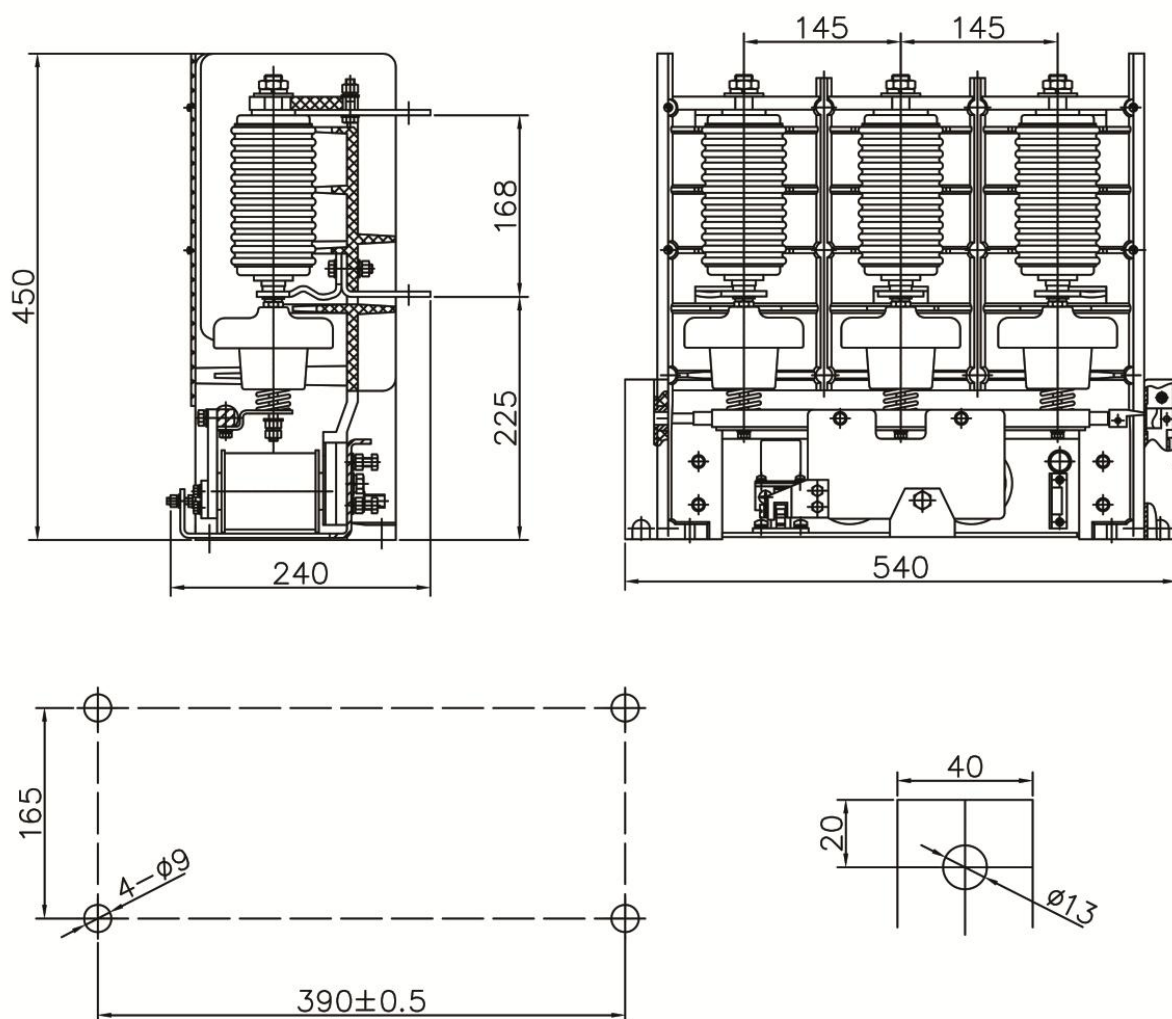


Chart 2 Installation position and hole diameter

Chart3 Copper busbar dimension