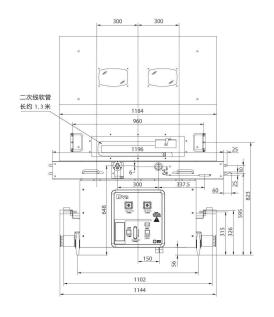
DVB 5 固封式真空断路器 DVB5 Embedded Vacuum Circuit Breaker

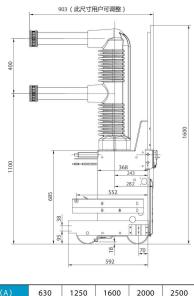
主要技术参数 Main Technical Parameters

序号	参数名称	单位	参数值 Parameters
1	额定电压 Rated voltage	KV	40.5
2	额定电流 Rated current	А	1250 1600 2000 2500
3	额定频率 Rated frequency	Hz	50/60
4	短时工频耐受电压 Short-time(1min) power-frequency withstand voltage(1min)	KV	95
5	雷电冲击耐受电压 Lightning impulse withstand voltage	KV	185
6	额定短路开断电流 Rated short-circuit breaking current	KA	31.5
7	额定短路关合电流 Rated short-circuit making current	KA	80
8	额定短时耐受电流(4S)Rated short-time withstand current(4s)	KA	31.5
9	额定峰值耐受电流 Rated peak withstand current	KA	80
10	额定单个电容器组开断电流 Rated breaking current of single capacitor bank	А	630 ▷
11	额定背对背电容器组开断电流 Rated breaking current of back to back capacitor bank	А	400 ▷
12	额定电缆充电开断电流 Class of restrike performance during capacitive current switching	А	C2
13	额定短路开断电流开断次 Operations of short-circuit breaking current interruption	次	20
14	额定操作顺序 Rated operating sequence		0-0.3s-C0-180s-C0
15	合闸时间 Closing time	ms	30 ~ 70
16	分闸时间 Opening time	ms	20 ~ 50
17	机械寿命 Mechanical life	次	10000
18	触头允许磨损厚度 Contact erosion limit	mm	3
19	额定操作电压 Rated voltage of motor	V	DC 220
20	储能时间 Charging time	S	≤ 15
21	触头开距 Rated contact stroke	mm	18 ~ 22
22	触头接触行程 Contact connection stroke	mm	5 ~ 7
23	三相合、分闸同期性 Asynchronous operation between poles	ms	≤ 2
24	合闸触头弹跳时间 Closing bounce	ms	≤3
25	分闸速度 Opening speed(0-8mm)	m/s	1.4 ~ 2.0
26	合闸速度 Closing speed(8mm-closed)	m/s	0.8 ~ 1.2
27	合闸触头接触压力 Contact force at contact touch point	N	3100 ± 200
28	每相主回路电阻(不大于)Single phase Circuit resistance	μΩ	≤ 50

[▷]订货时需与本公司协商

DVB5固封式真空断路器安装尺寸图 Dimensions of DVB5

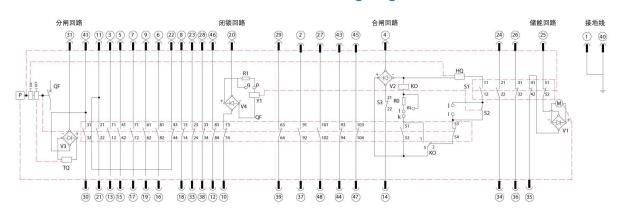




额定电流(A)6301250160020002500配静触头尺寸(mm)グ49グ49グ55グ79グ109

注:配1400宽柜;推进机构推进行程610±3mm

DVB5固封式真空断路器电气原理图 Electrical wiring diagram of DVB5



40.5kV真空断路器电气控制原理图 (断路器处于分闸、未储能状态)

代号	元件名称
Y 1	闭锁电磁铁
TQ	分闸脱扣器
HQ	合闸脱扣器
Р	手动储能
S 1	储能电机用微动开关
52 闭锁电磁铁的辅助开关	

代号	元件名称		
S 3	微动开关(与推进机构联动)		
QF	与主轴联动的辅助开关		
М	储能电机		
ко	机构内部防跳继电器		
R0, R1	串联电阻		
V1~V4	整流元件		