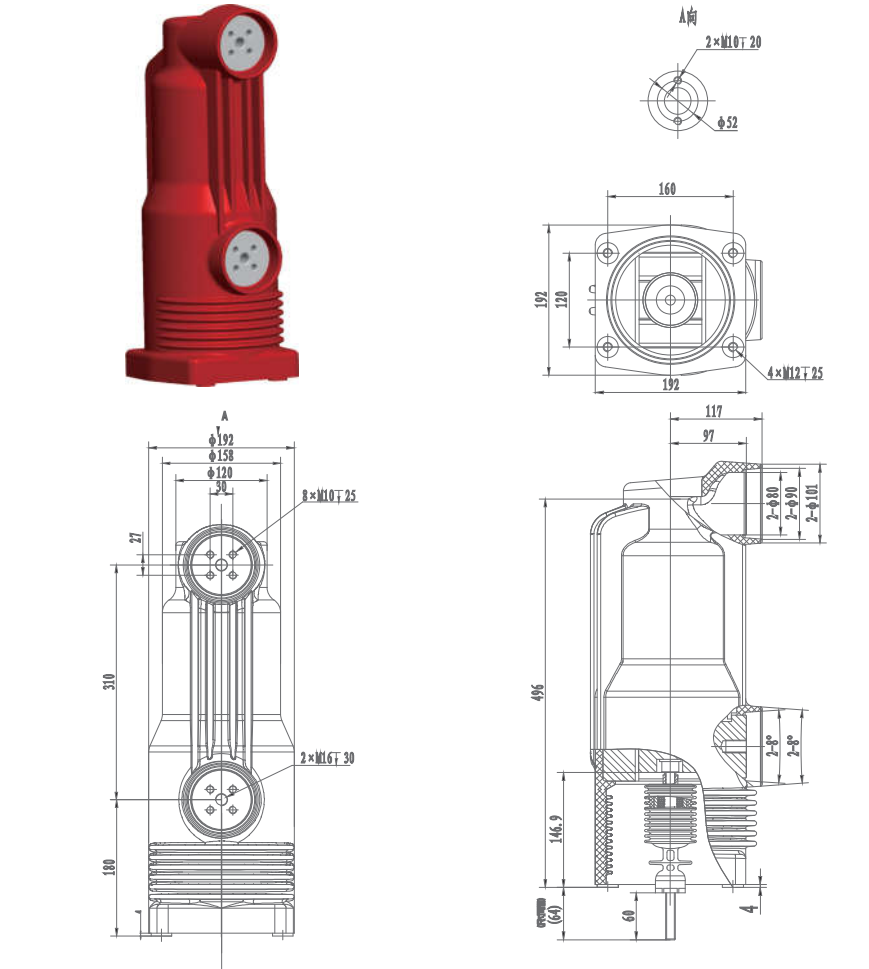


EMBEDDED POLE SERIES

固封极柱系列



图号 Drawing No.	规格型号 Specification	配用绝缘拉杆 Match The Insulated Pull Rod	配用触臂套 Match The Contact Arm Sleeve
RZP5. 110a	EP12/4000-40	RAP4. 076b. 08	RAP4. 110a. 11
RZP5. 110b	EP12/3150-40	RAP4. 076b. 08	RAP4. 110b. 11
RZP5. 110c	EP12/3150-50	RAP4. 110h. 05	RAP4. 110b. 11
RZP5. 110h	EP12/4000-50	RAP4. 110h. 05	RAP4. 110a. 11

EMBEDDED POLE SERIES

固封极柱系列

主要技术参数 Main Technical Data

参数	Parameter	数值 Value	单位 Unit
额定电压	Rated Voltage	12	kV
额定电流	Rated Current	3150 3150 4000 4000	A
额定频率	Rated Frequency	50	Hz
额定短路开断电流	Rated Short-circuit Breaking Current	40 50 40 50	kA
额定短路开断电流的开断次数	Operations Of Short-circuit Breaking Current Interruption	30	次
额定短路关合电流	Rated Short-circuit Making Current	100 125 100 125	kA
额定峰值耐受电流	Rated Peak Withstand Current	100 125 100 125	kA
额定短时耐受电流（4秒）	Rated Short-time Withstand Current (4s)	40 50 40 50	kA
额定单个电容器组开断电流	Rated Single Capacitor Bank Breaking Current	630※	A
额定背对背电容器组开断电流	Rated Back-to-back Capacitor Breaking Current	400※	A
短时（1分钟）工频耐受电压	Short-time(1min)power-frequency Withstand Voltage	48	kV
雷电冲击耐受电压（峰值）	Lighting Impulse Withstand Voltage(peak)	75	kV
额定触头压力下的回路电阻	Circuit Resistance At Rated Contact Force	≤13 ≤13 ≤12 ≤12	μΩ
机械寿命	Mechanical Life	10,000	次
触头自闭力	Contact Closing Force Due To Bellows And Atmosphere	250±60	N
额定开距下的触头反力	Counterforce At Rated Contact Stroke	340±60	N
触头允许磨损厚度	Contact Limit Erosion	3	mm
贮存期	Shelf Life	20	年
局部放电值	Partial Discharge	≤1	pC
额定操作顺序	Rated Operating Sequence	0-0.3s-co-180s-co	

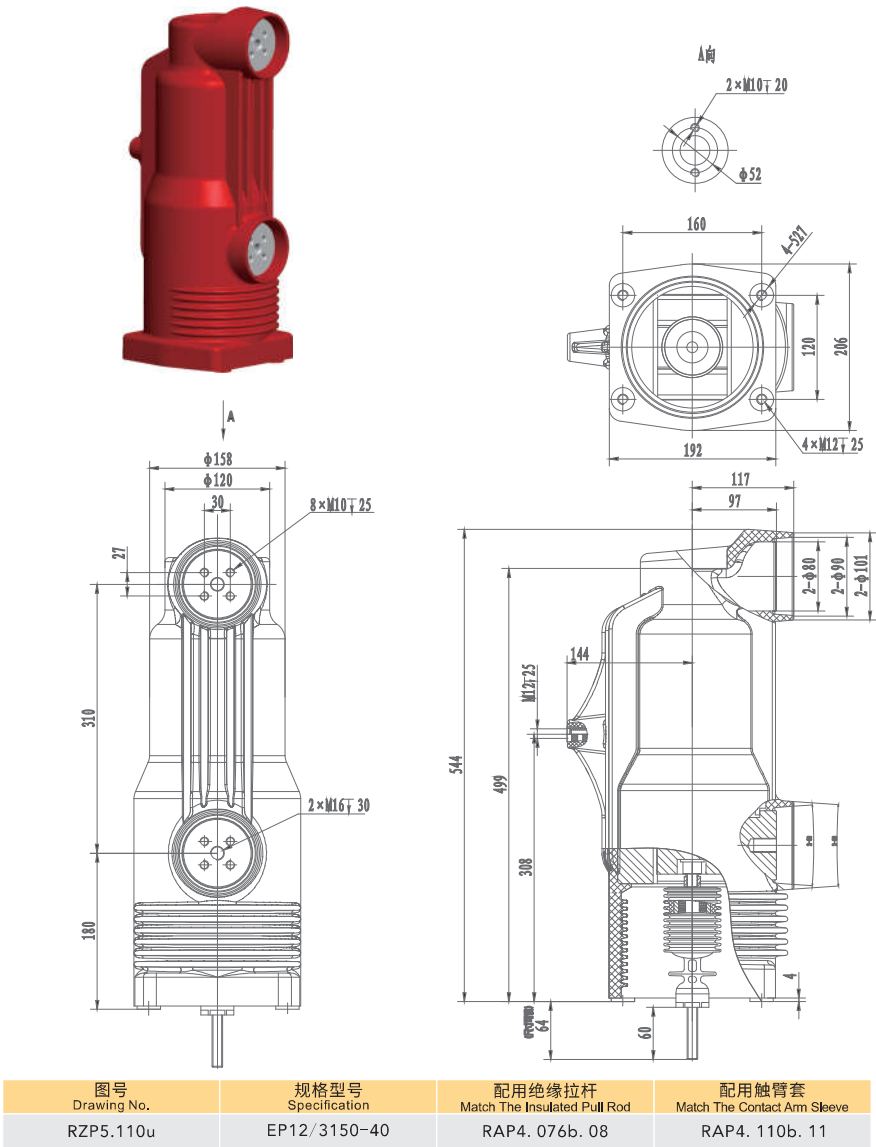
配套的真空开关应满足的机械参数 Mechanical Data Of Circuit Equipped With Interrupters

参数	Parameter	数值 Value	单位 Unit
触头开距	Rated Contact Stroke	9±1 9±1 9±1 9±1	mm
触头接触行程	Contact Connection Stroke	3±1 3±1 3±1 3±1	mm
平均分闸速度	Average Opening Speed	1.3±0.213±0.213±0.213±0.2	m/s
平均合闸速度	Average Closing Speed	0.6±0.206±0.206±0.206±0.2	m/s
额定触头压力	Rated Operation Pressure Of Contact	5000±300 7500±300 5000±300 7500±300	N
触头合闸弹跳时间	Bounce Duration Of Contact Closing	≤2 ≤2 ≤2 ≤2	ms
触头分闸不同期	Out Of Simultaneity Of Contact Closing And Opening	≤1 ≤1 ≤1 ≤1	ms
分闸触头反弹幅值	Max.overtravel	≤2 ≤2 ≤2 ≤2	mm

注：标“※”项为需要时提供的参数。“※”Rated characteristics to be given on request

EMBEDDED POLE SERIES

固封极柱系列



EMBEDDED POLE SERIES

固封极柱系列

主要技术参数 Main Technical Data

参数	Parameter	数值 Value	单位 Unit
额定电压	Rated Voltage	12	kV
额定电流	Rated Current	3150	A
额定频率	Rated Frequency	50	Hz
额定短路开断电流	Rated Short-circuit Breaking Current	40	kA
额定短路开断电流的开断次数	Operations Of Short-circuit Breaking Current Interruption	30	次
额定短路关合电流	Rated Short-circuit Making Current	100	kA
额定峰值耐受电流	Rated Peak Withstand Current	100	kA
额定短时耐受电流（4秒）	Rated Short-time Withstand Current (4s)	40	kA
额定单个电容器组开断电流	Rated Single Capacitor Bank Breaking Current	630※	A
额定背对背电容器组开断电流	Rated Back-to-back Capacitor Breaking Current	400※	A
短时（1分钟）工频耐受电压	Short-time(1min)power-frequency Withstand Voltage	48	kV
雷电冲击耐受电压（峰值）	Lighting Impulse Withstand Voltage(peak)	75	kV
额定触头压力下的回路电阻	Circuit Resistance At Rated Contact Force	≤13	μΩ
机械寿命	Mechanical Life	10,000	次
触头自闭力	Contact Closing Force Due To Bellows And Atmosphere	250±60	N
额定开距下的触头反力	Counterforce At Rated Contact Stroke	340±60	N
触头允许磨损厚度	Contact Limit Erosion	3	mm
贮存期	Shelf Life	20	年
局部放电值	Partial Discharge	≤1	pC
额定操作顺序	Rated Operating Sequence	0-0.3s-co-180s-co	

配套的真空开关应满足的机械参数 Mechanical Data Of Circuit Equipped With Interrupters

参数	Parameter	数值 Value	单位 Unit
触头开距	Rated Contact Stroke	9±1	mm
触头接触行程	Contact Connection Stroke	3±1	mm
平均分闸速度	Average Opening Speed	1.3±0.2	m/s
平均合闸速度	Average Closing Speed	0.6±0.2	m/s
额定触头压力	Rated Operation Pressure Of Contact	5000±300	N
触头合闸弹跳时间	Bounce Duration Of Contact Closing	≤2	ms
触头分闸不同期	Out Of Simultaneity Of Contact Closing And Opening	≤1	ms
分闸触头反弹幅值	Max.overtravel	≤2	mm

注：标“※”项为需要时提供的参数。“※”Rated characteristics to be given on request