销售专线

0592-5758908

厦门顾德益电器有限公司
Xiamen Good EP Electrical Co.,Ltd.

电　话：0592-5758908
传　真：0592-5756128
电子邮箱：goodep@gudep.com
网　址：www.gudep.com
地　址：厦门火炬高新区（翔安）产业区翔明路8号
中文域名：顾德益.com　顾德益.cn

Tel: 0592-5758908
Fax: 0592-5756128
Email: goodep@gudep.com
Home page: www.gudep.com
Address: No.8 Xiangming Road, Industrial District, Xiamen torch Hi-tech Zone(xiang' an Ditrict)
Chinese DNS: 顾德益.com　顾德益.cn

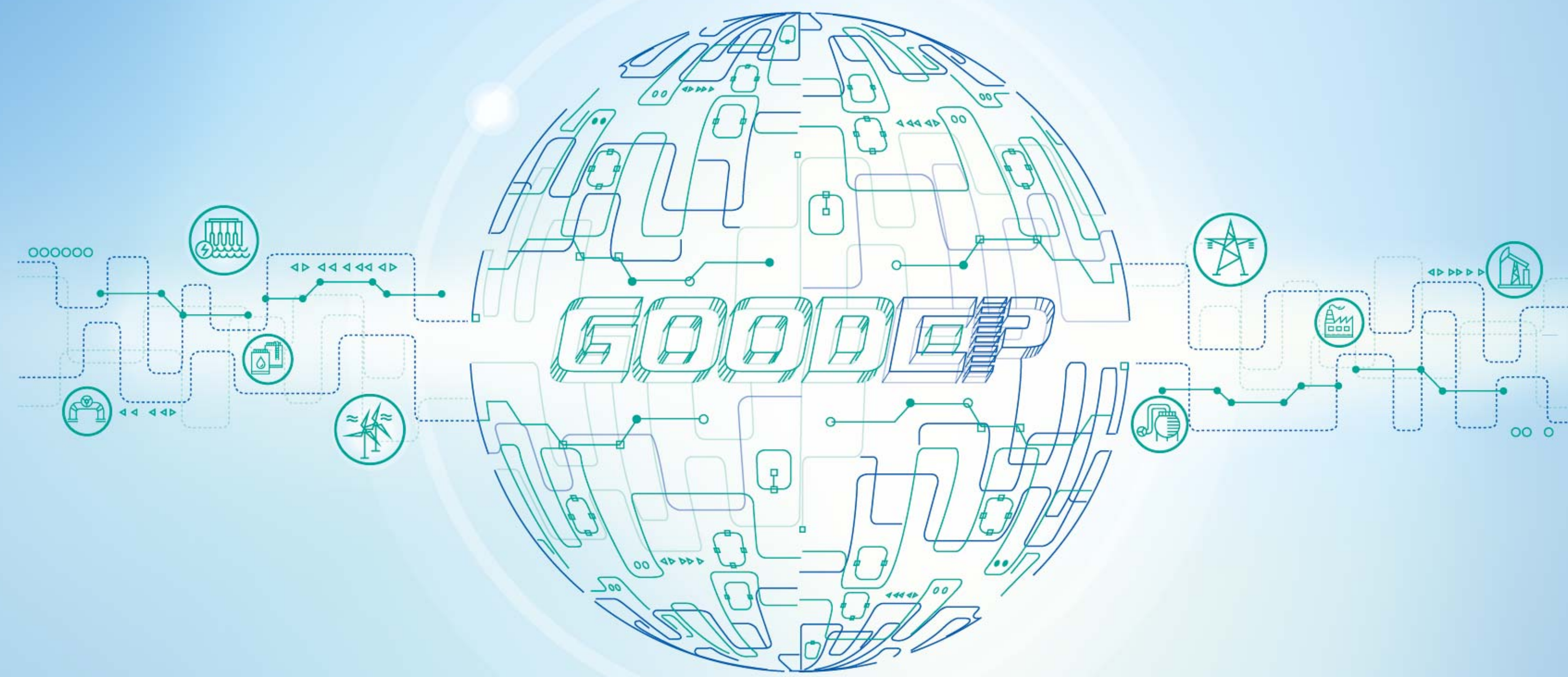
微信公众号

编号：GOODEP/GSVR/2018/Rev-01/CN

科技创新　智能领先

Technology Innovation leading intelligent

2018版



GOODEP®

厦门顾德益电器有限公司
Xiamen Good EP Electrical Co.,Ltd.

科技创新　智能领先

Technology Innovation leading intelligent

Content 目录

公司简介
Company profile

厦门顾德益电器有限公司（www.gudep.com）成立于 2008 年 6 月，属民营高科技企业，目前注册资金 3000 万元人民币，厂房占地面积 35 亩。我司专业生产中高压智能电气产品，专业专注为电力开关厂服务。目前开关元器件拥有固体绝缘系列、固封极柱系列、充气柜系列、SF6 开关壳体系列、40.5kV 成套绝缘件以及其他绝缘元件系列等六大系列产品。集新产品技术开发、来图来样加工、生产、技术培训、销售服务于一体的科技型公司，是一家高技术、高品质电气产品的制造商及服务商。

厦门顾德益的使命：缔造绿色环保元件、保障开关智能安全、促进世界电气事业蓬勃发展！

厦门顾德益的愿景：成为世界领先的开关元件制造商、成为世界领先的电气行业服务商！

厦门顾德益以“创新科技、以人为本”为经营管理理念。汇集并培养了一批长期从事电力产品研发的专业团队；为客户提供质优价廉的电气产品。始终秉承以市场为导向、以客户为核心、以技术服务社会、以创新开拓市场、以品质及服务赢得客户的信任和尊重。

厦门顾德益创始人自 1995 年从事电力电气行业，研发团队在电力电气行业长期专注技术开发，探索世界先进水平并与国外电力市场接轨。例如，管理团队经验丰富，制造团队精益领先，销售团队敬业强大。始终坚持现代化的管理，制造出优质的产品；精心打造“创新科技、只能领先”的“GOODEP”电工电气品牌，为国家、为民族、为世界电力事业的发展做出更多、更大的贡献。

Xiamen Good EP Electrical Co.,Ltd. (www.gudep.com) was founded in June,2008. It is a high technology privately operated company, which with a registered capital of 30 million yuan and factory area of 35 mu. We specialized in producing middle-high voltage intelligent electrical products and serving the electric switchgear companies. At present, we have six series of products of switch components, namely solid insulated series, enveloped pole series, C-GIS series, SF6 switch shell series, 40.5kV insulation part and other insulated component series. Good EP is not only a technology company integrating technological development of new products, processing based on customers' samples and drawings, production, technical training and sales service, but also a manufacturer and service provider of high-tech and high-quality electrical products.

The mission of xiamen gu deyi: to create green environmental protection components, guarantee switch intelligent security, and promote the vigorous development of the world electrical industry!

Vision: to be the world's leading manufacturer of switch components and the world's leading supplier of electrical industry!

We always uphold the concept of people-oriented and technological innovation-driving management. We gathered and trained a team of professionals who have long been working on research and development of electrical products, so we can provide our customers high-quality electrical products with reasonable price. We earned our customers' trust and respect by consistently adhering to the development principle of market-oriented, customer-centered, serving the community with technologies, exploring market with innovation and by providing high-quality products and services.

The founder of GOOD EP has been engaged in electricity and power industry since 1995 while our R&D team have long devoted themselves in technological development. We are reaching for advanced world levels and trying to integrate with overseas electric market. In addition, our management team is full of rich experience, our manufacturing team cautious and conscientious and our sales team devoted and powerful. Always insisting on modernized management, we produce high-quality products, deliberately establish “GOODEP” as an electrical brand featuring technological innovation, leading products and services, and trying to make great contributions to the development of electric industry in China and abroad.

公司荣誉及资质
Honor and qualification

企业文化
Enterprise culture

顾德益电器在建立之初就提出了适合企业发展的企业文化，建立了具有本企业特色的企业价值观念、企业形象、企业精神、风尚道德等等，激发了企业发展与变革，提高企业经营管理水平，为公司的管理指明了方向。

Xiamen Good EP Electrical Co., Ltd. proposed corporate culture an the beginning of the establishment, built up corporate value, image, spirit and morality with enterprise characteristics, stimulated the enterprise for development and change, and improved the management level, pointed out the direction for the company's management

企业价值观：责任、尊重、进取、共享

责任：完全承担我们的行为对我们的顾客、员工、企业、社会机构和环境带来的后果，并勇于承认错误、敢于承担由此带来的风险，以保障员工、公司的利益不受到损害。

尊重：做每件事情都遵循法律标准和道德标准，信守承诺，对客户、员工和供应商均以诚相待。尊重我们的员工、供应商、客户，倾听他们的需求并承认他们的差别。理解并尊重每一个人的生活方式、习惯、文化和爱好。

进取：利用多元化的技巧、凭借自身的才能以及非同一般的想法创造性地解决各种问题、应对各种挑战。支持服务于人类新技术的进步和发展，支持创新，以始终如一的先驱精神接受变革。

共享：在公司业务所能及的国家、城市、社区，我们帮助发展当地经济、创造就业、提供培训并援助弱势群体。在制度和机会面前人人平等，员工充分发挥自身的主动性和自觉性，认真、务实、创新、高效，创造有价值的服务，并在我们的客户、员工、公司、合作伙伴和供应商之间共享这一价值。

Enterprise values: Responsibility, Respect, Enterprising, Sharing

Responsibility: Completely undertake our behavior effect to our customers, staffs, enterprises, social institution and environment. Admitting mistakes and assuming risks prevent the staff and company interest from damage.

Respect: Following legal and moral standards, we are honest to customers, emplyees and suppliers, respecting them, listen to their needs, accepting their lifestyle, habits, culture and hobbies.

Enterprising: Solve all kinds of problems and face up to the chanllenge creatively by diversified skills and extraordinary ideas. Support the progress and innovation of the new technology and accept changes.

Sharing: We help to develop local economy, create jobs, provide training and assist the vulnerable groups. Everyone is equal before the system and opportunities. staff give full play to their initiative and consciousness and become serious, pragmatic, innovative, efficient. They create valuable service that the cumtomers, staff, company, partners and suppliers could share.

精诚致信　缔造精品
质量第一　优质服务　科技创新　持续改进




战略目标:
服务全球电力事业

顾德益电器在成立时就提出，企业要以服务社会，服务全球电力事业为己任。企业的发展离不开社会，社会的进步需要企业的支持，这是一种相互促进的关系。

企业使命:
缔造绿色环保元件，保障开关智能安全，促进世界电气事业蓬勃发展！

企业愿景:
成为世界领先的开关元件制造商
成为世界领先的电气行业服务商

顾德益电器依托先进的设备、先进的技术、强大的科研力量和专业的团队，精心打造最优质的环氧树脂绝缘制品，建立一流品牌——“GOOD EP”。成为环氧树脂绝缘件市场的领跑者。不但在绝缘制品的质量上，更在技术和服务上，成为高压绝缘制品行业的仪仗者。

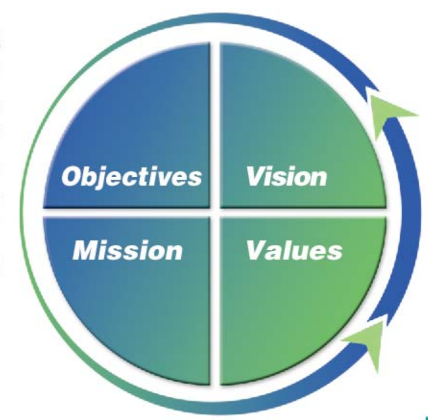
价值理念:
诚信、敬业、负责、协作

人生的价值是什么？企业的价值又是什么，企业员工的价值理念又是什么？
我们认为，企业要讲诚信，员工必须敬业，工作必须负责，团队必须协作。

Absolute sincerity, high-quality products
Quality first, first-rate service, technology Innovation, continuous improvement

Objectives:
To serve the global electric power industry

Good EP Electrical has proposed that we should take serving the society and global electric power industry as our mission. The development of enterprises cannot be separated from society and the progress of society also requires the support of enterprises, it is a kind of relationship that promotes each other.



Mission:
Create green environmental-friendly components, ensure intelligent safety of switches, and promote the vigorous development of the world electrical industry!

Vision:
Become the world's leading manufacturer of switch components
Become a world-class service provider in the electrical industry

Depending on the advanced equipment, top-ranking technology and powerful scientific research and professional team, Good EP electrical hopes to produce high quality epoxy resin insulator to establish the first-class brand of "GOOD EP" and become the market leader in Epoxy resin insulator. To be the best company in high voltage insulator field, not only in quality, but also in technology and service.

Values:
Integrity, dedication, responsibility, and cooperation

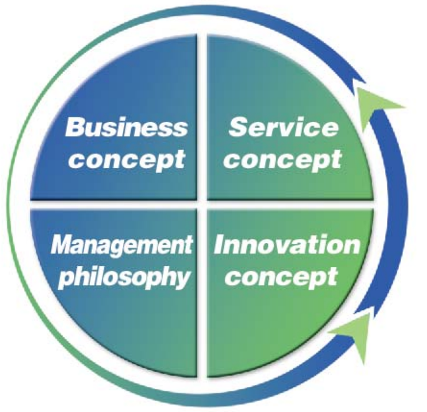
What is the value of life? What is the value of the enterprise? And what is the value of our employees? We believe that enterprise should pay attention to integrity, employees must be dedicated and responsible for work, and the power of a team lies in collaboration.

经营理念：
以质量求生存，以信誉求发展，以服务求支持，以创新求作为。

质量——顾德益电器保证向用户提供质量一流的产品。质量就是企业的生命，我们的天职就是用心追求产品的完美和顾客的信赖。
信誉——诚信经营，一切生产、经营活动都维护客户的利益。
服务——本公司向用户提供我公司生产、销售产品的一流服务。服务客户是我们神圣的职责。
创新——顾德益电器不断发展高新技术成果，开拓新产品，为全球电力事业的发展尽一份力。

Management philosophy: to exist by quality, to develop by credibility, to be endorsed by service, to make a difference by innovation.

Quality: Good EP electrical promises to provide the top quality products to the customers. Quality is the lifeblood of enterprise. And our mission is to pursue the perfection of products and trust from clients wholeheartedly.
Credibility: Operating with integrity, all production and management activities are customer-oriented.
Service: We provide the first rate service in production and sales, which is our holy responsibility.
Innovation: We contribute to the development of power industry by continuously developing new and high-tech products



管理理念：
目标、计划、执行

我们的管理不是为了管理而管理，也不是盲目的管理。我们的管理必须有明确的目标，必须清楚是为了什么，同时必须有计划，使管理更加科学规范，一旦明确了目标和方向，我们就要贯彻执行。

服务理念：
及时、专业、全面、超越

服务客户是我们神圣的职责。及时处理客户的要求，专业解答客户的疑惑，全面帮助客户解决问题，并且超越客户的要求，客户没有想的，我们必须想到，而且必须做好。

创新理念：
冒险、创新、技术领先

创新是要有冒险精神的，是有风险的。只有具备了冒险精神，才会创新，技术才可能领先。要敢于创新，但不盲目。

Business concept: objective, plan, implementation

Our management is flexible. We should have specific goals and plans, making our management more scientific and standardized. Once our goal and direction are defined, we will stick to them.

Service concept: Timely, professional, comprehensive and exceeding

To serve customers is our sacred duty. We will strive to deal with customers' requirements timely, answer their questions professionally, solve problem wholeheartedly, think and do more that expect.

Innovation concept: Venture, innovation, leading technology

Innovation needs adventurous spirit, but it is also risky. Adventurous spirit makes us innovative, but not blind. Therefore, our technology improvement is guaranteed.

质量方针
Quality policy

质量方针：科技创新、智能领先、持续改进、质量第一
Quality Policy:Technology Innovation、leading intelligent、continuous improvement、quality first

质量承诺：

一、严格按照 ISO 质量体系提供生产和服务；
二、产品严格按照国家标准或行业标准执行。

Quality commitment:

1. Production and service are in strict accordance with ISO quality system.
2. The products are in strict accordance with national standards or industry standards.

质量目标：

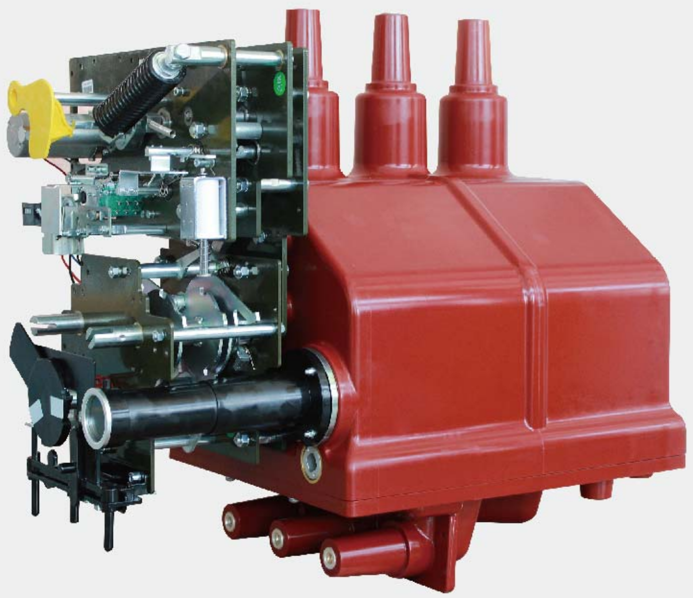
一、产品出厂合格率≥99.5%；
二、顾客满意度≥92%；
三、应用先进的技术，为客户提供更优质的产品和更完善的服务。
四、免费为顾客提供技术咨询，实行全面，系统的技术服务。

Quality standard:

1. The products ex-factory pass rate≥99.5%;
2. Customer satisfaction ≥92%;
3. To provide customers with better products and service by advanced technology;
4. To provide customers technical advice for free and implement comprehensive, systematic technical services.

产品展示
Products

固体绝缘件系列及技术参数
Solid Insulation Range and Technical Specifications

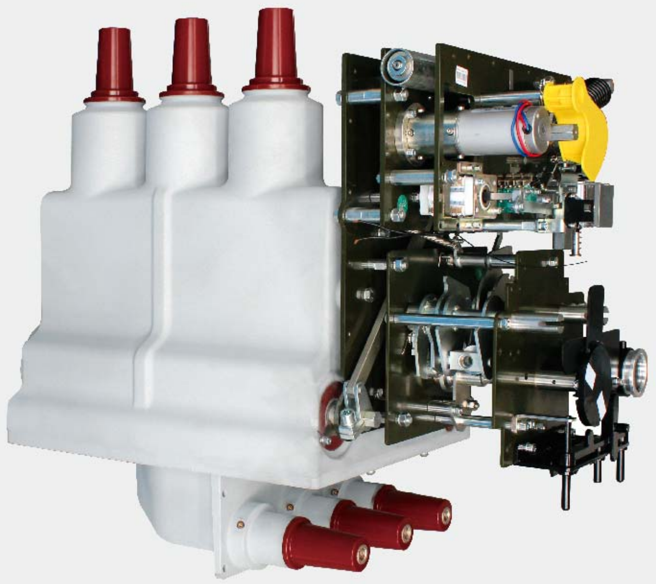


一代固体绝缘件开关核心单元
First generation solid insulator switch core unit

技术参数：
工频耐压：50kV/min
局部放电：14.4kV≤2pC

Technical parameters:
PF: 50kV/min
PD: 14.4kV≤2pC

固体绝缘件系列及技术参数
Solid Insulation Range and Technical Specifications



二代固体绝缘件开关核心单元
Two generation solid insulator switch core unit

技术参数：
工频耐压：50kV/min
局部放电：14.4kV≤2pC

Technical parameters:
PF: 50kV/min
PD: 14.4kV≤2pC

断路器固封极柱
Solid-insulation Embedded Poles for Circuit Breaker

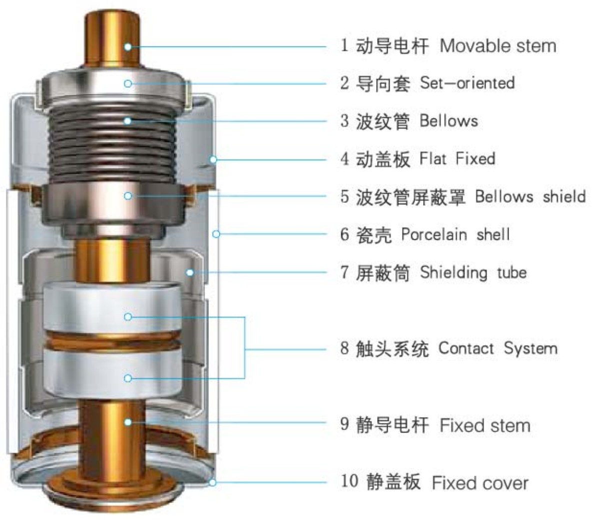
■ 固封极柱源自德国，系由资深中德专家联合开发的第三代中压固封式真空断路器。

■ 固封极柱是目前世界上产品规格系列最为齐全的第三代中压固封式真空断路器。

■ 固封极柱将超低阻型真空灭弧室及一次回路主导电杆固封在环氧树脂内，可适用于各种恶劣工作环境。

■ 固封极柱超低阻型真空灭弧室的应用从根本上满足了大电流固封极柱，对温升的要求并降低了电能损耗。

固封极柱型中压固封式真空断路器的极柱通过先进的自动压力凝胶工艺（APG）将小型化超低阻型真空灭弧室和主回路其它零件直接固封在环氧树脂内。这不仅简化了极柱的装配工艺，防止真空灭弧室导电回路连接螺栓由于运行中的振动而导致的松动，提高了可靠性，而且使真空灭弧室外表面不受外部机械力和外部环境（如灰尘、潮气、小动物）的影响，进一步改善了极柱的电场分布的状况。



■ Solid-insulation embedded pole,from Germany,is the third generation medium voltage solid enveloped vacuum circuit breaker jointly devloped by senior Sino-German experts.

■ Solid-insulation embedded pole type is third generation medium voltage solid enveloped vacuum circuit breaker of the most complete series and specifications.

■ Solid-insulation embedded pole type solidifies ultr-low resistance vacuum interrupter and main pole of primary circuit into the epoxy resin,which is suitable for all adverse conditions.

■ The application of Solid-insulation embedded pole ultra low resistance vacuum interrupter thoroughly satisfies the limit of temperature rise for high current and solid enveloped pole,which also decreases the energy loss.

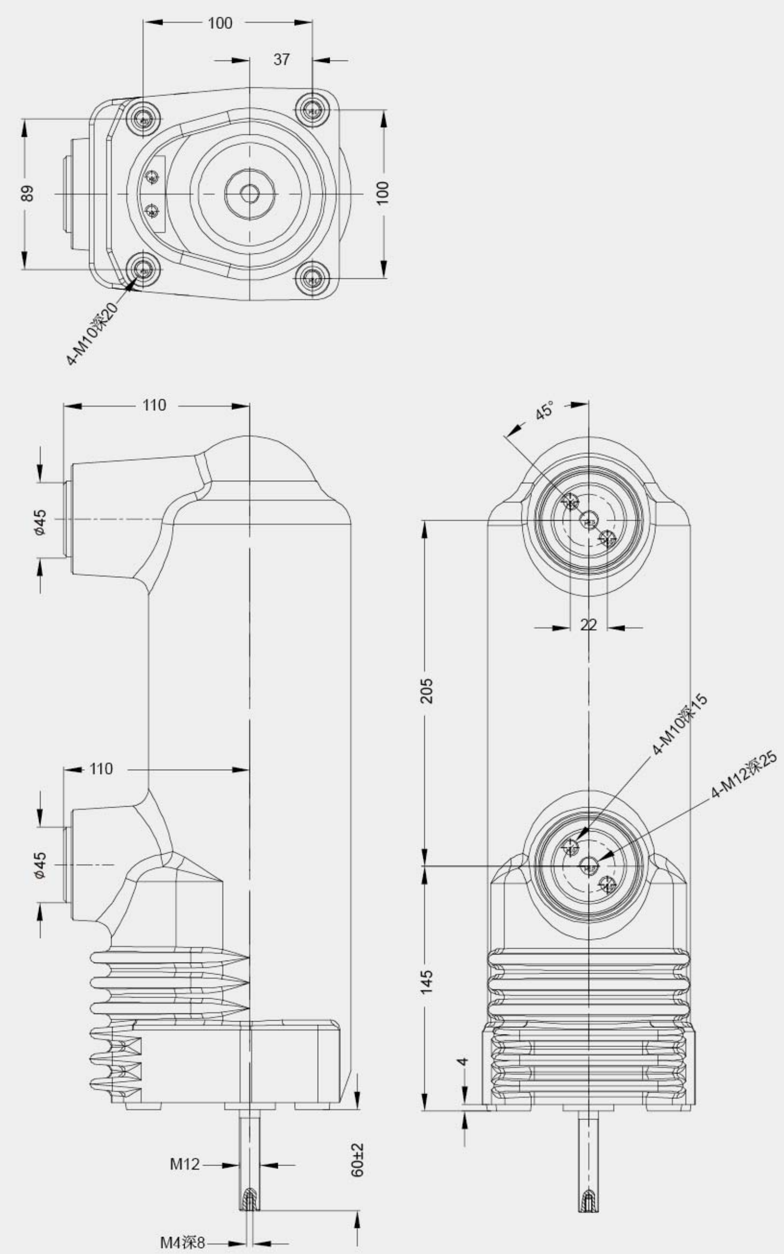
The poles of Solid-enveloped pole type medlium voltage solid enveloped vacuum circuit breaker is processed through advanced automatic pressure gel (APG) technique,which enveloped directly the miniaturized ultra-low resistance vacuum interrupter,other components of main circuit in the epoxy resin.Thus the assembly process is simplified,and can help to prevent the loosening of connecting bolt in vacuum interrupter conductive loop, with the loosening caused by vibration during work.In addition to increase stability,the outside surface of vacuum interrupter is separated from the effect of external forces and environment(such as dust,moisture,small animals),which further improves the distribution of electric field of poles.

12kV系列固封极柱
12kV embedded pole

24kV系列固封极柱
24kV embedded pole

40.5kV系列固封极柱
40.5kV embedded pole

12kV 中心距205mm固封极柱外形图及技术参数
Embedded Pole Drawing and Technical Specifications (Central Space 205mm)



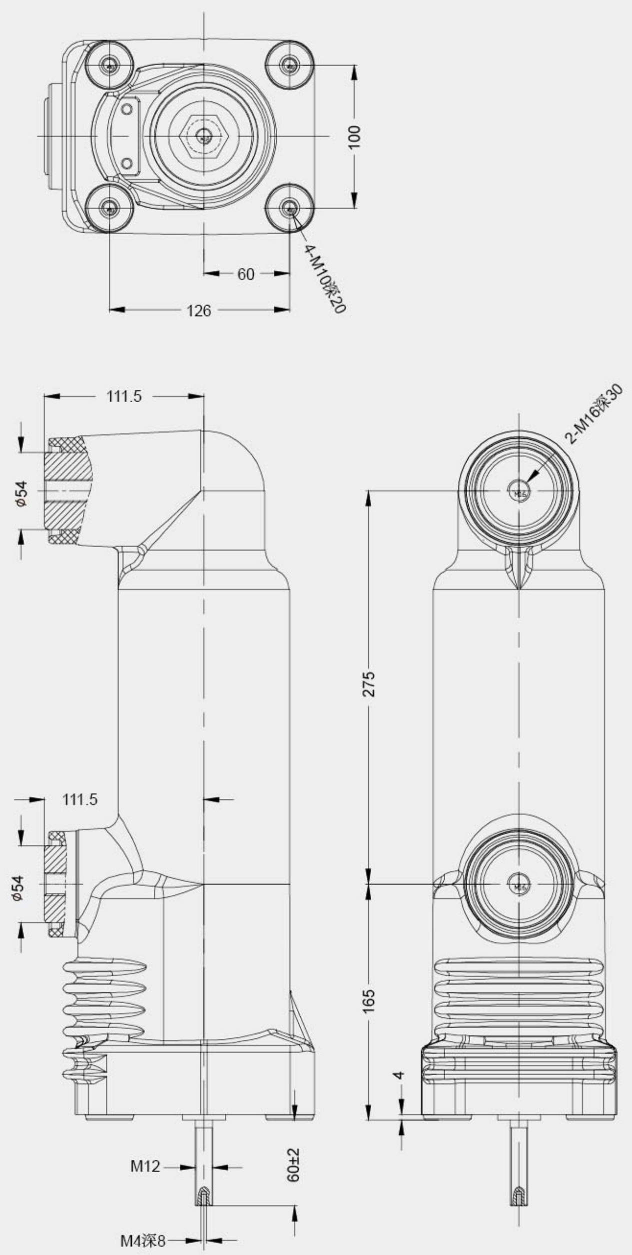
8GDEP.1*0.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	12kV
2	额定电流	Rated current	630A、1250A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	25kA、31.5kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	63kA
7	额定峰值耐受电流	Rated peak withstand current	63kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	25kA、31.5kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	48kV
12	雷电冲击耐受电压（峰值）	Lighting impulse withstand voltage	85kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤25~30μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	110±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	180±50N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	贮存期	Shelf life	20年 (20 years)
19	局部放电量	Magnitute of partial discharge	≤5pC
20	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	9±1mm
2	额定超行程	Rated Over-travel	3.5±0.5mm
3	平均分闸速度	Average opening speed	1.1±0.2m/s
4	平均合闸速度	Average closing speed	0.8 ±0.2m/s
5	额定触头压力	Rated contact pressure	2500±200N、3200±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	⩽2ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	⩽1ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	⩽2mm

12kV 中心距275mm固封极柱外形图及技术参数

Embedded Pole Drawing and Technical Specifications (Central Space 275mm)

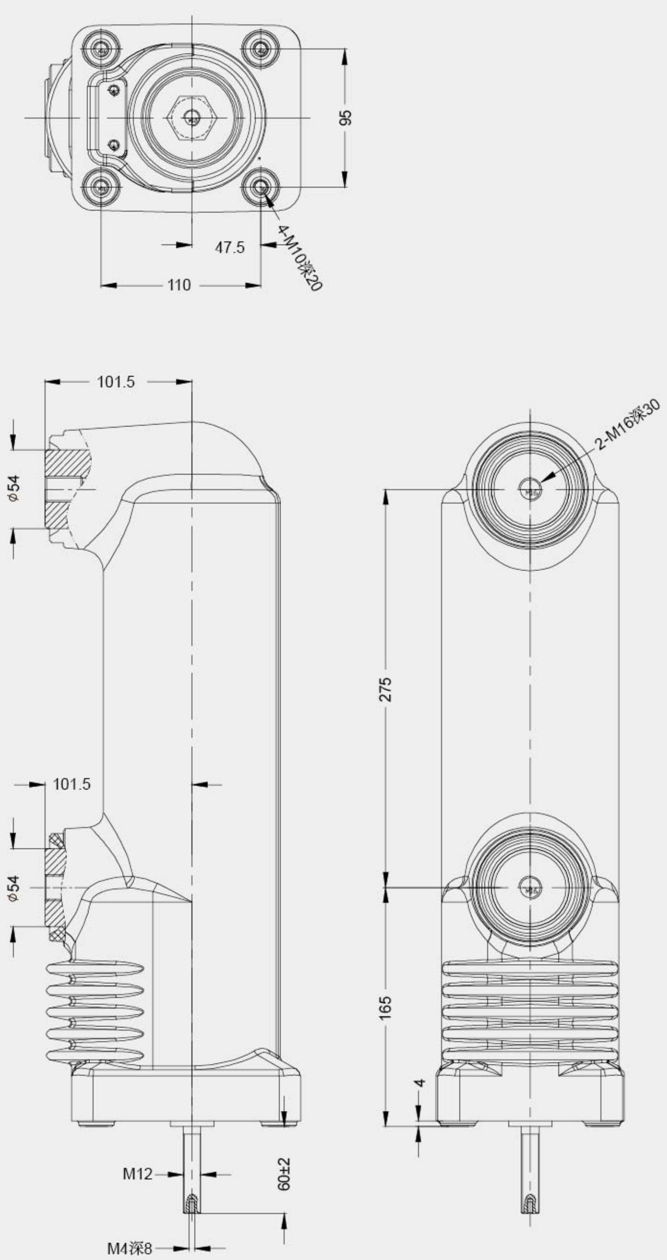


8GDEP.2*2.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	12kV
2	额定电流	Rated current	630A、1250A、1600A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	25kA、31.5kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	63kA
7	额定峰值耐受电流	Rated peak withstand current	63kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	31.5kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	48kV
12	雷电冲击耐受电压（峰值）	Lighting impulse withstand voltage	85kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤25~30μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	110±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	180±50N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	贮存期	Shelf life	20年 (20 years)
19	局部放电量	Magnitude of partial discharge	≤5pC
20	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	9±1mm
2	额定超行程	Rated Over-travel	3.5±0.5mm
3	平均分闸速度	Average opening speed	1.1±0.2m/s
4	平均合闸速度	Average closing speed	0.8 ±0.2m/s
5	额定触头压力	Rated contact pressure	2500±200N、3200±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	≤2ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	≤1ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	≤2mm

12kV 中心距275mm固封极柱外形图及技术参数
Embedded Pole Drawing and Technical Specifications (Central Space 275mm)

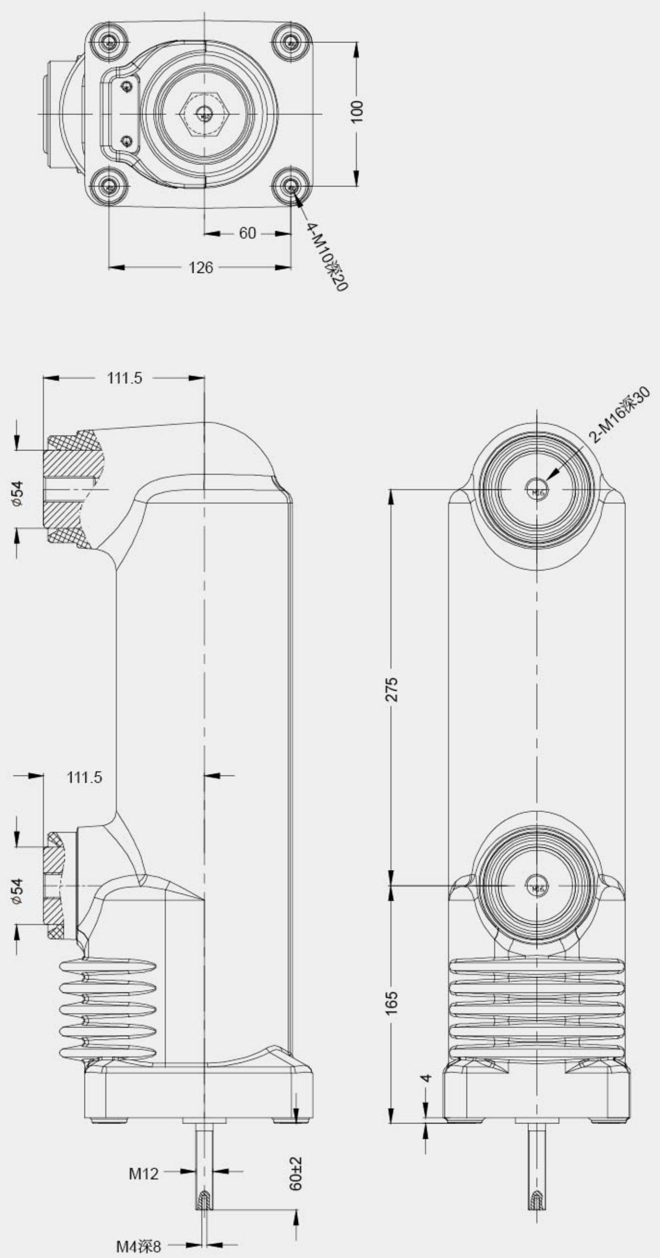


8GDEP.2*1.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	12kV
2	额定电流	Rated current	630A、1250A、1600A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	25kA、31.5kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	63kA
7	额定峰值耐受电流	Rated peak withstand current	63kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	31.5kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	48kV
12	雷电冲击耐受电压（峰值）	Lighting impulse withstand voltage	85kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤25~30μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	110±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	180±50N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	贮存期	Shelf life	20年 (20 years)
19	局部放电量	Magnitute of partial discharge	≤5pC
20	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	9±1mm
2	额定超行程	Rated Over-travel	3.5±0.5mm
3	平均分闸速度	Average opening speed	1.1±0.2m/s
4	平均合闸速度	Average closing speed	0.8 ±0.2m/s
5	额定触头压力	Rated contact pressure	2500±200N、3200±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	≤2ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	≤1ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	≤2ms

12kV 中心距275mm固封极柱外形图及技术参数
Embedded Pole Drawing and Technical Specifications (Central Space 275mm)

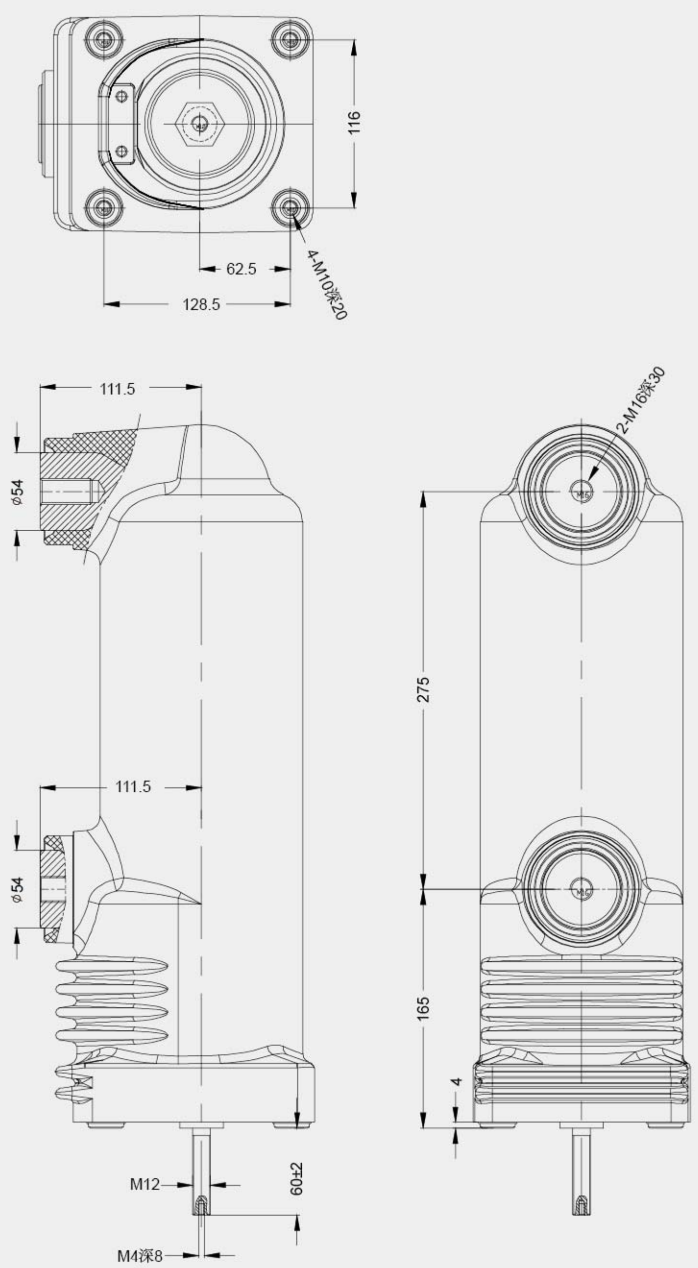


8GDEP.2*1.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	12kV
2	额定电流	Rated current	630A、1250A、1600A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	25kA、31.5kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	63kA
7	额定峰值耐受电流	Rated peak withstand current	63kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	25kA、31.5kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	48kV
12	雷电冲击耐受电压（峰值）	Lighting impulse withstand voltage	85kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤25~30μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	110±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	180±50N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	贮存期	Shelf life	20年 (20 years)
19	局部放电量	Magnitute of partial discharge	≤5pC
20	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	9±1mm
2	额定超行程	Rated Over-travel	3.5±0.5mm
3	平均分闸速度	Average opening speed	1.1±0.2m/s
4	平均合闸速度	Average closing speed	0.8 ±0.2m/s
5	额定触头压力	Rated contact pressure	2500±200N、3200±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	≤2ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	≤1ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	≤2mm

12kV 中心距275mm固封极柱外形图及技术参数
Embedded Pole Drawing and Technical Specifications (Central Space 275mm)

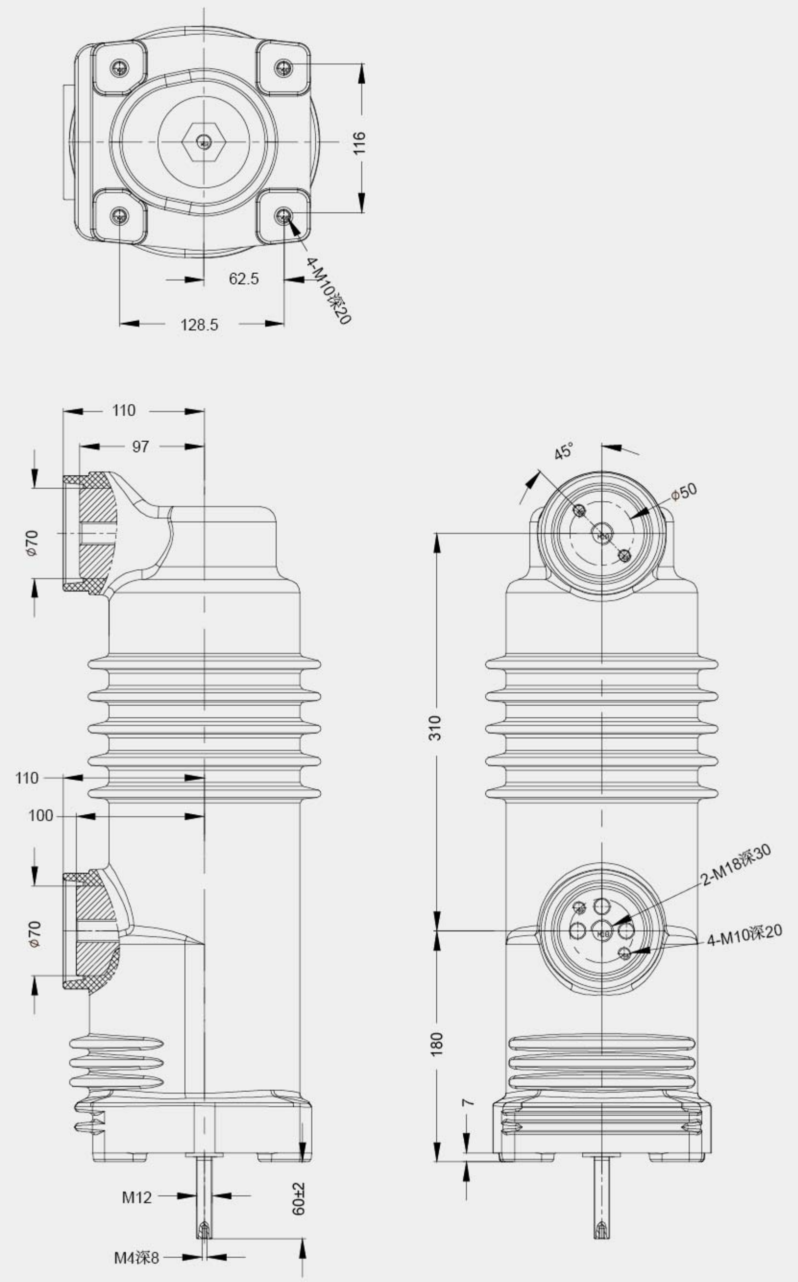


8GDEP.2*3.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	12kV
2	额定电流	Rated current	1250A、1600A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	40kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	63kA
7	额定峰值耐受电流	Rated peak withstand current	63kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	40kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	48kV
12	雷电冲击耐受电压（峰值）	Lighting impulse withstand voltage	85kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤25~30μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	110±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	180±50N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	贮存期	Shelf life	20年 (20 years)
19	局部放电量	Magnitute of partial discharge	≤5pC
20	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	9±1mm
2	额定超行程	Rated Over-travel	3.5±0.5mm
3	平均分闸速度	Average opening speed	1.1±0.2m/s
4	平均合闸速度	Average closing speed	0.8 ±0.2m/s
5	额定触头压力	Rated contact pressure	4200±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	≤2ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	≤1ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	≤2mm

12kV 中心距310mm固封极柱外形图及技术参数
Embedded Pole Drawing and Technical Specifications (Central Space 310mm)



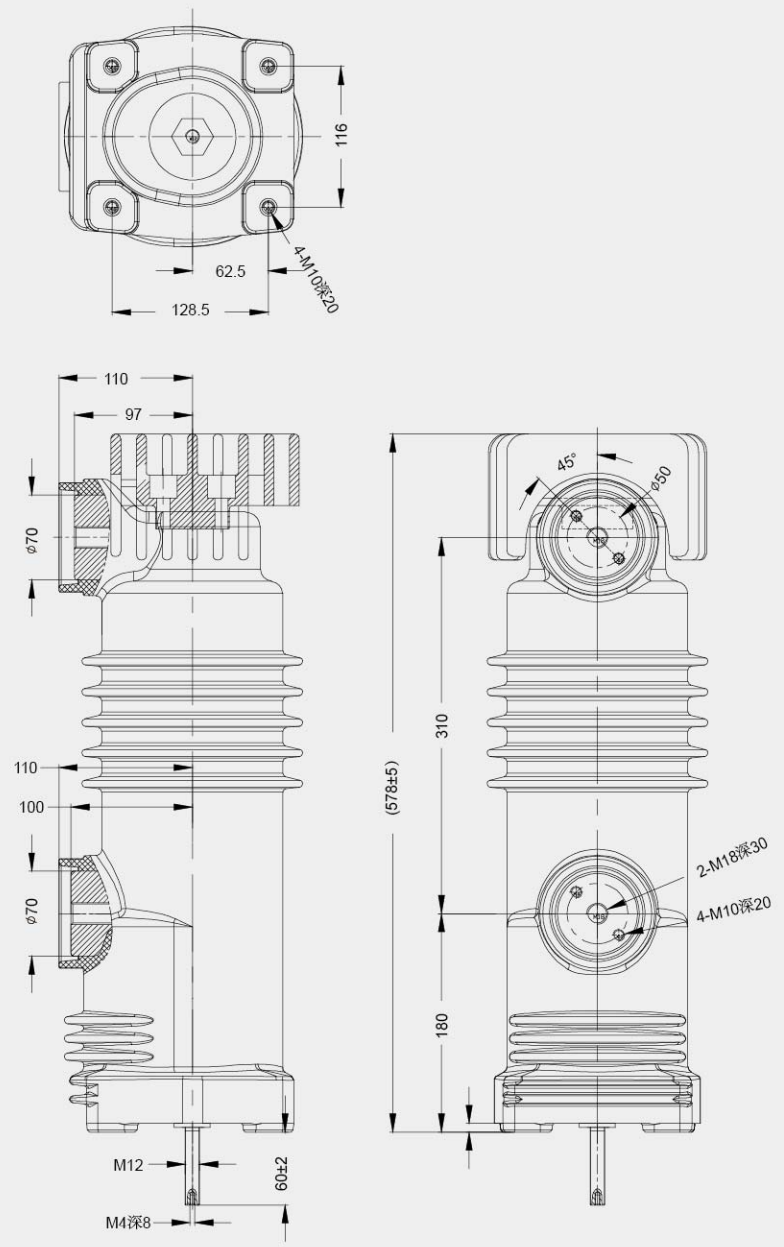
8GDEP.312.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	12kV
2	额定电流	Rated current	1250A、1600A、2000A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	31.5kA、40kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	80kA
7	额定峰值耐受电流	Rated peak withstand current	80kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	31.5kA、40kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	48kV
12	雷电冲击耐受电压（峰值）	Lighting impulse withstand voltage	85kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤20~30μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	110±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	180±50N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	贮存期	Shelf life	20年 (20 years)
19	局部放电量	Magnitute of partial discharge	≤5pC
20	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	9±1mm
2	额定超行程	Rated Over-travel	3.5±0.5mm
3	平均分闸速度	Average opening speed	1.1±0.2m/s
4	平均合闸速度	Average closing speed	0.8 ±0.2m/s
5	额定触头压力	Rated contact pressure	3500±200N、4300±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	⩽2ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	⩽1ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	⩽2mm

12kV 中心距310mm固封极柱外形图及技术参数

Embedded Pole Drawing and Technical Specifications (Central Space 310mm)



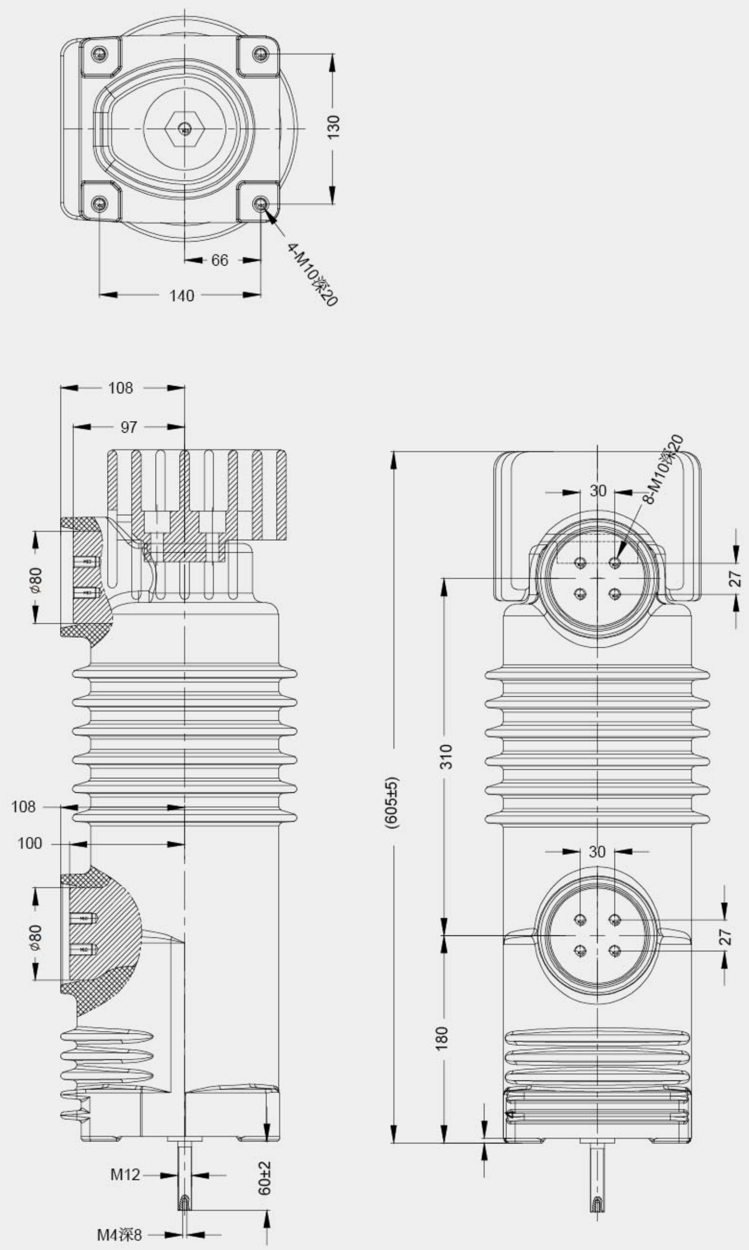
8GDEP.322.***.**

产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	12kV
2	额定电流	Rated current	2500A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	31.5kA、40kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	80kA
7	额定峰值耐受电流	Rated peak withstand current	80kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	31.5kA、40kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	48kV
12	雷电冲击耐受电压（峰值）	Lighting impulse withstand voltage	85kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤20~25μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	110±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	180±50N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	贮存期	Shelf life	20年 (20 years)
19	局部放电量	Magnitute of partial discharge	≤5pC
20	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	9±1mm
2	额定超行程	Rated Over-travel	3.5±0.5mm
3	平均分闸速度	Average opening speed	1.1±0.2m/s
4	平均合闸速度	Average closing speed	0.8 ±0.2m/s
5	额定触头压力	Rated contact pressure	3500±200N、4300±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	≤2ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	≤1ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	≤2mm

12kV 中心距310mm固封极柱外形图及技术参数
Embedded Pole Drawing and Technical Specifications (Central Space 310mm)

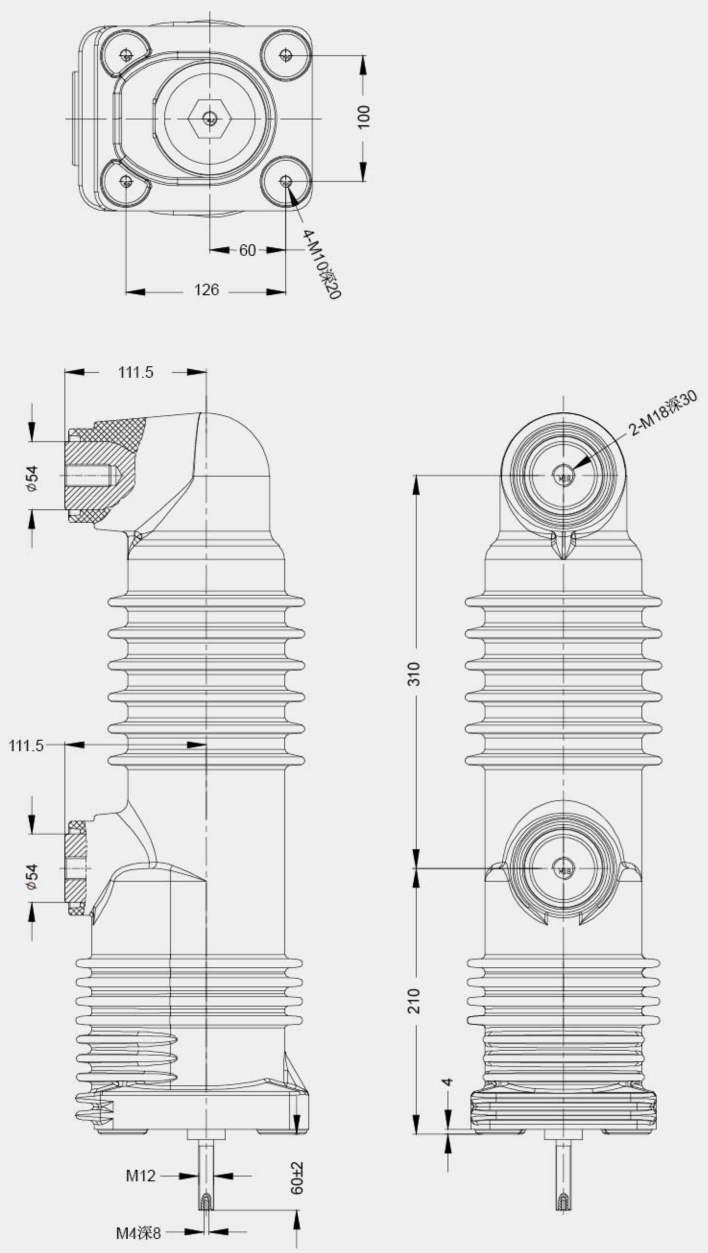


8GDEP.322.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	12kV
2	额定电流	Rated current	2500A、3150A、4000A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	31.5kA、40kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	80kA
7	额定峰值耐受电流	Rated peak withstand current	80kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	31.5kA、40kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	48kV
12	雷电冲击耐受电压（峰值）	Lighting impulse withstand voltage	85kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤20~25μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	210±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	300±60N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	贮存期	Shelf life	20年 (20 years)
19	局部放电量	Magnitute of partial discharge	≤5pC
20	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	9±1mm
2	额定超行程	Rated Over-travel	3.5±0.5mm
3	平均分闸速度	Average opening speed	1.1±0.2m/s
4	平均合闸速度	Average closing speed	0.8 ±0.2m/s
5	额定触头压力	Rated contact pressure	4300±200N、4800±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	⩽2ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	⩽1ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	⩽2mm

24kV 中心距310mm固封极柱外形图及技术参数
Embedded Pole Drawing and Technical Specifications (Central Space 310mm)

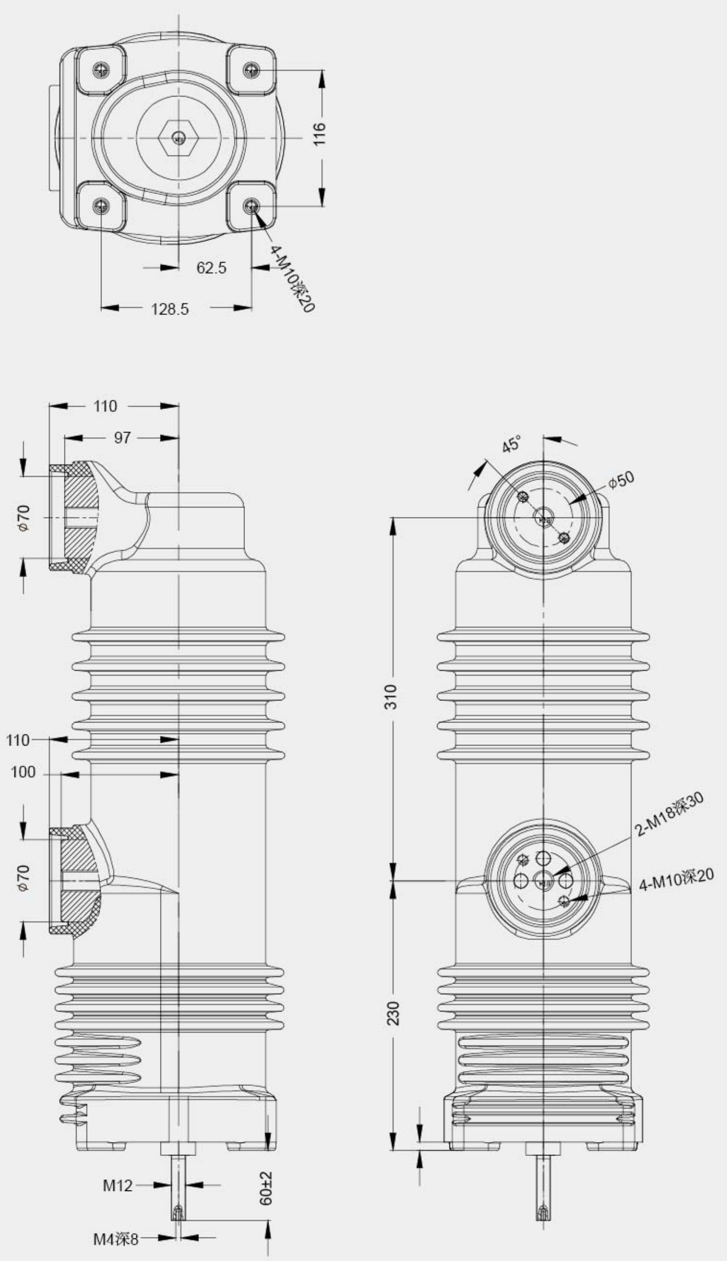


8GDEP.313.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	24kV
2	额定电流	Rated current	630A、1250A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	25kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	63kA
7	额定峰值耐受电流	Rated peak withstand current	63kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	25kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	65kV/79kV
12	雷电冲击耐受电压（峰值）	Lighting impulse withstand voltage	125kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤30μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	110±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	180±50N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	贮存期	Shelf life	20年 (20 years)
19	局部放电量	Magnitute of partial discharge	≤5pC
20	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	12±1mm
2	额定超行程	Rated Over-travel	3.5±0.5mm
3	平均分闸速度	Average opening speed	1.1~1.7m/s
4	平均合闸速度	Average closing speed	0.8~1.2m/s
5	额定触头压力	Rated contact pressure	2500±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	≤2ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	≤2ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	≤2mm

24kV 中心距310mm固封极柱外形图及技术参数
Embedded Pole Drawing and Technical Specifications (Central Space 310mm)

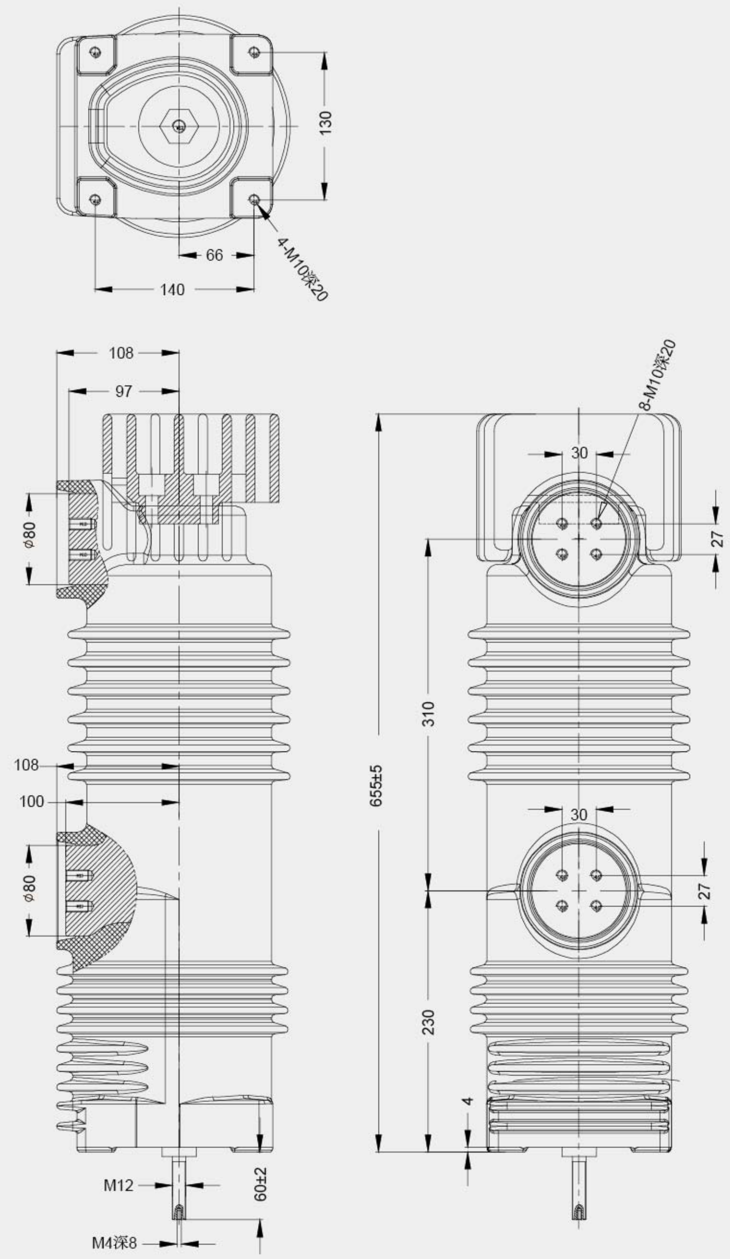


8GDEP.314.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	24kV
2	额定电流	Rated current	1250A、1600A、2000A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	31.5kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	63kA
7	额定峰值耐受电流	Rated peak withstand current	63kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	25kA、31.5kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	65kV/79kV
12	雷电冲击耐受电压（峰值）	Lighting impulse withstand voltage	125kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤20~30μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	110±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	180±50N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	贮存期	Shelf life	20年 (20 years)
19	局部放电量	Magnitute of partial discharge	≤5pC
20	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	12±1mm
2	额定超行程	Rated Over-travel	3.5±0.5mm
3	平均分闸速度	Average opening speed	1.1~1.7m/s
4	平均合闸速度	Average closing speed	0.8~1.2m/s
5	额定触头压力	Rated contact pressure	3500±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	≤2ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	≤2ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	≤2mm

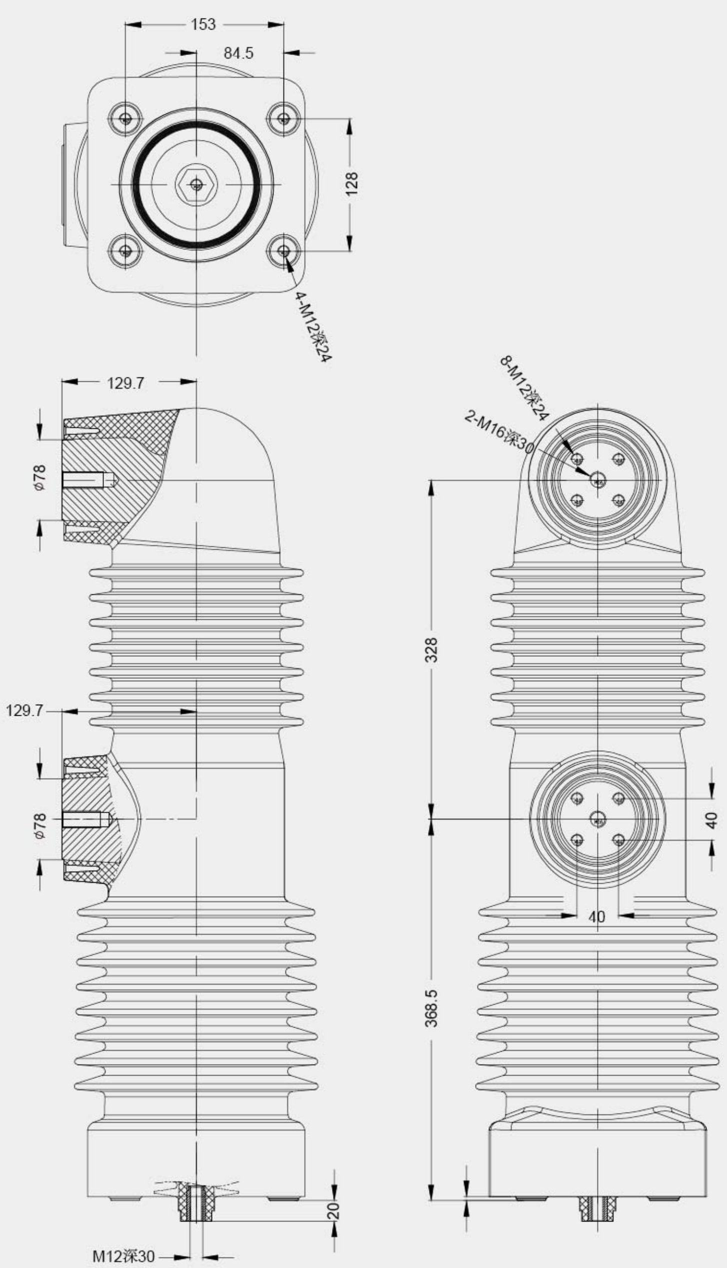
24kV 中心距310mm固封极柱外形图及技术参数
Embedded Pole Drawing and Technical Specifications (Central Space 310mm)



8GDEP.324.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	24kV
2	额定电流	Rated current	2500A、3150A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	31.5kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	63kA
7	额定峰值耐受电流	Rated peak withstand current	63kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	31.5kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	65kV/79kV
12	雷电冲击耐受电压（峰值）	Lighting impulse withstand voltage	125kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤25μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	210±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	300±60N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	贮存期	Shelf life	20年 (20 years)
19	局部放电量	Magnitute of partial discharge	≤5pC
20	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO
配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	12±1mm
2	额定超行程	Rated Over-travel	3.5±0.5mm
3	平均分闸速度	Average opening speed	1.1~1.7m/s
4	平均合闸速度	Average closing speed	0.8~1.2m/s
5	额定触头压力	Rated contact pressure	4300±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	≤2ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	≤2ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	≤2mm

40.5kV 固封极柱外形图及技术参数
Embedded Pole Drawing and Technical Specifications

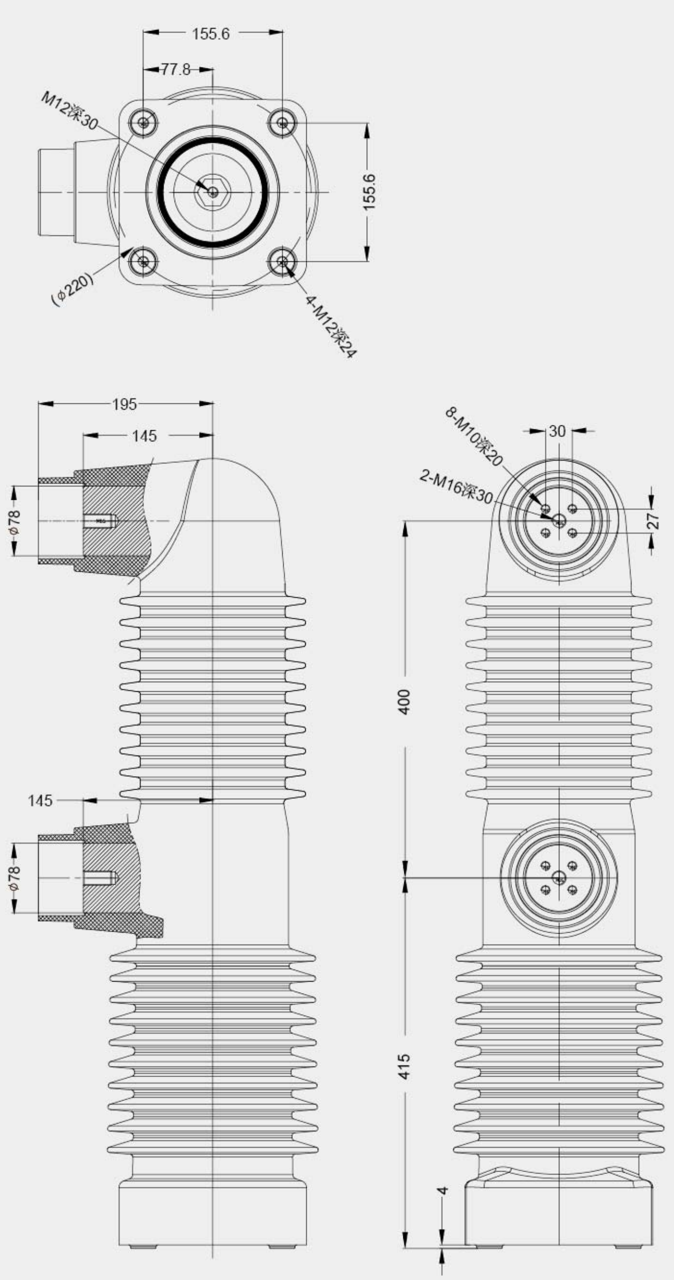


8GDEP.4*0.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	40.5kV
2	额定电流	Rated current	630A、1250A、1600A、2000A、2500A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	25kA、31.5kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	80kA
7	额定峰值耐受电流	Rated peak withstand current	80kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	25kA、31.5kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	95kV
12	雷电冲击耐受电压	Lighting impulse withstand voltage	185kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤20~30μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	250±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	340±60N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	局部放电量	Magnitute of partial discharge	≤5pC
19	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	18±2mm
2	额定超行程	Rated Over-travel	6±1mm
3	平均分闸速度	Average opening speed	1.7±0.2m/s
4	平均合闸速度	Average closing speed	0.8±0.2m/s
5	额定触头压力	Rated contact pressure	3500±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	≤3ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	≤2ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	≤2mm

40.5kV 固封极柱外形图及技术参数
Embedded Pole Drawing and Technical Specifications

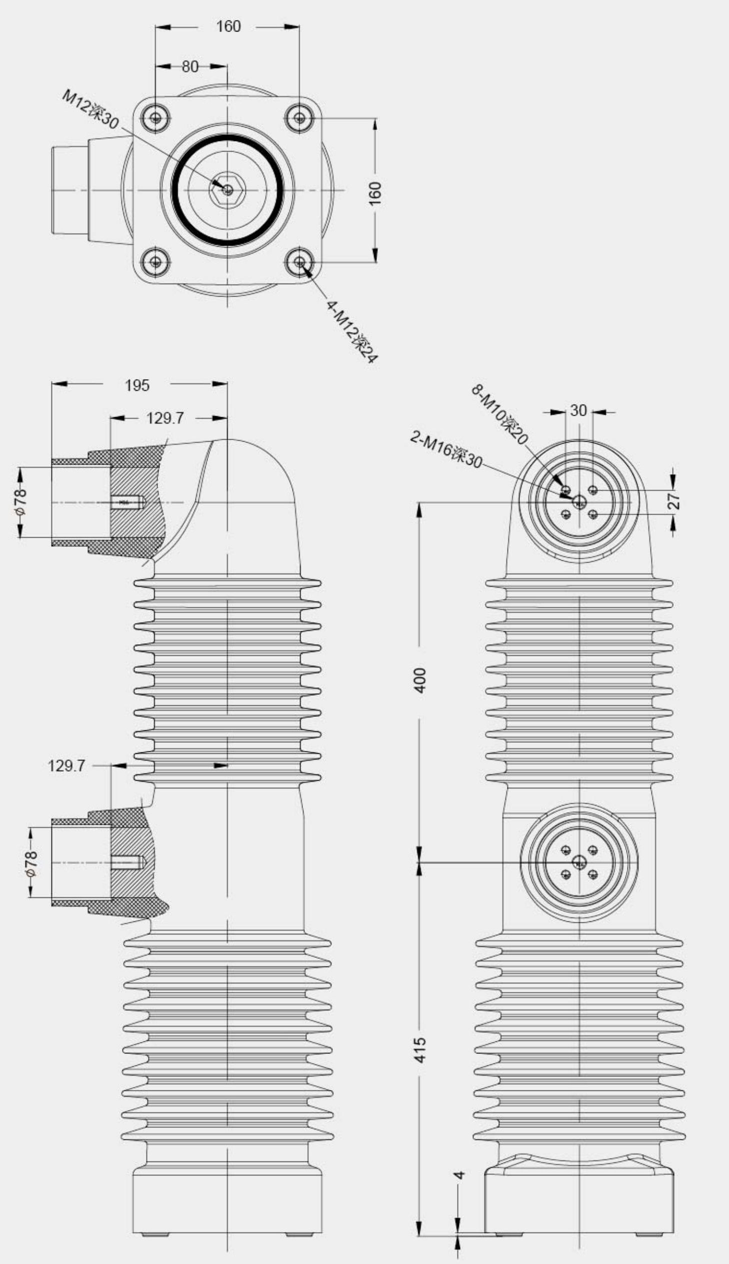


8GDEP.4*0.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	40.5kV
2	额定电流	Rated current	630A、1250A、1600A、2000A、2500A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	25kA、31.5kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	80kA
7	额定峰值耐受电流	Rated peak withstand current	80kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	25kA、31.5kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	95kV
12	雷电冲击耐受电压	Lighting impulse withstand voltage	185kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤20~30μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	250±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	340±60N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	局部放电量	Magnitute of partial discharge	≤5pC
19	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	18±2mm
2	额定超行程	Rated Over-travel	6±1mm
3	平均分闸速度	Average opening speed	1.7±0.2m/s
4	平均合闸速度	Average closing speed	0.8±0.2m/s
5	额定触头压力	Rated contact pressure	3600±200N、4000±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	≤3ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	≤2ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	≤2mm

40.5kV 固封极柱外形图及技术参数
Embedded Pole Drawing and Technical Specifications



8GDEP.4*0.***.**
产品编号 / Product Code

主要技术参数 MAIN TECHNICAL DATA			
1	额定电压	Rated voltage	40.5kV
2	额定电流	Rated current	630A、1250A、1600A、2000A、2500A
3	额定频率	Rated frequency	50Hz
4	额定短路开断电流	Rated short-circuit breaking current	25kA、31.5kA
5	额定短路开断电流开断次数	Switching operations of rated short-circuit breaking current	30次 (30 times)
6	额定短路关合电流	Rated short-circuit making current	80kA
7	额定峰值耐受电流	Rated peak withstand current	80kA
8	额定短时耐受电流(4秒)	Rated short-time withstand current(4s)	25kA、31.5kA
9	额定单个电容器组开断电流	Rated single capacitor bank breaking current	630A
10	额定背对背电容器组开断电流	Rated back-to-back capacitor bank breaking current	400A
11	短时(1min)工频耐受电压	Short-time(1min) power-frequency withstand voltage	95kV
12	雷电冲击耐受电压	Lighting impulse withstand voltage	185kV
13	额定触头压力下的回路电阻	Circuit resistance at Min. rated contact force	≤20~30μΩ
14	机械寿命	Mechanical endurance	10,000次 (10,000 times)
15	触头自闭力	Contact closed force due to bellows and atmosphere	250±60N
16	额定开距下的触头反力	Counter force at rated contact stroke	340±60N
17	触头允许磨损厚度	Contact limit erosion	3mm
18	局部放电量	Magnitute of partial discharge	≤5pC
19	额定操作顺序	Rated operating sequence	O-0.3s-CO-180s-CO

配套的真空开关应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS			
1	触头开距	Clearance between open contacts	18±2mm
2	额定超行程	Rated Over-travel	6±1mm
3	平均分闸速度	Average opening speed	1.7±0.2m/s
4	平均合闸速度	Average closing speed	0.8±0.2m/s
5	额定触头压力	Rated contact pressure	3600±200N、4000±200N
6	触头合闸弹跳时间	Contact bounce duration at closing operation	≤3ms
7	触头分合闸不同期	Out of simultaneity of contact closing and opening	≤2ms
8	分闸触头反弹幅值	Max. rebound of contact at opening operation	≤2mm

SF6气体柜绝缘制品系列及技术参数
Insulating Products for SF6 Gas Insulated Switchgear and Technical Specifications

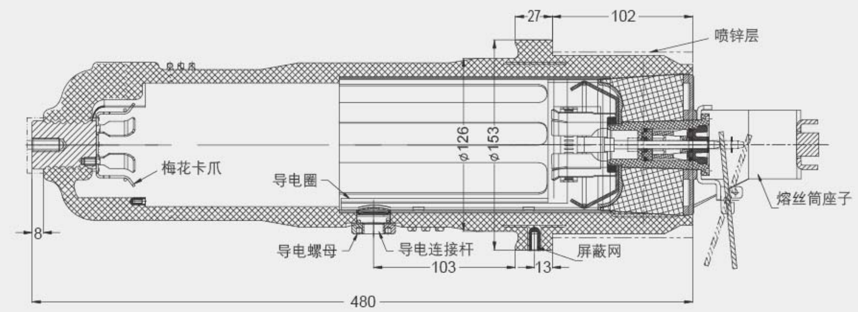
技术参数：

工频耐压：42kV/min
局部放电：13.2kV≤5pC
额定电流：125A
颜　　色：红色

Technical parameters:

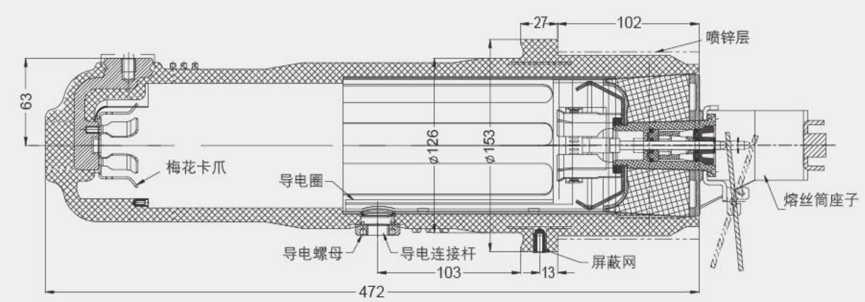
PF: 42kV/min
PD: 13.2kV ≤5pC
Rated current: 125A
Color: Red

12kV 固封式熔丝筒（正出线） 外形图及技术参数
Solid-enveloped Fuse Bushing (positive outgoing) Drawing and Technical Specifications



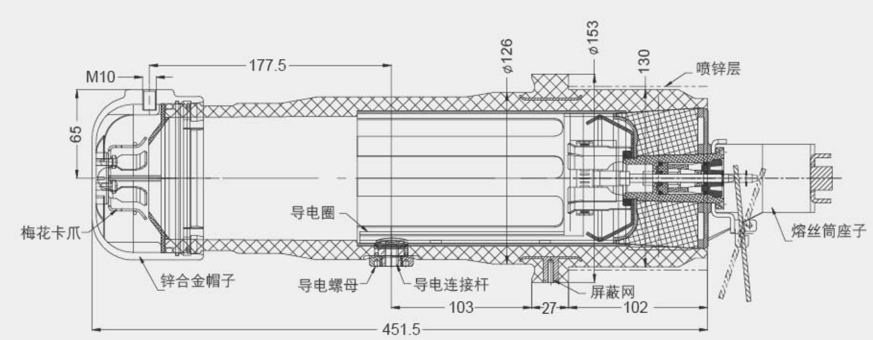
7GDEP.200.101
产品编号 / Product Code

12kV 固封式熔丝筒（侧出线） 外形图及技术参数
Solid-enveloped Fuse Bushing (side outgoing) Drawing and Technical Specifications



7GDEP.200.201
产品编号 / Product Code

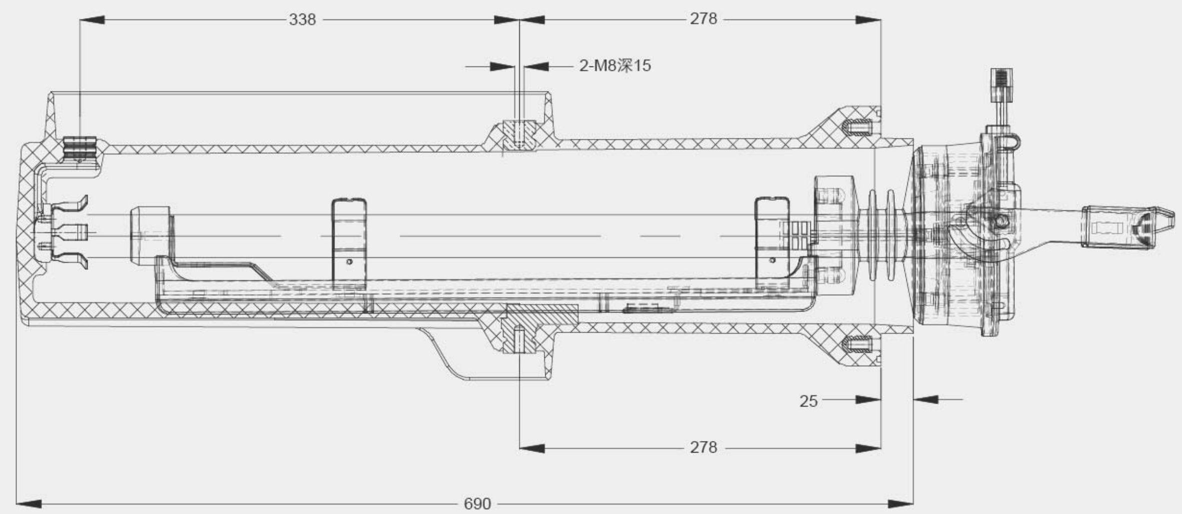
12kV 带帽式熔丝筒 外形图及技术参数
Cap Fuse Bushing Drawing and Technical Specifications

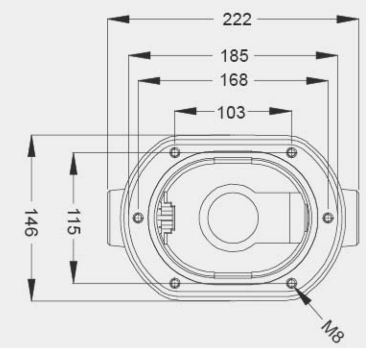


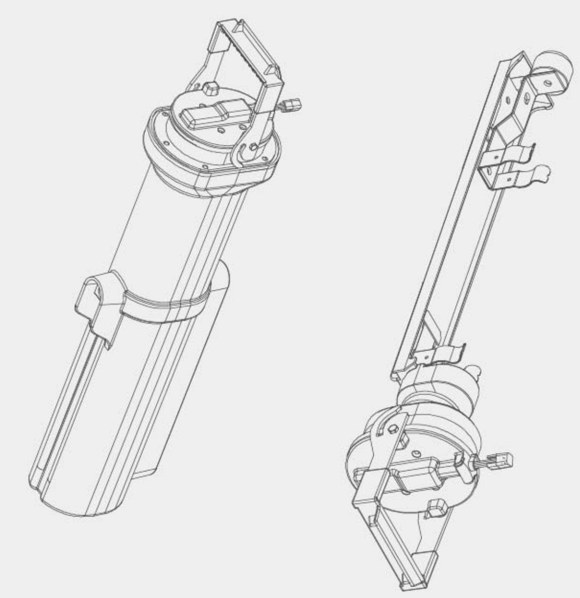
7GDEP.100.001
产品编号 / Product Code

12/24kV OM 熔丝筒 外形图及技术参数

OM Fuse Bushing Drawing and Technical Specifications







技术参数：

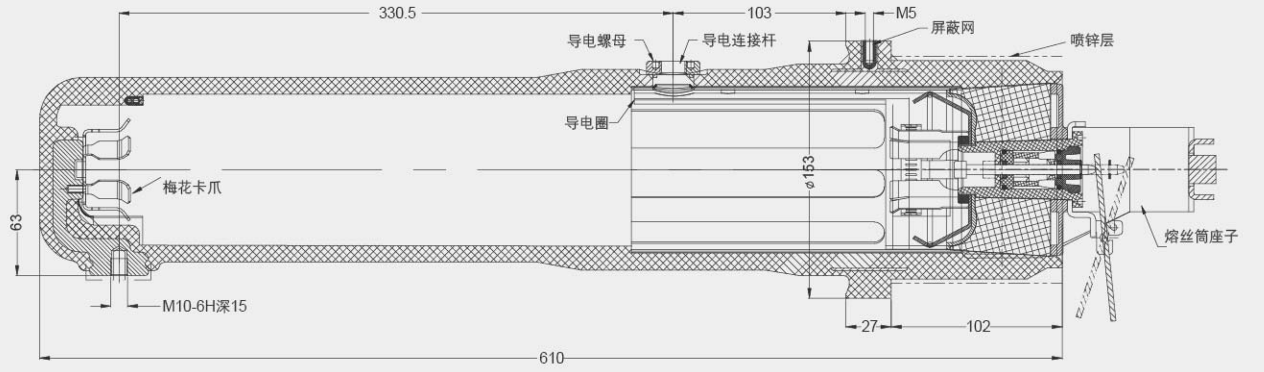
工频耐压：42kV/min、65kV/min
局部放电：13.2kV≤5pC、26.4kV≤5pC
额定电流：125A
颜　　色：枣红色

Technical Parameters:

PF: 42kV/min、65kV/min
PD: 13.2kV≤5pC、26.4kV≤5pC
Rated Current: 125A
Colour: Purplish Red

24kV 固封式熔丝筒 外形图及技术参数
Solid-enveloped Fuse Bushing Drawing and Technical Specifications

7GDEP.200.301
产品编号 / Product Code



技术参数：

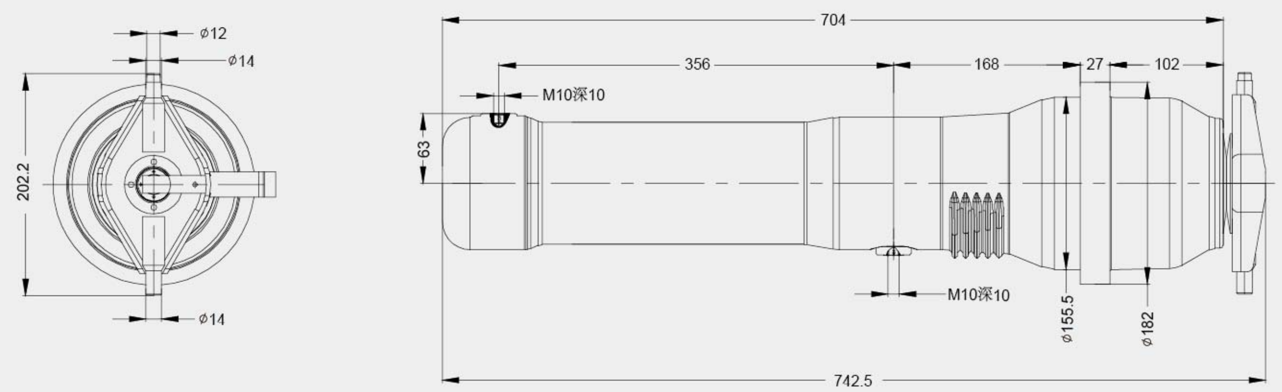
工频耐压：65kV/min
局部放电：26.4kV≤5pC
额定电流：125A
颜　　色：红色

Technical Parameters:

PF: 65kV/min
PD: 26.4kV ≤5pC
Rated current: 125A
Color: red

35kV 固封式熔丝筒 外形图及技术参数
Solid-enveloped Fuse Bushing Drawing and Technical Specifications

7GDEP.700.101
产品编号 / Product Code



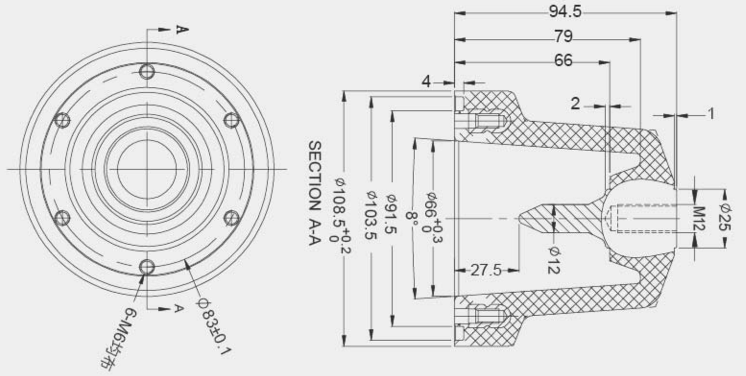
技术参数：

工频耐压：95kV/min
局部放电：45kV≤5pC
额定电流：80A
颜　　色：红色

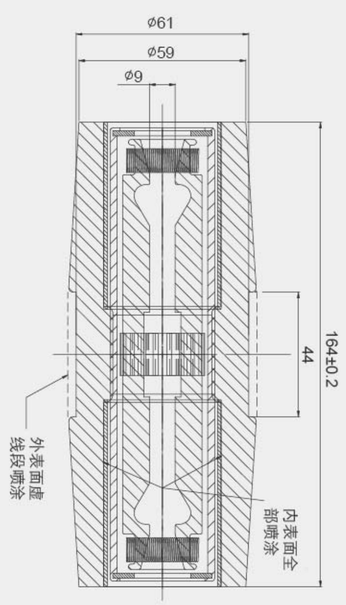
Technical Parameters:

PF: 95kV/min
PD: 45kV≤5pC
Rated Current: 80A
Colour: Red

SF6气体柜侧边扩展套管 外形图及技术参数
Side connect bushing for SF6 gas insulation RMU and Technical Specifications

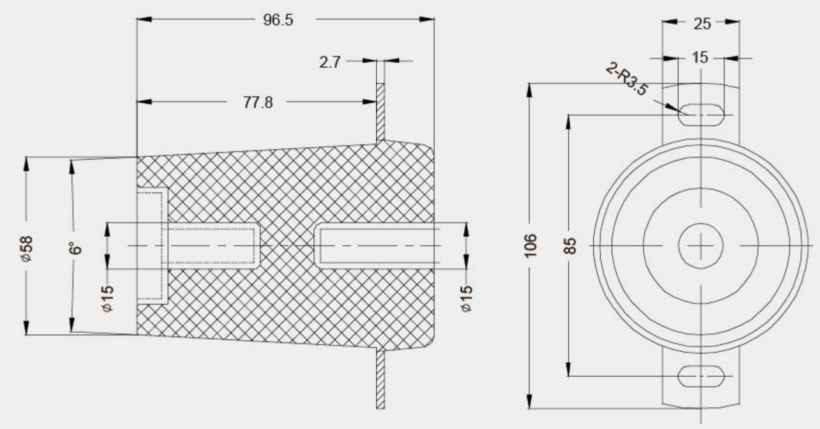


6GDEP.501.001
产品编号 / Product Code

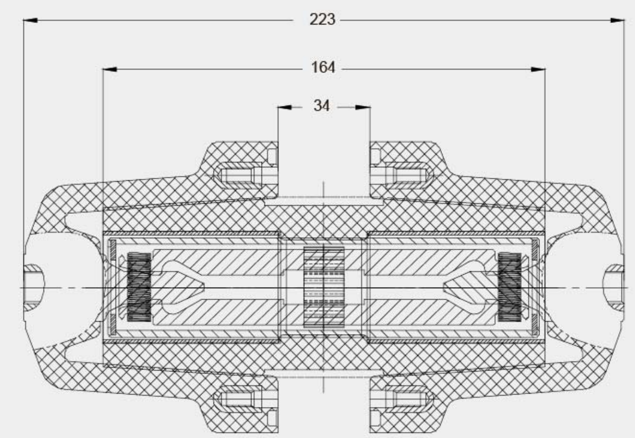


6GDEP.502.001
产品编号 / Product Code

SF6气体柜侧边扩展套管 外形图及技术参数
Side connect bushing for SF6 gas insulation RMU and Technical Specifications



6GDEP.503.001
产品编号 / Product Code



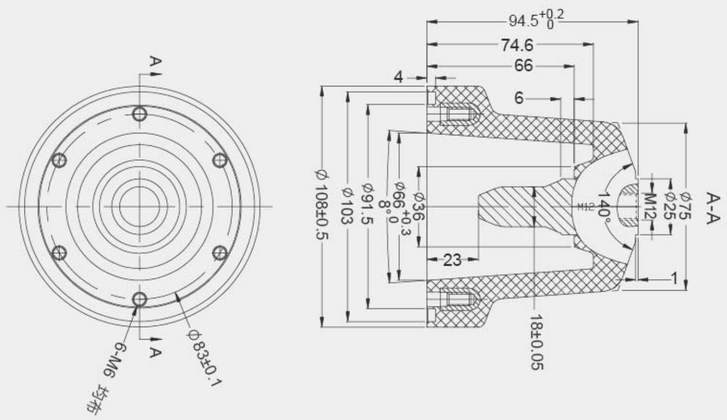
技术参数：

额定电压：12/24kV
工频耐压：48kV/min、79kV/min
局部放电：13.2kV≤5pC、26.4kV≤5pC
额定电流：630A
颜　　色：枣红色

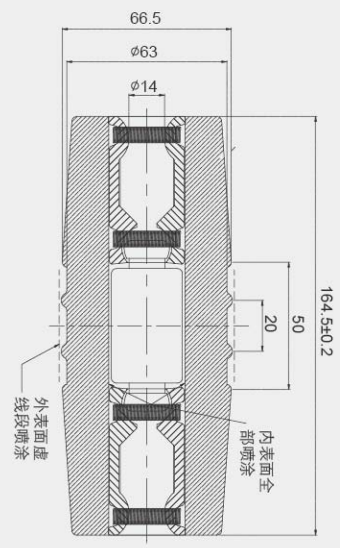
Technical Parameters:

Rated Voltage: 12/24kV
PF: 48kV/min、79kV/min
PD: 13.2kV≤5pC、26.4kV≤5pC
Rated Current: 630A
Colour: Purplish Red

SF6气体柜侧边扩展套管 外形图及技术参数
Side connect bushing for SF6 gas insulation RMU and Technical Specifications

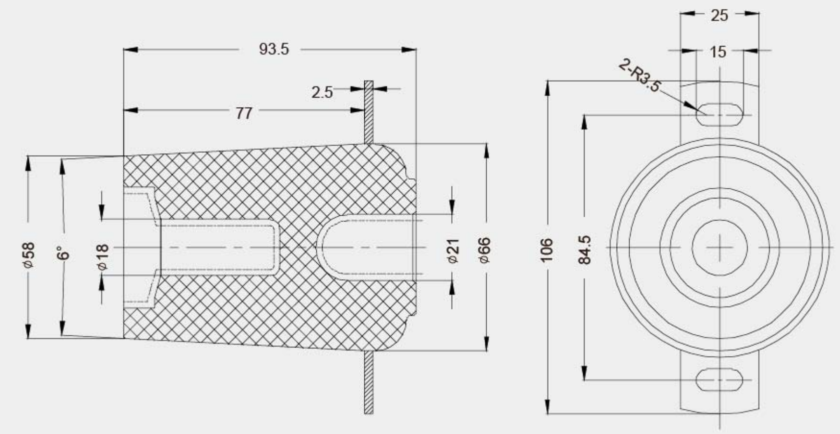


6GDEP.501.002
产品编号 / Product Code

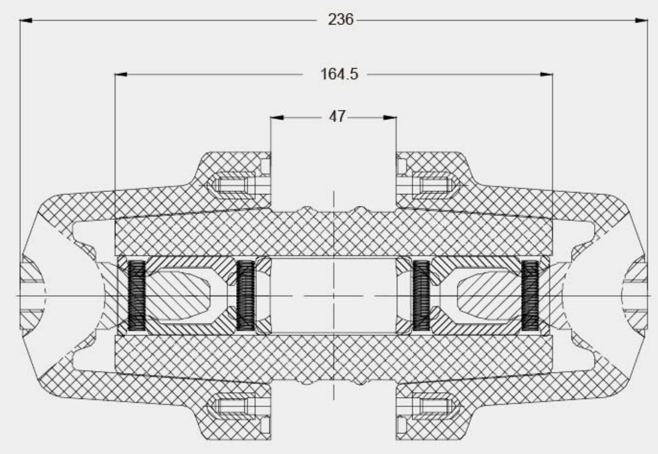


6GDEP.502.002
产品编号 / Product Code

SF6气体柜侧边扩展套管 外形图及技术参数
Side connect bushing for SF6 gas insulation RMU and Technical Specifications



6GDEP.503.002
产品编号 / Product Code



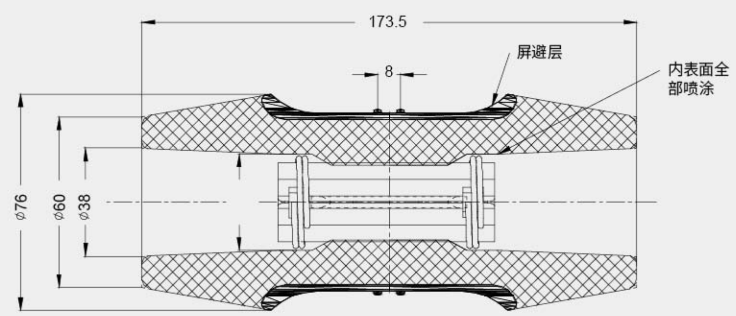
技术参数：

额定电压：12/24kV
工频耐压：48kV/min、79kV/min
局部放电：13.2kV≤5pC、26.4kV≤5pC
额定电流：630A
颜　　色：枣红色

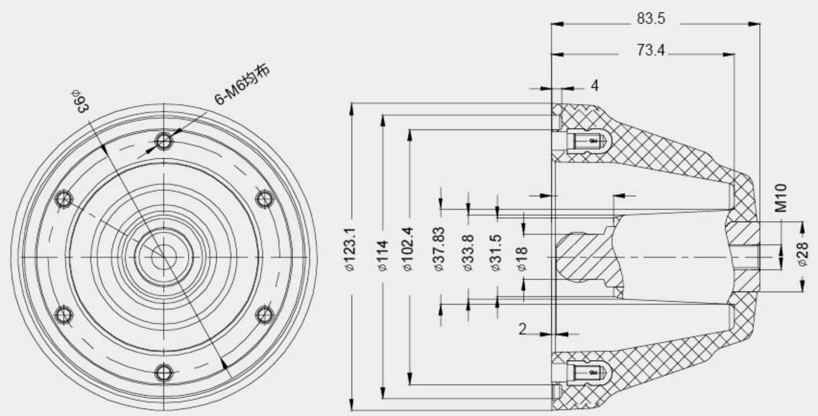
Technical Parameters:

Rated Voltage: 12/24kV
PF: 48kV/min、79kV/min
PD: 13.2kV≤5pC、26.4kV≤5pC
Rated Current: 630A
Colour: Purplish Red

SF6气体柜侧边扩展套管 外形图及技术参数
Side connect bushing for SF6 gas insulation RMU and Technical Specifications



6GDEP.502.004
产品编号 / Product Code



6GDEP.501.004
产品编号 / Product Code

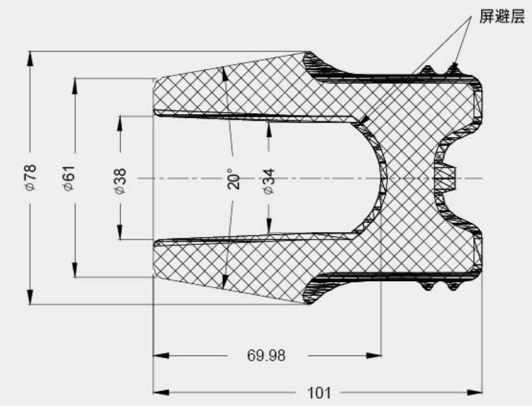
技术参数：

额定电压：12/24kV
工频耐压：48kV/min、79kV/min
局部放电：13.2kV≤5pC、26.4kV≤5pC
额定电流：630A
颜　　色：枣红色

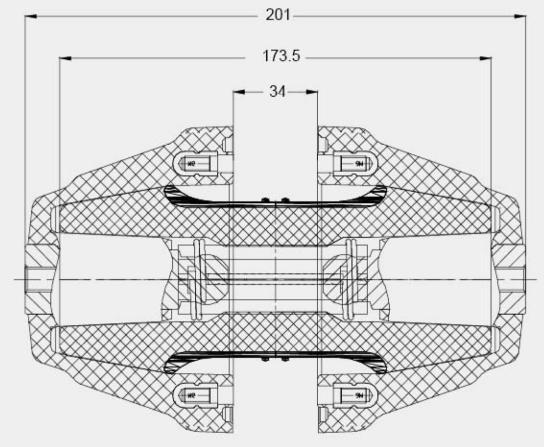
Technical Parameters:

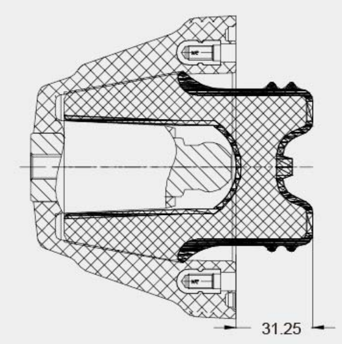
Rated Voltage: 12/24kV
PF: 48kV/min、79kV/min
PD: 13.2kV≤5pC
Rated Current: 630A
Colour: Purplish Red

SF6气体柜侧边扩展套管 外形图及技术参数
Side connect bushing for SF6 gas insulation RMU and Technical Specifications

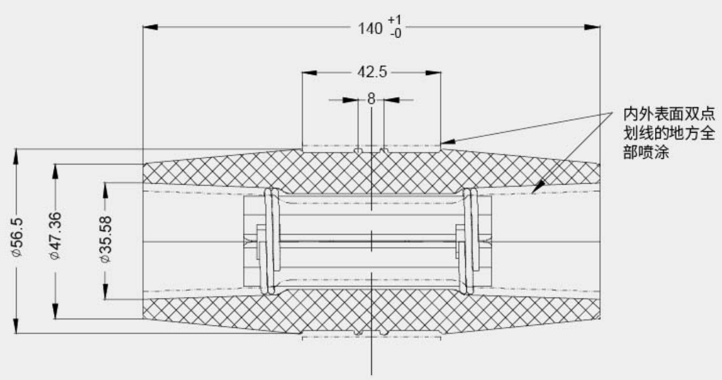


6GDEP.503.004
产品编号 / Product Code

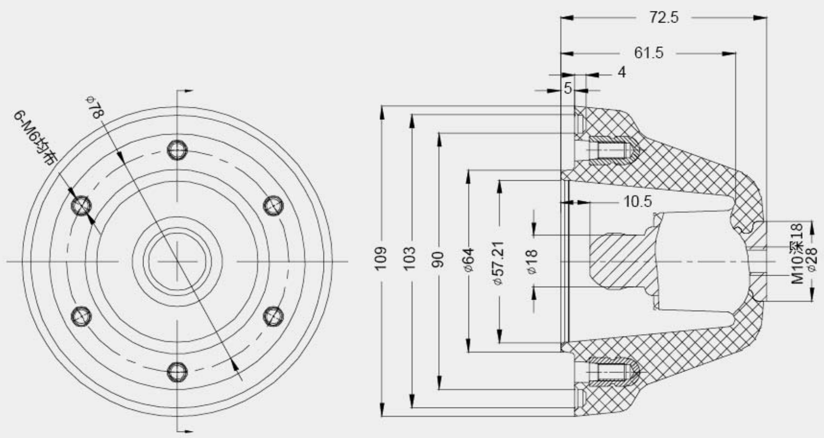




SF6气体柜侧边扩展套管 外形图及技术参数
Side connect bushing for SF6 gas insulation RMU and Technical Specifications



6GDEP.502.006
产品编号 / Product Code



6GDEP.501.005
产品编号 / Product Code

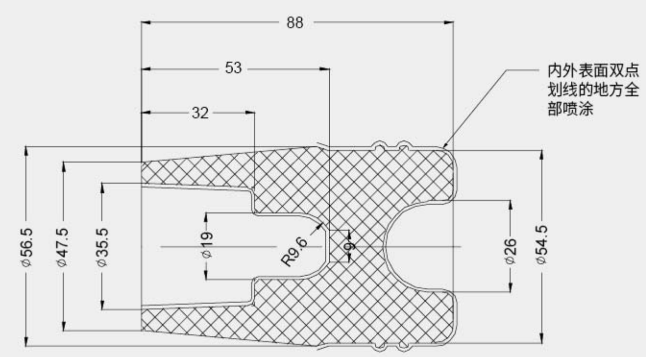
技术参数：

额定电压：12/24kV
工频耐压：48kV/min、79kV/min
局部放电：13.2kV≤5pC、26.4kV≤5pC
额定电流：630A
颜　　色：枣红色

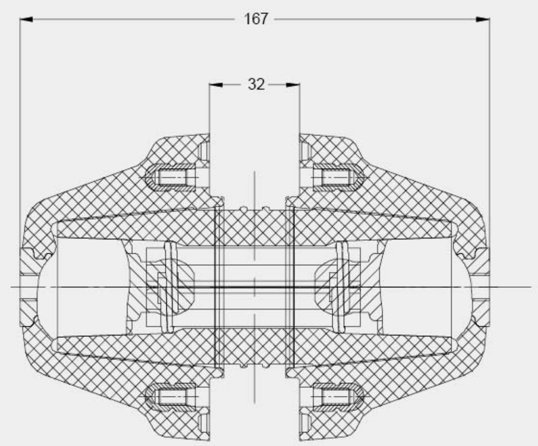
Technical Parameters:

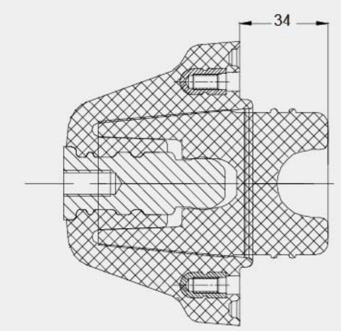
Rated Voltage: 12/24kV
PF: 48kV/min、79kV/min
PD: 13.2kV≤5pC、62.4kV≤5pC
Rated Current: 630A
Colour: Purplish Red

SF6气体柜侧边扩展套管 外形图及技术参数
Side connect bushing for SF6 gas insulation RMU and Technical Specifications

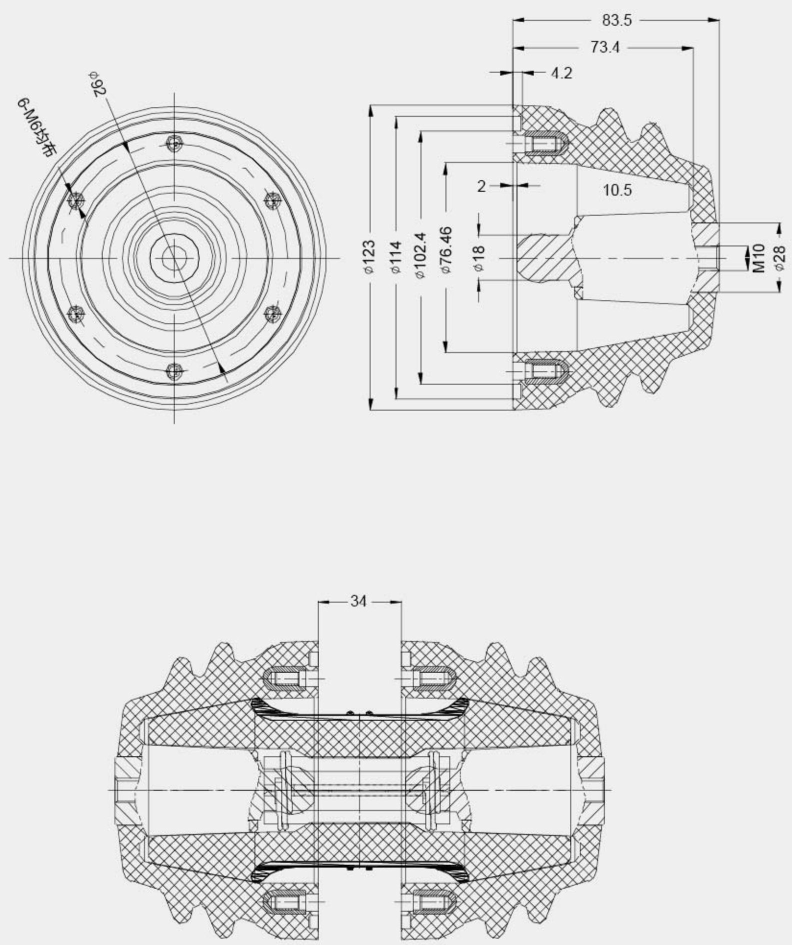


6GDEP.503.005
产品编号 / Product Code





环保气体柜侧扩套管 外形图及技术参数
Side Connect Bushing for environmental protection gas cabinet for GIS Drawings and Technical Specifications



10GDEP.008.008
产品编号 / Product Code

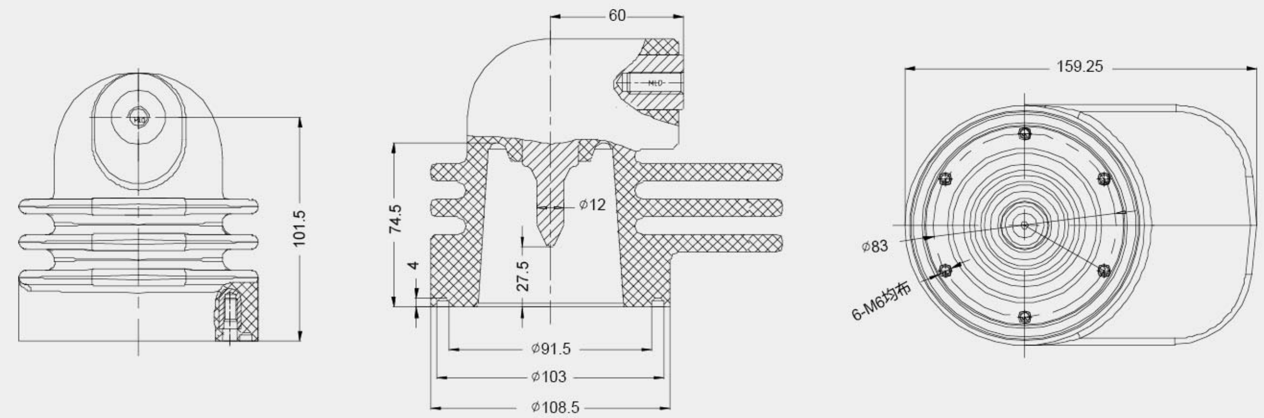
技术参数：

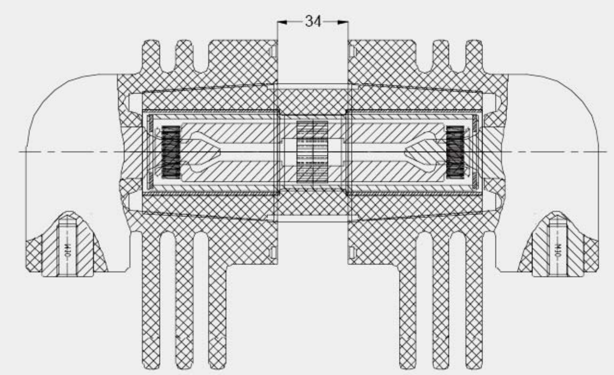
额定电压：12kV
工频耐压：48kV/min
局部放电：13.2kV≤5pC
额定电流：630A
颜　　色：枣红色

Technical Parameters:

Rated Voltage: 12kV
PF: 48kV/min
PD: 13.2kV≤5pC
Rated Current: 630A
Colour: Purplish Red

环保气体柜侧扩套管 外形图及技术参数
Side Connect Bushing for environmental protection gas cabinet for GIS Drawings and Technical Specifications





6GDEP.501.003
产品编号 / Product Code

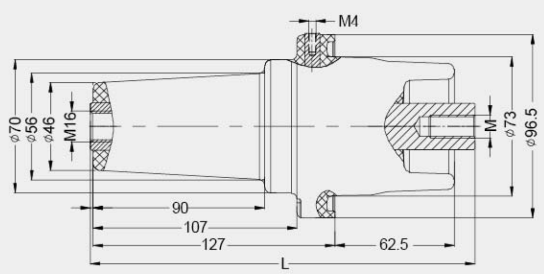
技术参数：

额定电压：12kV
工频耐压：48kV/min
局部放电：13.2kV≤5pC
额定电流：630A
颜　　色：枣红色

Technical Parameters:

Rated voltage: 12kV
PF: 48kV/min
PD: 13.2kV≤5pC
Rated Current: 630A
Colour: Purplish Red

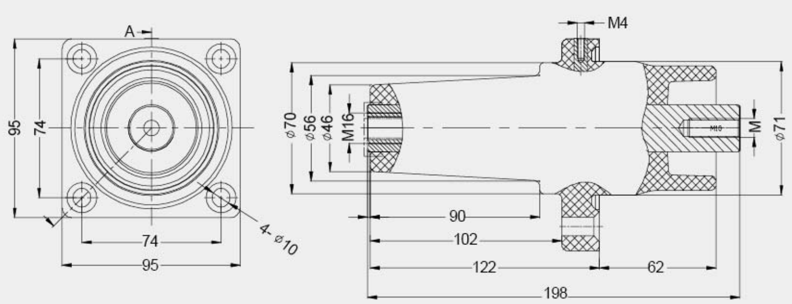
双通套管 外形图及技术参数
Bushing Drawing and Technical Specifications



12/24kV
181/202 套管(Bushing)

6GDEP.202.***
6GDEP.181.***
产品编号 / Product Code

L	202	181
M	M12	M12*1.0



12/24kV
181/198 方套管(Bushing)

6GDEP.198.***
6GDEP.181.***
产品编号 / Product Code

L	198	181
M	M10	M12*1.0

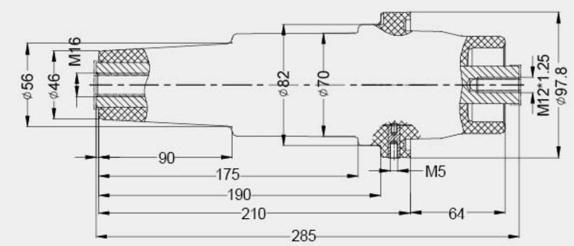
技术参数：

工频耐压：48kV/min、79kV/min
局部放电：13.2kV≤5pC、26.4kV≤5pC
额定电流：630A/1250A
电 容 值：18±2PF
颜　　色：红色、绿色
配用密封圈规格：Φ73*Φ6（内径*线径）

Technical Parameters:

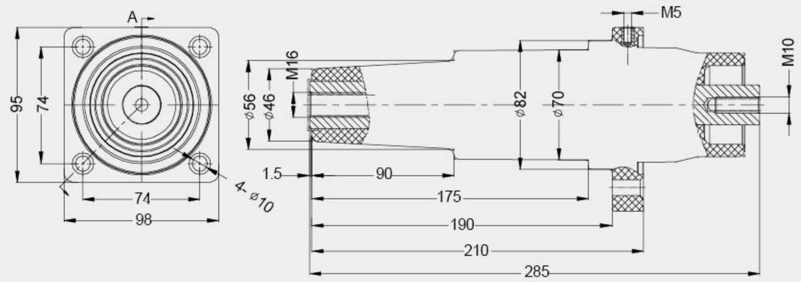
PF: 48kV/min, 79kV/min
PD: 13.2kV≤5pC, 26.4kV≤5pC
Rated current: 630A/1250A
Capacitance value: 18 ± 2PF
Color: red, green
Sealingring: Φ73 * Φ6 (inside diameter * line diameter)

双通套管 外形图及技术参数
Bushing Drawing and Technical Specifications



12/24kV
285套管(Bushing)

6GDEP.285.***
产品编号 / Product Code



12/24kV
285方套管(Bushing)

6GDEP.285.***
产品编号 / Product Code

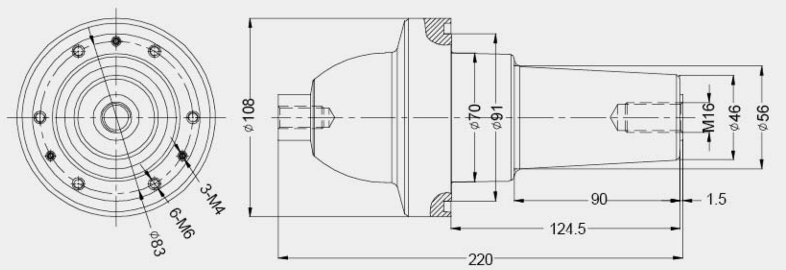
技术参数：

工频耐压：48kV/min、79kV/min
局部放电：13.2kV≤5pC、26.4kV≤5pC
额定电流：630A/1250A
电 容 值：18±2PF
颜　　色：红色、绿色
配用密封圈规格：Φ73*Φ6（内径*线径）

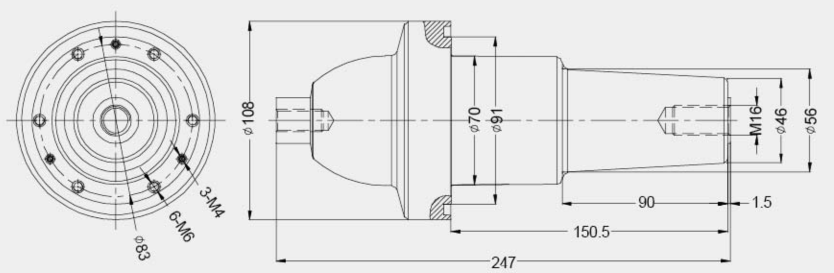
Technical Parameters:

PF: 48kV/min, 79kV/min
PD: 13.2kV≤5pC, 26.4kV≤5pC
Rated current: 630A/1250A
Capacitance value: 18 ± 2PF
Color: red, green
Sealingring: Φ73 * Φ6 (inside diameter * line diameter)

双通套管外形图及技术参数
Bushing Drawing and Technical Specifications



12/24kV
220套管(Bushing)
6GDEP.220.***
产品编号 / Product Code

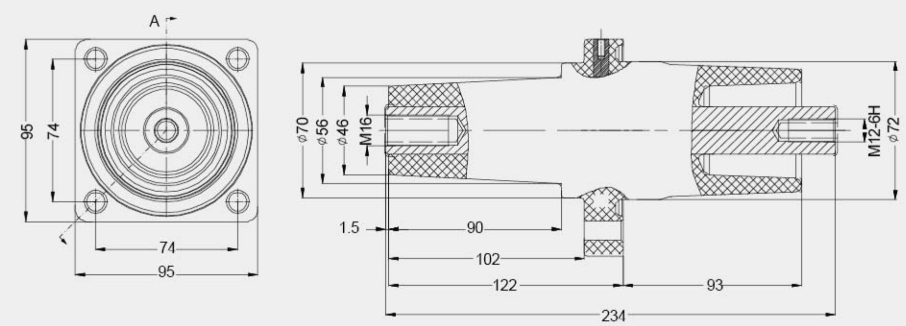


12/24kV
247套管(Bushing)
6GDEP.247.***
产品编号 / Product Code

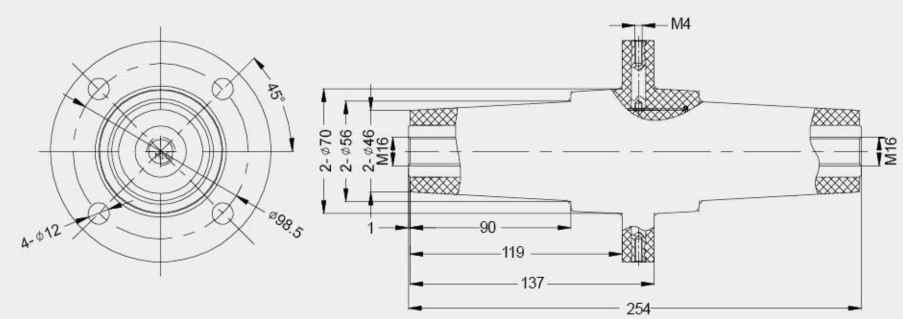
技术参数：
工频耐压：48kV/min、79kV/min
局部放电：13.2kV≤5pC、26.4kV≤5pC
额定电流：630A/1250A
电 容 值：18±2PF
颜　　色：枣红色
配用密封圈规格：Φ92*Φ5（内径*线径）

Technical Parameters:
PF: 48kV/min, 79kV/min
PD: 13.2kV≤5pC, 26.4kV≤5pC
Rated current: 630A/1250A
Capacitance value: 18±2PF
Color: Purplish Red
Sealingring: Φ92* Φ5 (inside diameter * line diameter)

双通套管 外形图及技术参数
Bushing Drawing and Technical Specifications



12/24kV
234方套管(Bushing)
6GDEP.234.***
产品编号 / Product Code

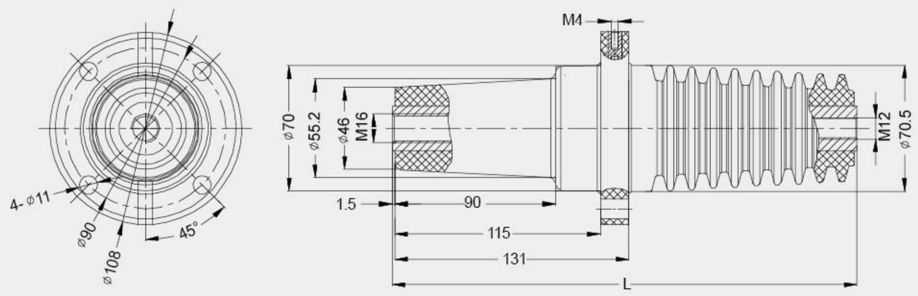


12/24kV
254套管(Bushing)
6GDEP.254.***
产品编号 / Product Code

技术参数：
工频耐压：48kV/min、79kV/min
局部放电：13.2kV≤5pC、26.4kV≤5pC
额定电流：630A/1250A
电 容 值：18±2PF
颜　　色：红色、绿色(6GDEP.234)，红色(6GDEP.254)
配用密封圈规格：Φ73*Φ6（内径*线径）

Technical Parameters:
PF: 48kV/min, 79kV/min
PD: 13.2kV≤5pC, 26.4kV≤5pC
Rated current: 630A/1250A
Capacitance value: 18±2PF
Color: red, green(6GDEP.234) , red(6GDEP.254)
Sealingring: Φ73 * Φ6 (inside diameter * line diameter)

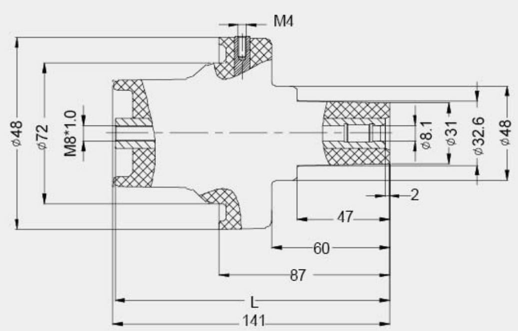
双通套管外形图及技术参数
Bushing Drawing and Technical Specifications



12kV
260/280带伞裙套管(Bushing)

6GDEP.260.***
6GDEP.280.***
产品编号 / Product Code

L	260	280



12kV
140/160套管(Bushing)

6GDEP.140.001
6GDEP.160.001
产品编号 / Product Code

L	140	260

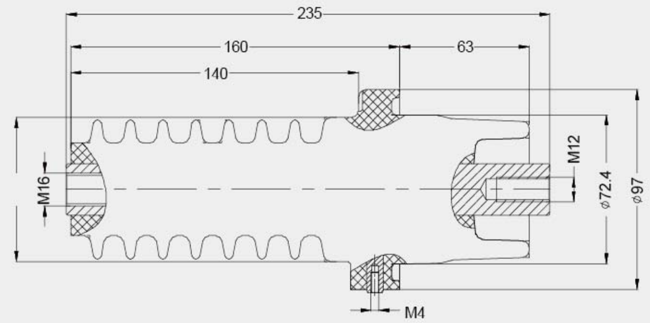
技术参数：

工频耐压：48kV/min
局部放电：13.2kV≤5pC、26.4kV≤5pC
额定电流：630A/1250A(6GDEP.260/280)、250 A(6GDEP.140/160)
电 容 值：18±2PF
颜　　色：红色(6GDEP.260/280)、绿色(6GDEP.140/160)

Technical Parameters:

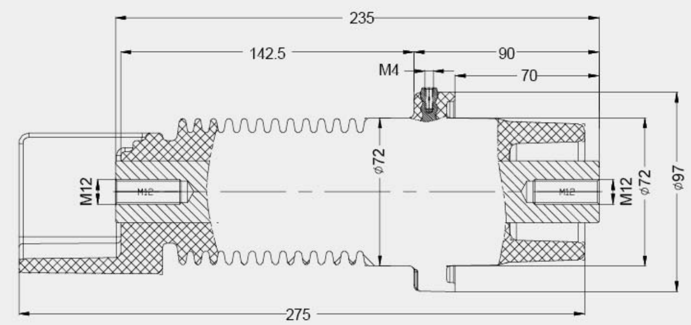
PF: 48kV/min, 79kV/min
PD: 13.2kV≤5pC、26.4kV≤5pC
Rated current: 630A/1250A、250(6GDEP 140/160)
Capacitance value: 18 ± 2PF
Color: Red(6GDEP.260/280)、green(6GDEP.140/160)

SF6气体计量柜套管 外形图及技术参数
SF6 gas insulation measurement unit bushing and Technical Specifications



12kV
235套管(Bushing)

6GDEP.235.***
产品编号 / Product Code



12kV
235方套管(Bushing)

6GDEP.235.***
产品编号 / Product Code

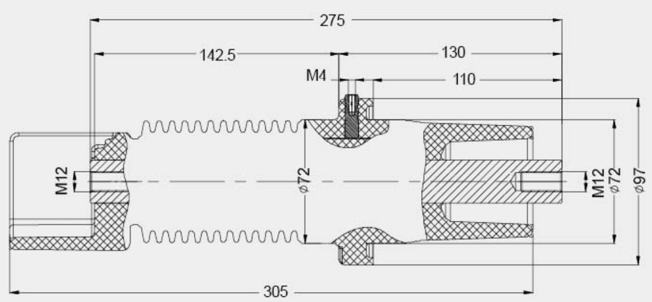
技术参数：

工频耐压：48kV/min
局部放电：13.2kV≤5pC
额定电流：630A/1250A
电 容 值：18±2PF
颜　　色：棕色、绿色(6GDEP.235 套管)、绿色(6GDEP.235 方套管)
配用密封圈规格：Φ73*Φ6（内径*线径）

Technical Parameters:

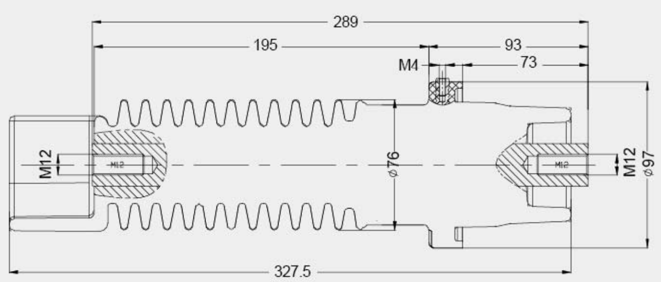
PF: 48kV/min, 79kV/min
PD: 13.2kV≤5pC
Rated current: 630A/1250A
Capacitance value: 18 ± 2PF
Color: Brown, green(6GDEP.235)、green(6GDEP.235)
Sealingring: Φ73 * Φ6 (inside Diameter * line diameter)

SF6气体计量柜套管 外形图及技术参数
SF6 gas insulation measurement unit bushing and Technical Specifications



12kV
275方套管(Bushing)

6GDEP.275.***
产品编号 / Product Code



24kV
289方套管(Bushing)

6GDEP.289.***
产品编号 / Product Code

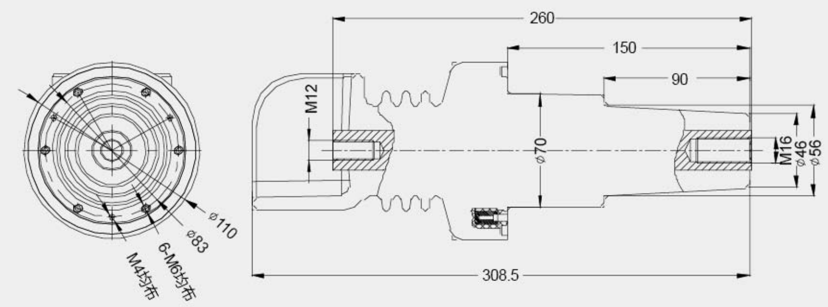
技术参数：

工频耐压：48kV/min(6GDEP.275)、79kV/min(6GDEP.289)
局部放电：13.2kV≤5pC(6GDEP.275)、26.4kV≤5pC(6GDEP.289)
额定电流：630A
电 容 值：18±2PF
颜　　色：绿色(6GDEP.275)、枣红色(6GDEP.289)
配用密封圈规格：Φ73*Φ6（内径*线径）

Technical Parameters:

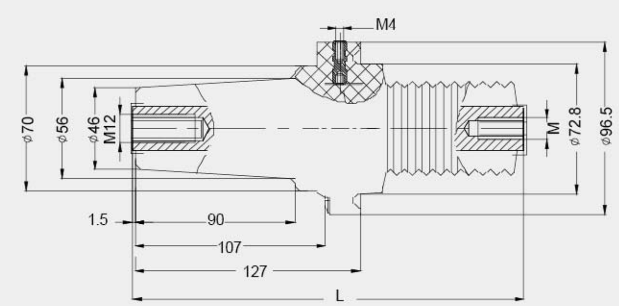
PF: 48kV/min(6GDEP.275)、79kV/min(6GDEP.289)
PD: 13.2kV≤5pC(6GDEP.275)、26.4kV≤5pC(6GDEP.289)
Rated current: 630A
Capacitance value: 18 ± 2PF
Color: Green(6GDEP.275)、Purplish Red(6GDEP.289)
Sealingring: Φ73 * Φ6 (inside Diameter * line diameter)

环保气体柜套管 外形图及技术参数
Environmentally friendly gas insulation RUM bushing and Technical Specifications



12kV
260进出线套管(Bushing)

6GDEP.260.***
产品编号 / Product Code



12kV
220/235带伞裙套管(Bushing)

6GDEP.220.***
6GDEP.235.***
产品编号 / Product Code

L	220	220	235
M	M12	M12*1.0	M10

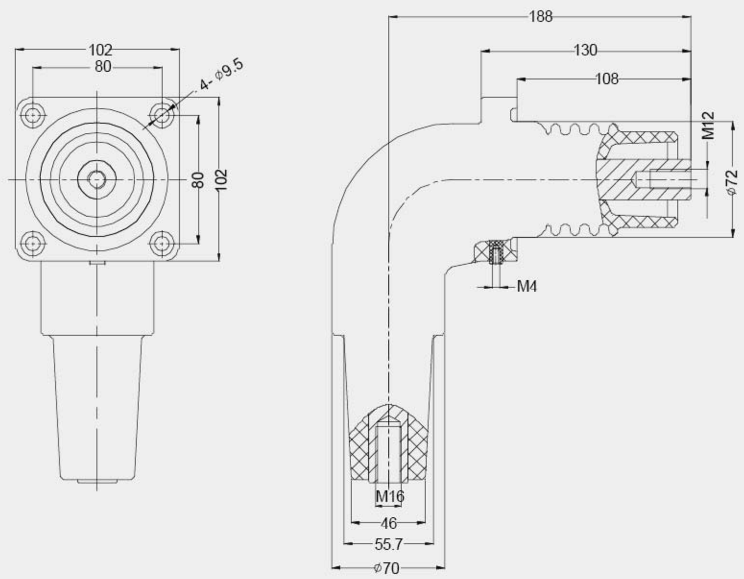
技术参数：

工频耐压：48kV/min
局部放电：13.2kV≤5pC
额定电流：630A/1250A
电 容 值：18±2PF
颜　　色：枣红色(6GDEP.260)、红色/绿色(6GDEP.220/235)
配用密封圈规格：Φ92*Φ5(6GDEP.260)、Φ73*Φ6(6GDEP.260)（内径*线径）

Technical Parameters:

PF: 48kV/min, 79kV/min
PD: 13.2kV≤5pC, 26.4kV≤5pC
Rated current:630A/1250A
Capacitance value: 18 ± 2PF
Color: Purplish red(6GDEP.260)、red/green(6GDEP.220/235)
Sealingring: Φ92*Φ5(6GDEP.260)、Φ73*Φ6(6GDEP.260) (inside diameter * line diameter)

环保气体柜套管 外形图及技术参数
Environmentally friendly gas insulation RUM bushing and Technical Specifications



12kV
复合弯角套管(Bushing)

9GDEP.004.001
产品编号 / Product Code

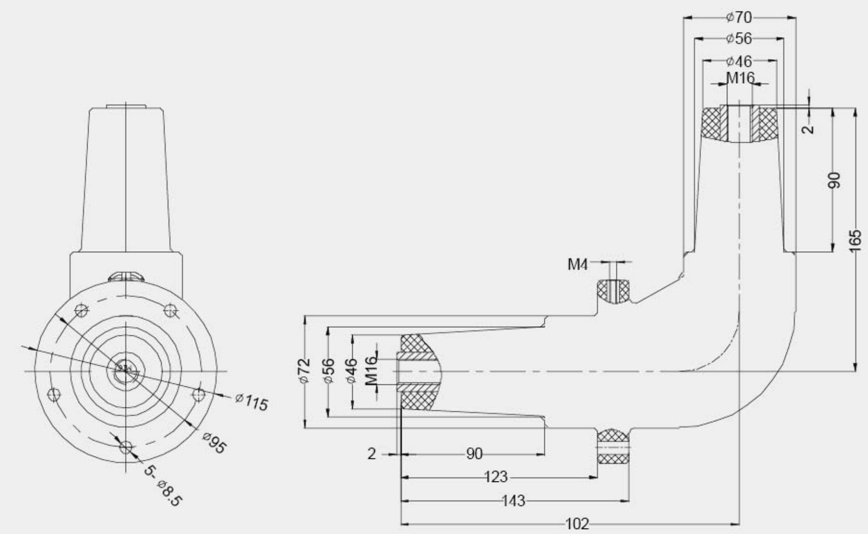
技术参数：

工频耐压：48kV/min
局部放电：13.2kV≤5pC
额定电流：630A/1250A
电 容 值：18±2PF
颜　　色：枣红色
配用密封圈规格：Φ73*Φ6（内径*线径）

Technical Parameters:

PF: 48kV/min
PD: 13.2kV≤5pC
Rated current: 630A/1250A
Capacitance value: 18 ± 2PF
Color: Purplish red
Sealingring: Φ73 * Φ6 (inside diameter * line diameter)

环保气体柜套管 外形图及技术参数
Environmentally friendly gas insulation RUM bushing and Technical Specifications



12kV
PT接头(Bushing)

9GDEP.002.006
产品编号 / Product Code

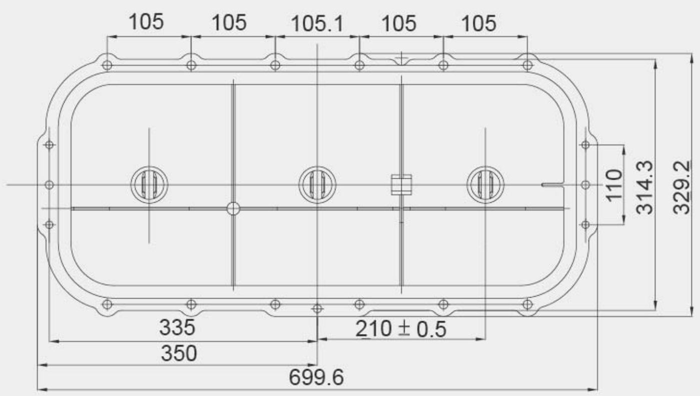
技术参数：

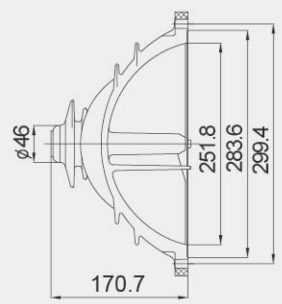
工频耐压：48kV/min
局部放电：13.2kV≤5pC
额定电流：630A
电 容 值：18±2PF
颜　　色：红色

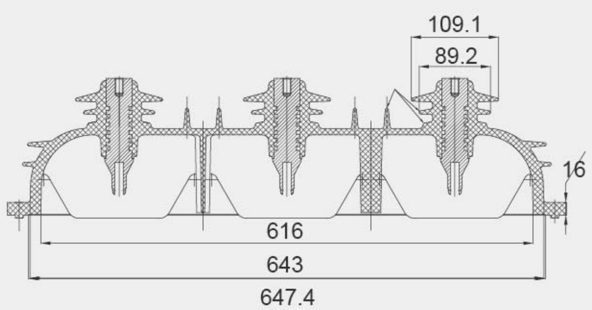
Technical Parameters:

PF: 48kV/min, 79kV/min
PD: 13.2kV≤5pC
Rated current: 630A
Capacitance value: 18 ± 2PF
Color: Red

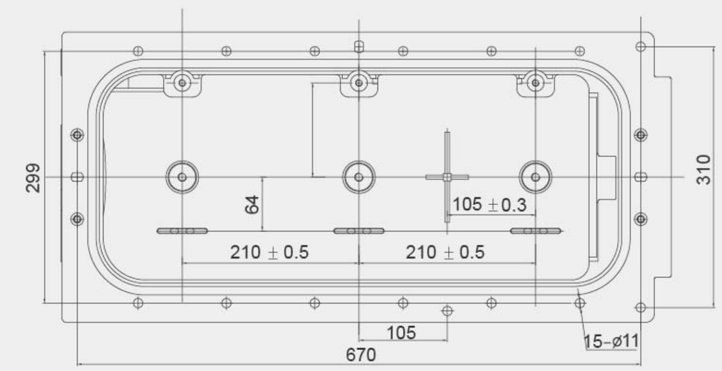
FLN36-12 外形图及技术参数
Drawing and Technical Specifications

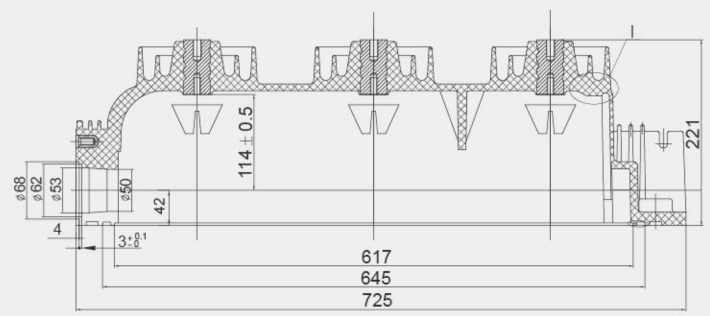






5GDEP.36*.***
产品编号 / Product Code





5GDEP.36*.***
产品编号 / Product Code

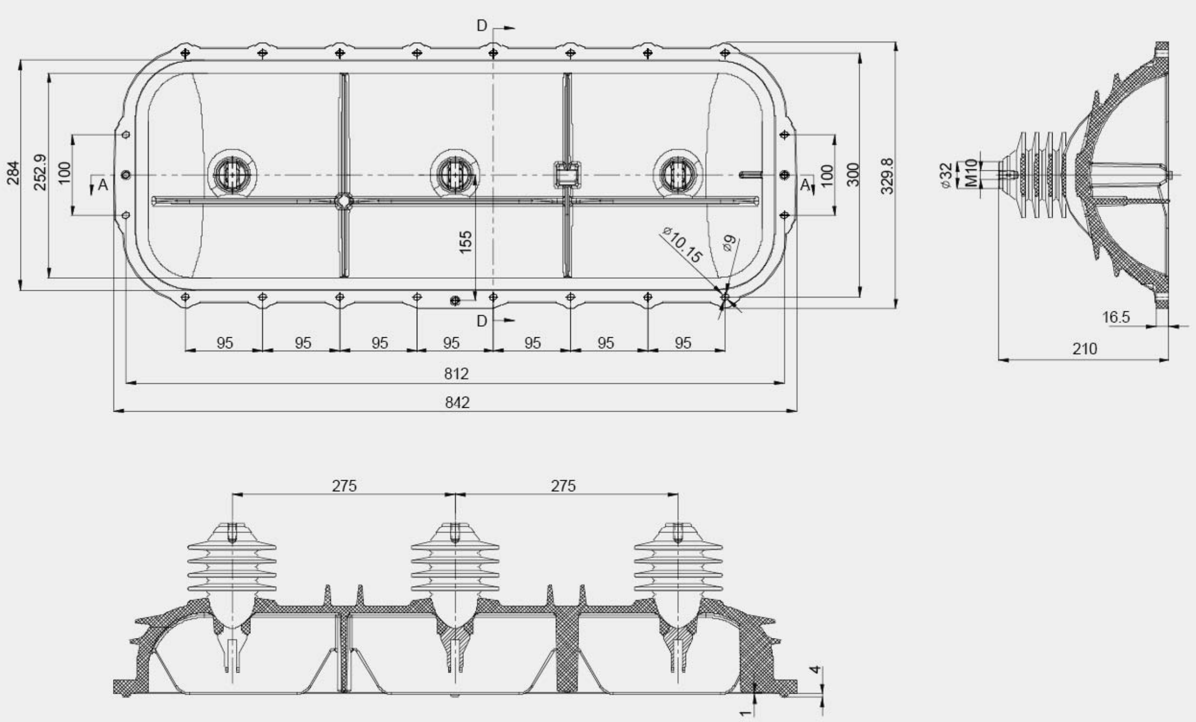
技术参数：

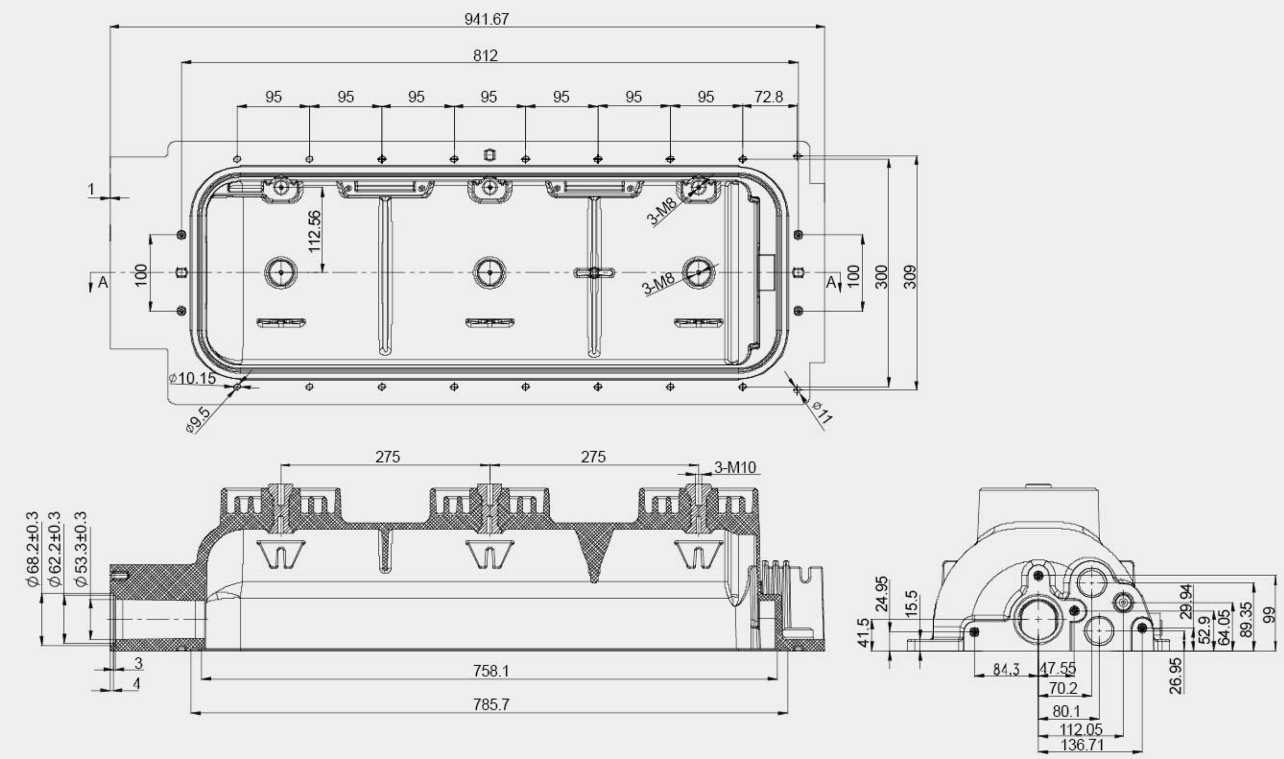
工频耐压：48kV/min
局部放电：13.2kV≤5pC
额定电流：630A

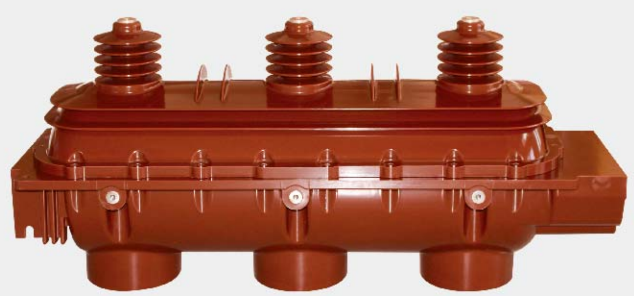
Technical Parameters:

PF: 48kV/min
PD: 13.2kV≤5pC
Rated current：630A

FLN36-24 外形图及技术参数
Drawing and Technical Specifications







技术参数：

工频耐压：79kV/min
局部放电：26.4kV≤5pC
额定电流：630A
颜　　色：棕色

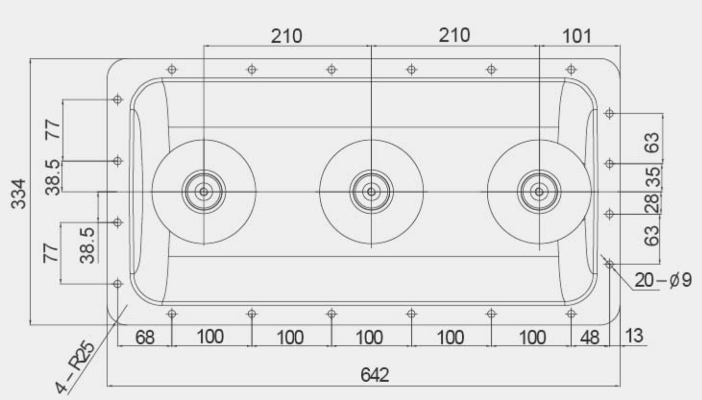
Technical Parameters:

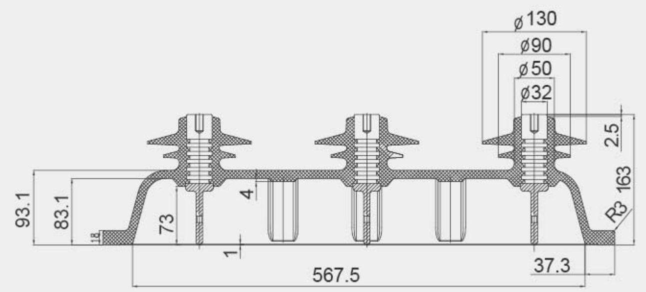
PF: 79kV/min
PD: 26.4kV≤5pC
Rated current: 630A
Color: Brown

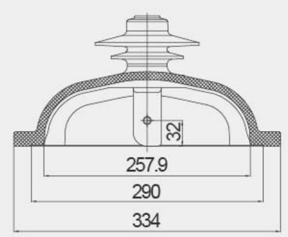
5GDEP.241.001
产品编号 / Product Code

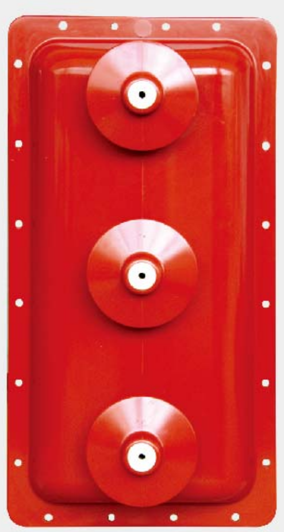
5GDEP.242.001
产品编号 / Product Code

FLN48-12 外形图及技术参数
Drawing and Technical specifications

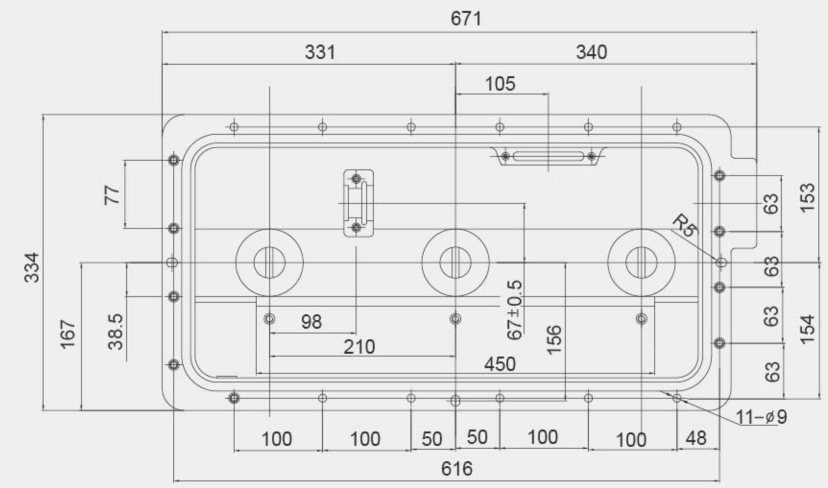


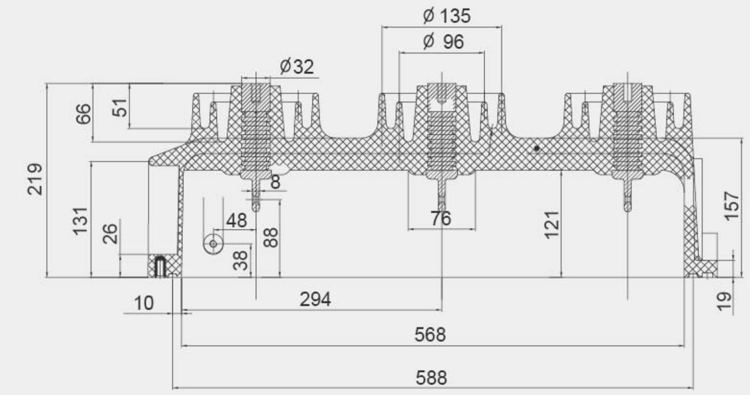






5GDEP.481.1**
产品编号 / Product Code





5GDEP.482.1**
产品编号 / Product Code

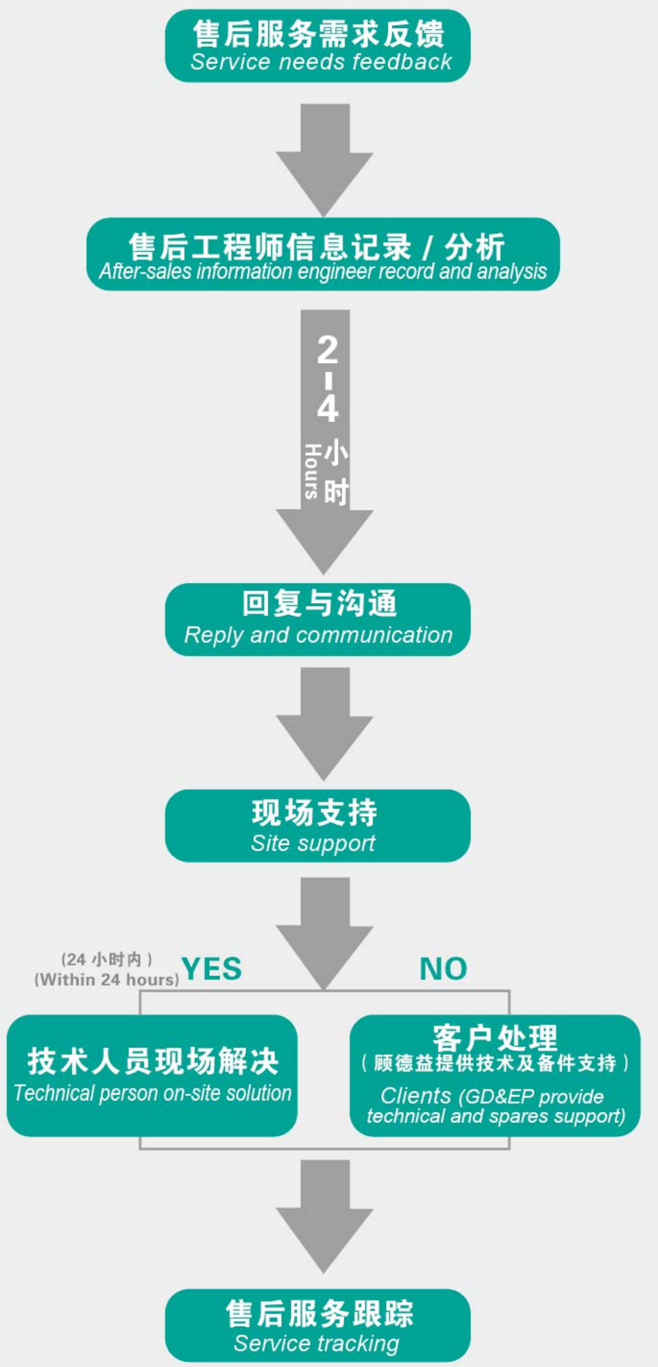
技术参数：
工频耐压：48kV/min
局部放电：13.2kV≤5pC
额定电流：630A

Technical Parameters:
PF: 48kV/min
PD: 13.2kV≤5pC
Rated current:630A

售后服务
After–sales service

顾德益提供完善的服务，为客户提供产品售前、售中、售后的技术支持和解决方案。为了使每一位客户在顾得益都能得到满意的服务，并与公司保持良好的信任及合作关系，我们强调客户服务的针对性和有效性，并实行了受理负责制，即对客户的每一个电话、每一个问题负责。如果您有任何有关我们产品的问题和需求，或者对我们的服务有任何意见与建议，欢迎您随时与我们沟通，我们将尽心尽力，竭诚为您服务，根据客户需求，我们还可以协助设计绝缘件安装非标工装夹具，此工装夹具能轻松地将 SF_6 壳体、互感器等各种绝缘件安装到柜体内，能提高生产效益、缩短生产周期、不用人工操作、不用人工搬运、绝对是降低成本、人力、物力的好帮手。您的满意是我们服务的宗旨，公司与客户的共同发展是我们执著的追求。面对未来，客户服务中心全体员工将以关爱温暖客户，用服务铸造辉煌。

Good EP enhances the perfect service, provides the product for the customer pre–sale, to sell, the post–sale technical support and the solution. In order to provide the satisfaction service for each customer and maintain the good trust and the cooperation with customer, we stress that customer service must be pointed and validity, and take the implement of the responsibility system, to be responsible to each telephone, each question from customer. If you have any questions about our products and the demand for our services or have any comments and suggestions, please feel free to communicate with us, we will do everything to serve you. If you have any questions about our products and the demand for our services or have any comments and suggestions, please feel free to communicate with us, we will do everything to serve you. We can also assist in designing non–standard installation of insulation parts fixture, this fixture can easily install shell SF_6, transformers and other pieces of insulation to the counter body, can increase production efficiency, shorten production cycle, without manual operation without manual handling is definitely reduce costs, manpower and material resources. Your satisfaction is our service purpose, common development with customers is our persistent pursuit. In the future, the customer service center staff will be warm and caring customer service with the brilliant cast.



销售网络分布图
Sales distribution network diagram