

※ 由于产品种类繁多，本手册选用部分产品，仅供参考。  
※ 随着时间的推移，技术的不断更新，若有更改恕不再另行通知。  
※ 产品图片若与实物有差别，请以实物为准，本公司保留资料的修改与最终解释权。

CNYIHU 一互电气

一心一意 互助互利

CNYIHU  
一互电气



产品选型手册

江西省一互电气有限公司

江西省一互电气有限公司  
JIANGXI YIHU ELECTRIC CO., LTD.

地址：江西省萍乡市芦溪工业园  
Add.: Jiangxi province Pingxiang,  
Luxi Industrial Park  
电话：0799-7556111  
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江西省一互电气有限公司  
JIANGXI YIHU ELECTRIC CO., LTD.



武功山名胜风景区  
Wugong Mountain  
Scenic Area



COMPANY PROFILE  
企业简介

江西省一互电气有限公司是一家专注于二次融合传感器；柱上断路器专用互感器；环网箱、充气柜专用互感器；高低压开关柜系列互感器；电力统计量互感器研发、生产、销售及服务为一体国家高新技术企业。公司位于武功山风景名胜区芦溪工业园。距离沪昆高速2公里、沪昆高铁站10公里、明月山机场35公里、黄花机场100公里。交通便利、环境优美。

公司多次中标国家电网、南方电网及各地市电网，长期与高等学院、科研院所合作。与南瑞、许继、平高、威胜电气、宏达电气、南京磐能、丹通电气、博威电气、云谷电气、巨力电气、南洋电气等公司有着广泛的技术与业务合作。产品技术性能及产品质量跻身于国际先进水平。

公司通过了国家权威机构各项型式实验。取得了ISO9001国际质量体系认证证书、ISO14001：2004环境管理体系认证证书、OHSAS 18001：2007职业健康安全管理体系认证证书。取得了AAA级资信等级证书。

本着“一心一意”做产品、“互助互利”共双赢的原则、热忱欢迎国内外客商考察与指导，共同为全球电网做出更大贡献。

Jiangxi Yihu Electric Co., Ltd. is a sensor focusing on primary and secondary integration; Special transformer for circuit breaker on column; Special transformers for ring cages and inflatable cabinets; High and low voltage switchgear series transformers; It is a national high-tech enterprise integrating R&D, production, sales and service of power system measuring transformers. The company is located in Luxi Industrial Park, Wugong Mountain Scenic Area. It is 2 kilometers away from Shanghai-Kunming Expressway, 10 kilometers away from Shanghai-Kunming high-speed railway station, 35 kilometers away from Mingyueshan Airport and 100 kilometers away from Huanghua Airport. Convenient transportation and beautiful environment.

The company has won many bids for State Grid, China Southern Power Grid and power grids in various cities, and has cooperated with universities and research institutes for a long time. It has extensive technical and business cooperation with Nanrui, Xuji, Pinggao, Weisheng Electric, Hongda Electric, Nanjing Panneng, Dantong Electric, Bowei Electric, Yungu Electric, Juli Electric, Nanyang Electric and other companies. The technical performance and quality of products rank among the international advanced levels.

The company has passed various types of experiments by national authorities. Has obtained ISO9001 international quality system certification, ISO14001: 2004 environmental management system certification, OHSAS 18001 : 2007 occupational health and safety management system certification. Has obtained AAA credit rating certificate.

Based on the principle of "making products with one heart and one mind" and "mutual assistance and mutual benefit", we warmly welcome domestic and foreign merchants to inspect and guide, and make greater contributions to the global power grid together.

EXAMINATION EQUIPMENTS  
检测设备



一二次融合成套检测设备



屏蔽室



局放检测设备



高低温试验仪



互感器精度测试设备



雷电冲击试验设备



# QUALIFICATION CERTIFICATES

## 资质证书

顾客的信赖，是企业最大的财富  
 诚信立足，创新致远  
 以精立业，以质取胜

Customer's trust is our greatest wealth  
 Based on integrity, innovation for development  
 Fine determine career, winning by quality



序号	名称	准确度等级	最大允许误差	检定/校准周期	检定/校准方法	检定/校准机构	检定/校准日期	有效期至
1	交流电压	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
2	交流电流	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
3	直流电压	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
4	直流电流	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
5	交流功率	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
6	交流电能	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
7	直流功率	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
8	直流电能	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
9	交流电阻	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
10	直流电阻	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15



序号	名称	准确度等级	最大允许误差	检定/校准周期	检定/校准方法	检定/校准机构	检定/校准日期	有效期至
1	交流电压	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
2	交流电流	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
3	直流电压	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
4	直流电流	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
5	交流功率	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
6	交流电能	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
7	直流功率	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
8	直流电能	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
9	交流电阻	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15
10	直流电阻	0.1级	±0.1%	12个月	标准物质法	江西省计量院	2020.12.15	2021.12.15







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## 资质证书

# CNYIHU

## 一互电气

MA AL CNAS

国家电器产品质量监督检验中心  
Lab Name: China National Center for Quality Supervision and Test of Electrical Apparatus Products

检验(试验)报告  
Test Report

委托单位: 江西第一互电气有限公司  
产品名称: 零序电流互感器  
产品型号: LKX-0120  
检验类别: 型式试验

本实验室对试验数据(试验)结果负责, 未经实验室书面同意, 不得向外界公布或传播。  
The laboratory is responsible for the inspection (Test) results. The report shall not be reproduced except in full, within approval of the laboratory.

DQJC

国家电器产品质量监督检验中心  
检验报告

名称	江西第一互电气有限公司	规格	JKL200
型号	JKL200	日期	2024年11月15日
产地	江西第一互电气有限公司	标准	GB 1983-2014
产品	零序电流互感器	电压	10kV-10kV
规格	JKL200	容量	1000VA
重量	1.0kg	绝缘等级	1.0

委托单位: 江西第一互电气有限公司  
产品名称: 三相一体电流互感器  
产品型号: LKX01-10  
检验类别: 型式试验

MA AL CNAS

国家电器产品质量监督检验中心  
Lab Name: China National Center for Quality Supervision and Test of Electrical Apparatus Products

型式试验报告  
Type Test Report

委托单位: 江西第一互电气有限公司  
产品名称: 三相一体电流互感器  
产品型号: LKX01-10  
检验类别: 型式试验

DQJC

国家电器产品质量监督检验中心  
检验报告

名称	江西第一互电气有限公司	规格	JKL200
型号	JKL200	日期	2024年11月15日
产地	江西第一互电气有限公司	标准	GB 1983-2014
产品	零序电流互感器	电压	10kV-10kV
规格	JKL200	容量	1000VA
重量	1.0kg	绝缘等级	1.0

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产地	江西第一互电气有限公司	标准	GB 1983-2014
产品	零序电流互感器	电压	10kV-10kV
规格	JKL200	容量	1000VA
重量	1.0kg	绝缘等级	1.0

MA AL CNAS

电力工业电气设备质量检验检测中心  
Quality Inspection and Test Center for Equipment of Electric Power

检测报告  
Inspection Report

地址: 湖北省武汉市洪山区珞喻路143号  
电话: 4006555899  
传真: (027) 59832235  
网址: China-qipgq.com.cn

MA AL CNAS

电力工业电气设备质量检验检测中心  
检测报告

检测员: 冯小强 刘玉  
日期: 2024-11-15

MA AL CNAS

CHPTL XIHARI

检验报告

试验型号: LKX01-10  
试验名称: 电流互感器  
委托单位: 江西第一互电气有限公司  
制造单位: 江西第一互电气有限公司  
检验类别: 型式试验

西安高压电器研究院有限责任公司

XIHARI

名称	JKL200	规格	JKL200
型号	JKL200	日期	2024-11-15
产地	江西第一互电气有限公司	标准	GB 1983-2014
产品	零序电流互感器	电压	10kV-10kV
规格	JKL200	容量	1000VA
重量	1.0kg	绝缘等级	1.0

MA AL CNAS

CHPTL XIHARI

检验报告

试验型号: LKX01-10  
试验名称: 电流互感器  
委托单位: 江西第一互电气有限公司  
制造单位: 江西第一互电气有限公司  
检验类别: 型式试验

XIHARI

名称	JKL200	规格	JKL200
型号	JKL200	日期	2024-11-15
产地	江西第一互电气有限公司	标准	GB 1983-2014
产品	零序电流互感器	电压	10kV-10kV
规格	JKL200	容量	1000VA
重量	1.0kg	绝缘等级	1.0

MA AL CNAS

CHPTL XIHARI

检验报告

试验型号: LKX01-10  
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制造单位: 江西第一互电气有限公司  
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产品	零序电流互感器	电压	10kV-10kV
规格	JKL200	容量	1000VA
重量	1.0kg	绝缘等级	1.0

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国网计量中心有限公司  
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检验类别: 型式试验



## 一二次融合传感器

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## 10~35kV户内电流互感器

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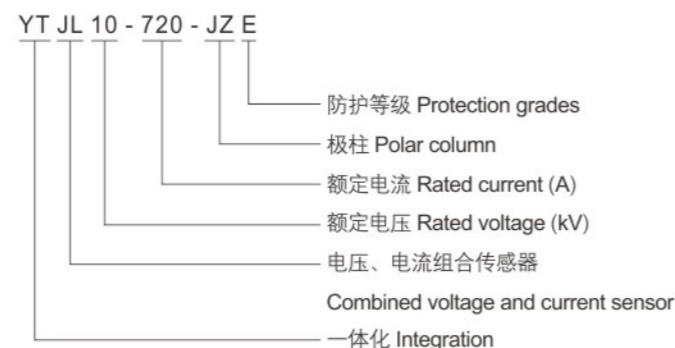
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型号含义 Type description



功能介绍 Function introduction

本公司自主研发的一体化固封极柱是一种符合国网一二次融合设备技术规范，并且按照T/CES018-2018《配电网10kV及20kV交流传感器技术文件》团体标准要求设计、制造的交流传感器，其本体内置1只交流高压断路器用真空灭弧室、1组高精度、宽范围的电子式电压传感器，以替代传统PT，并提供U<sub>a</sub>、U<sub>b</sub>、U<sub>c</sub>、U<sub>0</sub>(测量、计量)电压信号；内置1组高精度、宽范围的电子式电流传感器，以替代传统CT，并提供I<sub>a</sub>、I<sub>b</sub>、I<sub>c</sub>、I<sub>0</sub>(保护、测量、计量)电流信号，同时解决了PT易产生磁致谐波、二次侧短路产生过电流的问题，CT动态范围小、有磁饱和以及二次输出不能开路的问题。它具备采集三相电流、三相电压、零序电流、零序电压的能力，满足计算有功功率、无功功率，功率因数、频率和电能量的要求。

我们在高精度、宽范围传感器开发方面，选用无铁芯、无内置电子元件、温漂小、线性度好、耐气候性强的优质元件固封在一体绝缘套筒里面，解决了电气设备之间参数匹配问题和复杂电磁环境中信号输出问题，还具有抗干扰能力强、信号采集精度高的优点。

对于固封极柱本体我们采用户外环氧树脂经APG工艺成型，使得真空灭弧室、动触连接导电杆、电流及电压传感器等形成了一个有机的整体，单个极柱即为一相，三只极柱组合即可实现三相电压和电流检测。

在产品内部结构设计上，我们做到内部电场处理均匀，在降低断路器局部放电方面，通过优化最终使整台断路器的局部放电从传统的几千几万pC降低到20pC以内。

一体化固封极柱深度融合，体积小，占用空间资源小，可与ZW32型柱上高压开关配套使用，在架空线路柱上开关产品中占有极大优势。可提高配电网一二次设备的标准化、集成化水平，提升配电网运行水平、运维质量与效率，满足线损管理等方面的技术要求，产品拥有独特的整体结构设计，以及良好的生产工艺控制流程，确保其在功能使用上具备安全、可靠、经济、实用的特点。

其本体可分为电压部分和电流部分，具体如下：

1、电压部分

- 1) 可采用聚丙烯/铝箔复合膜电容或陶瓷电容，运行安全、稳定、可靠。
- 2) 主电容容值为600pF，具有工作电流大、抗干扰能力强的优点。
- 3) 输出内阻小，可适应各种电缆，克服电缆造成的误差，电缆互换误差小于0.1%。
- 4) 具有受环境温度影响精度变化小的特点，在-40℃~70℃全温度范围内误差最大变化量小于0.25%，完全满足标准规定的0.5级传感器的温度变差指标要求。

2、电流部分

- 1) 相电流和零序电流采用独立铁芯绕制，零序电流通过电流合成法获得，相电流和零序电流之间没有相互影响的因数。
- 2) 零序电流输出在一次电流1%~120%额定电流时误差小于1%，在10倍过流时误差小于10%。
- 3) 采用低温漂铁芯制造，在-40~70℃温度范围内，特别是-40℃时，误差变差满足标准要求。
- 4) 在单相600A电流情况下，零序输出可长期工作。
- 5) 采用低温漂采样电阻，功率50W，在4倍电流下能够长期工作，并能在10倍过载情况下短时工作。
- 6) 采样电阻100%经过厂内老化，长期使用稳定性高，阻值变化小。

The integrated solid-sealed pole independently developed by our company is an AC sensor which conforms to the technical specifications of primary and secondary fusion equipment of State Grid and is designed and manufactured according to the group standard requirements of T/CES018-2018 Technical Documents for 10kV and 20kV AC Sensors in Distribution Network. Its main body is built with a vacuum interrupter for AC high-voltage circuit breakers and a set of high-precision and wide-range electronic voltage sensors to replace the traditional PT, and U<sub>a</sub>, U<sub>b</sub>, U<sub>c</sub> and U<sub>0</sub> are provided. A set of electronic current sensors with high precision and wide range is built in to replace traditional CT, and provide I<sub>a</sub>, I<sub>b</sub>, I<sub>c</sub> and I<sub>0</sub> (protection, measurement and metering) current signals. At the same time, it solves the problems that PT is easy to produce magnet resonance, secondary side short circuit produces overcurrent, CT has small dynamic range, magnetic saturation and secondary output cannot open circuit. It has the ability to collect three-phase current, three-phase voltage, zero-sequence current and zero-sequence voltage, and meets the requirements of calculating active power, reactive power, power factor, frequency and electric energy.

In the development of high-precision and wide-range sensors, we selected high-quality components with no iron core, no built-in electronic components, small temperature drift, good linearity and strong weather resistance to be sealed in an integrated insulating sleeve, which solved the problem of parameter matching between electrical equipment and small signal output in complex electromagnetic environment, and also had the advantages of strong anti-interference ability and high signal acquisition accuracy.

For the fixed pole body, we use outdoor epoxy resin to form by APG process, which makes the vacuum arc extinguishing chamber, moving contact connecting conductive rod, current and voltage sensor form an organic whole. A single pole is one phase, and the combination of three poles can realize three-phase voltage and current detection.

In the design of the internal structure of the product, we can handle the internal electric field evenly. In the aspect of reducing the partial discharge of the circuit breaker, the partial discharge of the whole circuit breaker is finally reduced from tens of thousands of pCs to less than 20pC through optimization.

The integrated sealed pole has deep integration, small size and small occupied space and resources. It can be used with ZW32 high voltage switch on the pole, and has great advantages in the switch products on the overhead line pole. It can improve the standardization and integration level of distribution primary and secondary equipment, improve the operation level, operation and maintenance quality and efficiency of distribution equipment, and meet the technical requirements of line loss management, etc. The product has a unique overall structural design and good production process control flow, ensuring its safety, reliability, economy and practicality in functional use.

Its body can be divided into voltage part and current part, as follows:

1. Voltage part

- 1) Polypropylene/aluminum foil composite film capacitor or ceramic capacitor can be used, and the operation is safe, stable and reliable.
- 2) The capacitance of the main capacitor is 600pF, which has the advantages of large working current and strong anti-interference ability.
- 3) The output internal resistance is small, which can adapt to various cables and overcome the errors caused by cables, and the cable interchange error is less than 0.1%.
- 4) It is characterized by little change in accuracy due to environmental temperature, and the maximum error change is less than 0.25% in the whole temperature range from -40℃ to 70℃, which fully meets the temperature variation index requirements of 0.5-grade sensors specified in the standard.

2. Current part

- 1) Phase current and zero-sequence current are wound with independent iron cores, and the zero-sequence current is obtained by current synthesis method. There is no mutual influence factor between phase current and zero-sequence current.
- 2) The error of zero sequence current output is less than 1% when the primary current is 1%~120% of the rated current, and less than 10% when the overcurrent is 10 times.
- 3) The drift core is manufactured at low temperature, and the error variation meets the standard requirements in the temperature range of -40~70℃, especially at -40℃.
- 4) Under the condition of single-phase current of 600A, zero-sequence output can work for a long time.
- 5) Low temperature drift sampling resistor with power of 50W can work for a long time under 4 times current and work for a short time under 10 times overload.
- 6) The sampling resistance is 100% aged in the factory, which has high stability in long-term use and little change in resistance value.

主要性能指标 Main performance index

电压部分 Voltage part

序号 No.	参数 Parameter	参数值 Parameter value
1	额定电压 Rated voltage	相电压: (10kV/√3) / (3.25V/√3), 零序电压: (10kV/√3) / (6.5V/3) Phase voltage: (10kV/√3)/(3.25V/√3), Zero sequence voltage: (10kV/√3)/(6.5V/3)
2	准确度等级 Accuracy grade	相电压: 0.5(3P)级, 零序电压: 1(3P)级 Phase voltage: level 0.5(3P), Zero sequence voltage: level 1(3P)
3	环境温度影响变差 Environmental temperature becomes worse influence	< 0.25%(-40°C~+70°C温度范围内) < 0.25% (within the temperature range of -40°C ~+70°C)
4	绝缘电阻 Insulation resistance	> 1000MΩ
5	额定负荷 Rated load	2MΩ(AC)
6	工频频率 Work frequency	50 ± 2.5Hz
7	温度范围 Temperature range	-40°C~+70°C
8	局部放电 Partial discharge	≤20pC
9	工频耐压 Power frequency withstand voltage	42kV(1min)
10	冲击电压 Impact voltage	75kV

电流部分 Current part

序号 No.	参数 Parameter	参数值 Parameter value
1	额定电流 Rated current	相电流: 600A/1V, 零序电流: 20A/0.2V Phase current: 600A/1V, Zero sequence current: 20A/0.2V
2	准确度等级 Accuracy grade	相电流: 保护5P10级, 计量/测量: 0.5S 零序电流: 1级(1%~120%), 保护: 10P10级 Phase current: protection level 5P10, metering/measuring: 0.5S Zero sequence current: level 1 (1%~120%), protection: level 10P10
3	极性 Polarity	减极性 Polarity reduction
4	额定负载 Rated load	20kΩ
5	工频频率 Work frequency	50 ± 2.5Hz
6	温度范围 Temperature range	-40°C~+70°C
7	一次工频耐压 Primary power frequency withstand voltage	42kV(1min)
8	冲击电压 Impact voltage	75kV

注: 1. 须注明进线端(上进下出或下进上出);  
2. 须注明取电电源一次电压接进线或出线。  
Note: 1. The line entry end (up and down or down and up and down) must be indicated;  
2. It must be indicated that the primary voltage of the power supply is connected into or out of the line.

产品技术规范 Technical specifications

使用环境要求

周围空气温度: 最高气温: +70°C  
最低气温: -40°C(户外)  
最大日温差: 25K  
月平均相对湿度(25°C): ≤90%

安全系数: 1.67  
耐地震能力: 水平加速度0.3g, 垂直加速度0.15g  
太阳辐射强度(户外): 0.1W/cm<sup>2</sup>  
污秽等级: IV级  
覆冰厚度: 10mm

系统运行条件

结构型式: 支柱式  
安装地点: 户外  
操作方式: 电动并可手动

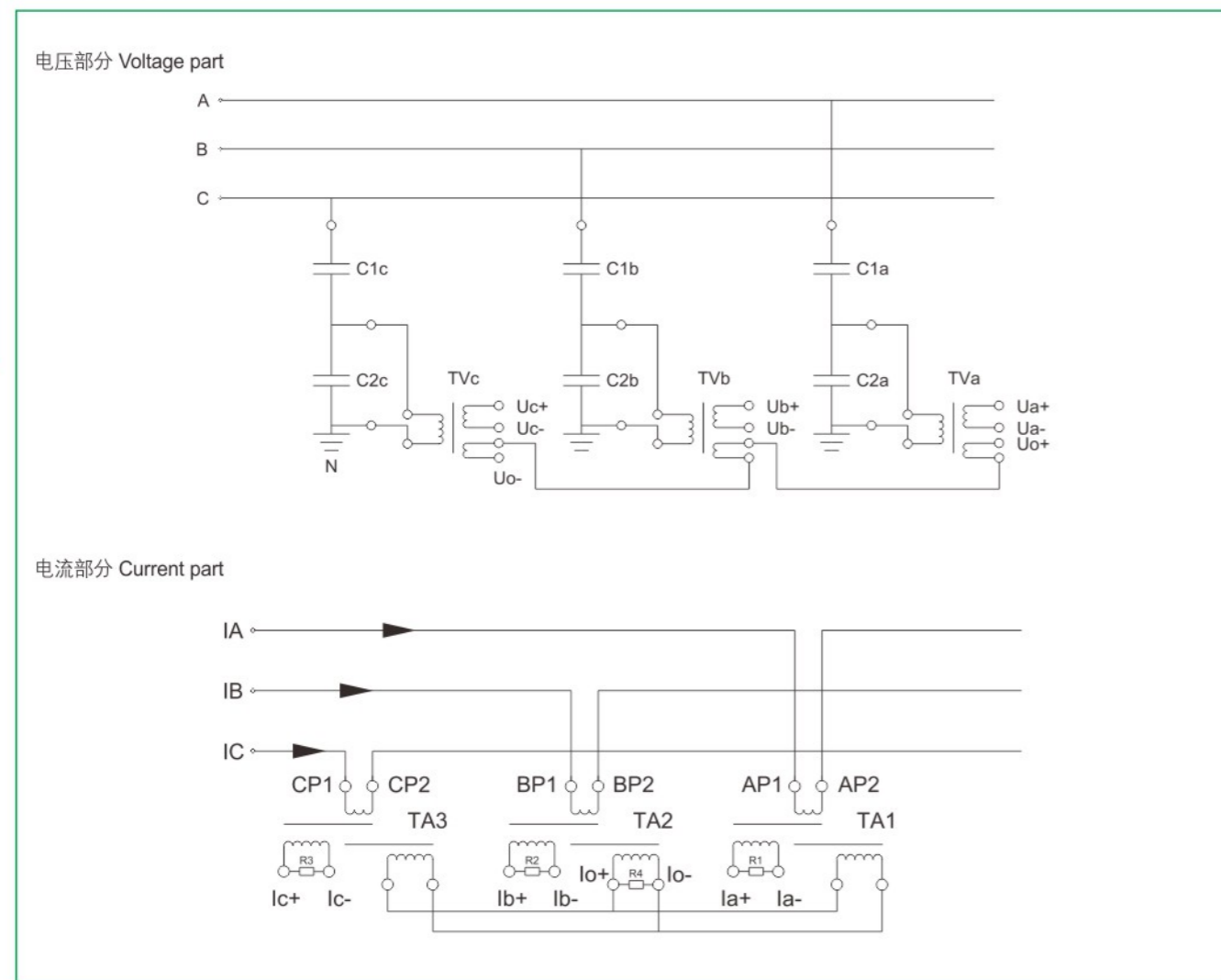
电流传感器技术参数 Current sensor technical parameters

1. 电流传感器采用低功耗线圈原理
2. 电流传感器精度: ≥0.5S
3. 有功、无功功率: ≥1
4. 电流传感器为无源、模拟小信号输出
5. 短时过载20倍In: 1S
6. 满足在10倍In电流输入情况下, 不影响保护的信号输入精度要求
7. 输入阻抗: ≥20kΩ
8. 内部电场采用等电位均压屏蔽处理
9. 二次出现采用全屏蔽航插出现, 具备抗干扰、防开路诸多优点。

电压传感器技术参数 Voltage sensor technical parameters

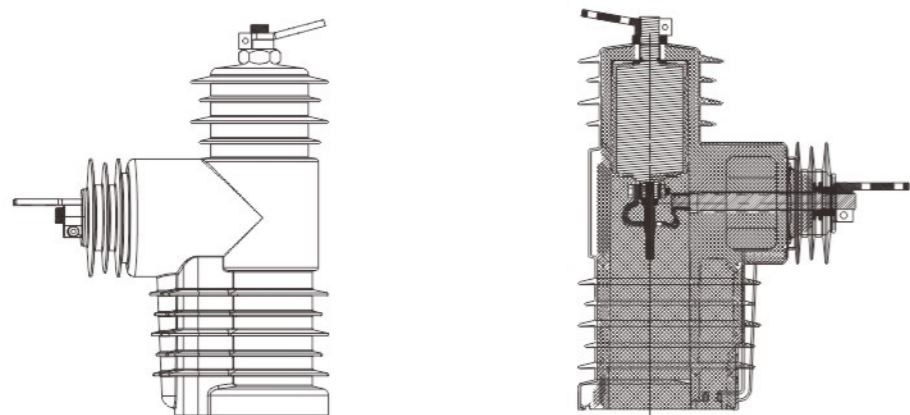
1. 不含铁芯, 不会饱和, 频响范围宽、测量范围大、线性度好, 在系统故障状态下可使保护装置可靠动作;
  2. 电压输出端二次短路时不会产生过电流, 也不会产生铁磁谐振, 根除了电力系统运行中的重大故障隐患, 保障了人员和设施的安全;
  3. 高低压电容组皆选用进口一致性电容材质, 保证良好的线性度要求, 严格控制了精度的变化。生产的传感器本体具备耐高压、损耗小、绝缘电阻高、自愈性良好, 耐冲击电流、过载能力强、寿命长等诸多优点;
  4. 电压传感精度不低于0.5;
  5. 电压传感器具备电源侧和负责侧双侧电压采样功能;
  6. 电压传感器高压单元采用电容分压电路, 高低压电容臂是以后封装灌封方式成型为一体, 避免了电容受高温固化时间长导致的容值衰减、寿命短的质量问题;
  7. 所有的电容皆封装在耐高压、耐开裂、耐候性的同一种绝缘介质当中, 处于同一温度环境之下, 保证了良好的线性度要求;
  8. 高压单位的低压侧出现, 经屏蔽电缆汇集到一个金属外壳的补偿合成单元当中, 补偿单元的输出即为: Ua、Ub、Uc、U0, 补偿单元仍然为无源器材组件。
1. No iron core, no saturation, wide frequency response range, large measurement range and good linearity, which can make the protection device operate reliably in the system fault state;
  2. When the voltage output end is short-circuited for the second time, it will not produce overcurrent and ferromagnetic resonance, which eliminates the major fault hidden danger in the operation of the power system and ensures the safety of personnel and facilities;
  3. All the high and low voltage capacitor banks are made of imported uniform capacitor materials, which ensure good linearity requirements and strictly control the change of precision. The produced sensor body has many advantages, such as high voltage resistance, low loss, high insulation resistance, good self-healing, impulse current resistance, strong overload capacity and long service life.
  4. The voltage sensing accuracy is not lower than 0.5;
  5. The voltage sensor has the function of voltage sampling on both sides of the power supply side and the responsible side;
  6. The high-voltage unit of the voltage sensor adopts a capacitor voltage dividing circuit, and the high-voltage and low-voltage capacitor arms are formed into a whole in the way of packaging and potting in the future, thus avoiding the quality problems of capacitance attenuation and short service life caused by long curing time at high temperature;
  7. All capacitors are packaged in the same insulating medium with high voltage resistance, crack resistance and weather resistance, and are under the same temperature environment, which ensures good linearity requirements;
  8. The low-voltage side of the high-voltage unit appears, and it is collected into a compensation synthesis unit with a metal shell through shielded cable. The output of the compensation unit is Ua, Ub, Uc and U0, and the compensation unit is still a passive equipment component.

结构原理图 Schematic diagram of structure



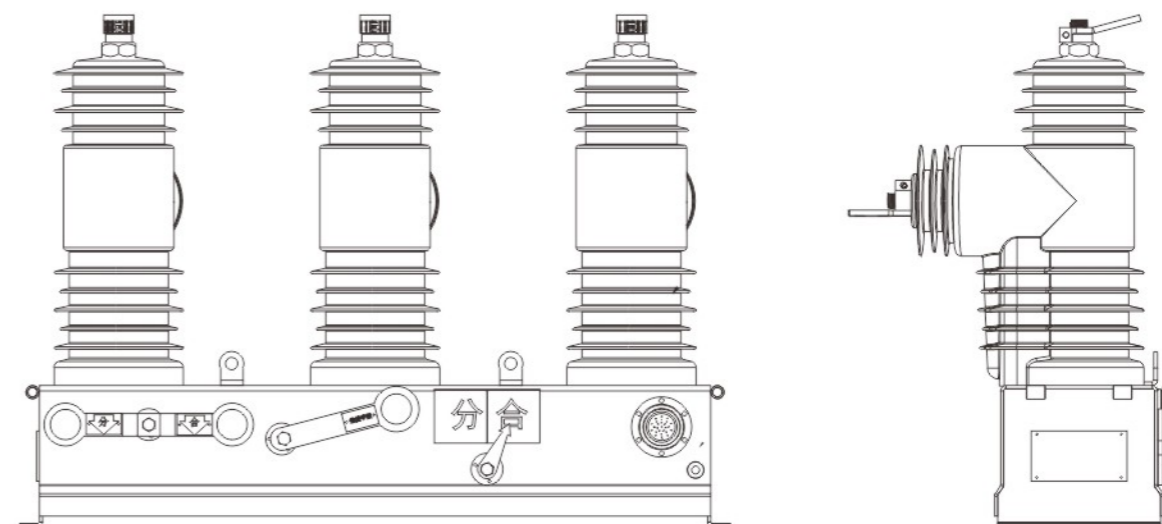
外形及安装尺寸 Overall dimension drawing

真空灭弧室、电流电压传感器一体固封技术  
Integrated sealing technology of vacuum interrupter and current and voltage sensor

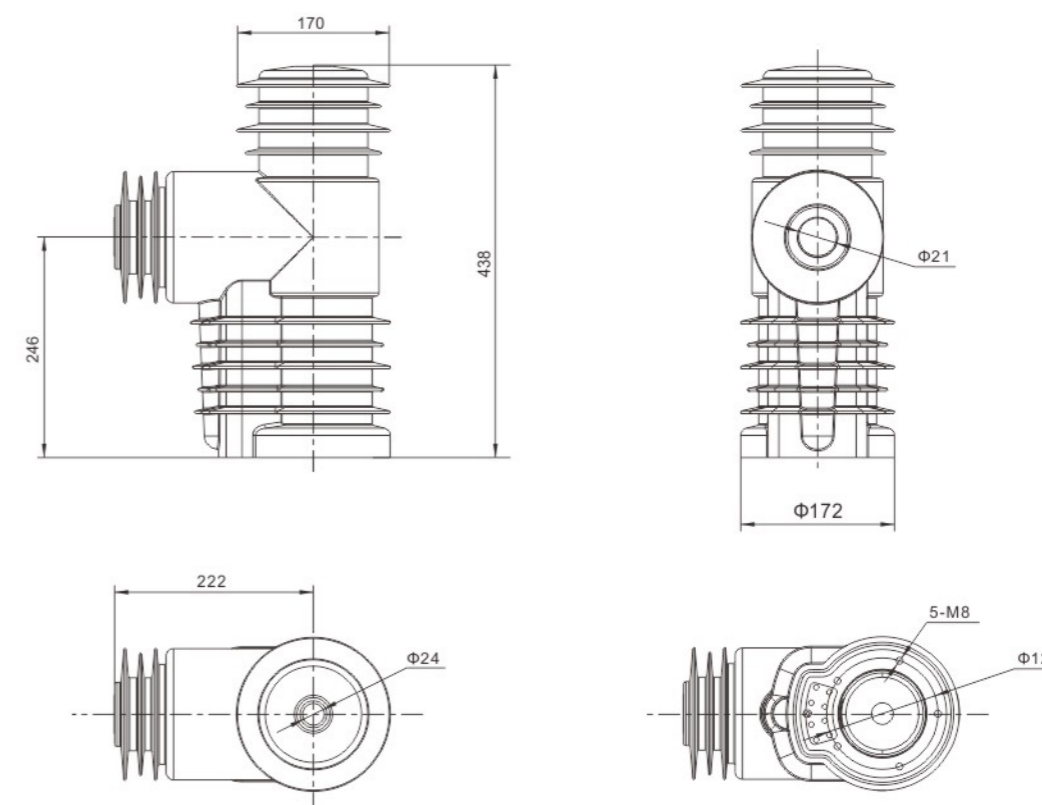


外形及安装尺寸 Overall dimension drawing

一二次融合断路器总装图  
General assembly drawing of primary and secondary fusion circuit breaker

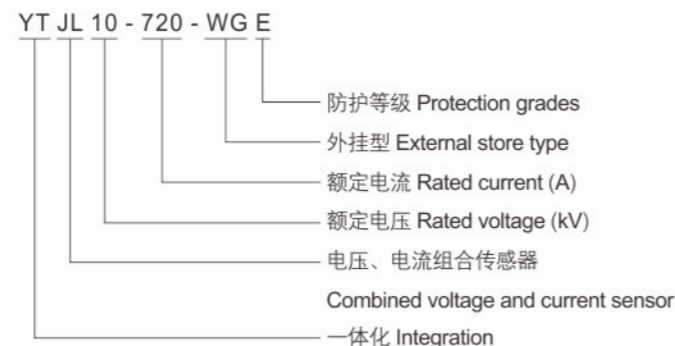


尺寸图 Size chart





型号含义 Type description



概述 Summary

YTJL10-720-WG外挂式传感器是一种符合国网一二次融合设备技术规范的，并且按照T/CES018-2018《配电网10kV及20kV交流传感器技术条件》团体标准要求设计、制造的交流传感器。可与ZW32型柱上高压开关配套，具有功耗低，标准度高，测量、计量、保护三合一的特点。

组合一体化传感器可同时输出相电压、零序电压和相电流、零序电流采样信号，用户可根据需求选择多种信号组合输出。

YTJL10-720-WG plug-in sensor is an AC sensor which conforms to the technical specification of primary and secondary integration equipment of State Grid, and is designed and manufactured according to the group standard requirements of T/CES018-2018 Technical Conditions for 10kV and 20kV AC Sensors in Distribution Network. It can be matched with ZW32 column high voltage switch, and has the characteristics of low power consumption, high standard and three-in-one measurement, metering and protection.

Combined integrated sensor can output sampling signals of phase voltage, zero-sequence voltage, phase current and zero-sequence current at the same time. Users can choose a variety of signal combinations to output according to their needs.

产品特点 Product features

电压部分

1. 采用电容屏结构的复合膜电容，电网长期运行稳定性好的特点；
2. 主电容容值为500pF，具有工作电流大、抗干扰能力强的优点；
3. 输出内阻小，可适应各种电缆，克服电缆造成的误差，电缆互换误差小于0.1%；
4. 具有受环境温度影响精度变化小的特点，在-40℃~+70℃全温度范围内误差最大变化量小于0.25%。

Voltage part

1. The composite film capacitor with capacitive screen structure has the characteristics of good long-term operation stability of the power grid;
2. The capacitance of the main capacitor is 500pF, which has the advantages of large working current and strong anti-interference ability;
3. The output internal resistance is small, which can adapt to various cables and overcome the error caused by cables. The cable exchange error is less than 0.1%;
4. It has the characteristic of little change in accuracy under the influence of environmental temperature, and the maximum error change is less than 0.25% in the whole temperature range from -40℃ to +70℃.

电流部分

1. 相电流和零序电流采用独立线圈绕制，零序电流通过电流合成法获得。
2. 零序电流输出在一次电流1%~120%额定电流(1A~24A)时误差小于1%，在10倍过流(200A)时误差小于10%。
3. 采用低功耗电磁铁芯制造，在-40℃~+70℃温度范围内，特别是-40℃时，误差最大变化量小于0.25%。
4. 在单相600A电流(即30倍电流)情况下，零序输出可长期工作。
5. 采用抗蚀高精度低温漂采样电阻，功率20W，在4倍电流下能够长期工作，并能在10倍过载情况下短时工作4S。
6. 采样电阻温漂在5~10ppm/℃，长期使用稳定性高，阻值变化小。

Current part

1. Phase current and zero sequence current are wound by independent coils, and zero sequence current is obtained by current synthesis method.
2. The error of zero sequence current output is less than 1% when the primary current is 1%~120% of the rated current (1A~24A), and less than 10% when the overcurrent is 10 times (200A).
3. The electromagnetic core with low power consumption is used, and the maximum error variation is less than 0.25% in the temperature range of -40℃~+70℃, especially at -40℃.
4. Under the condition of single-phase current of 600A (i.e. 30 times current), the zero-sequence output can work for a long time.
5. Using corrosion-resistant high-precision low-temperature drift sampling resistor, the power is 20W, which can work for a long time under 4 times current and for a short time under 10 times overload.
6. The temperature drift of the sampling resistor is 5~10ppm/℃, which has high stability after long-term use and little change of resistance value.

主要性能指标 Main performance index

电压部分 Voltage part

序号 No.	参数 Parameter	参数值 Parameter value
1	额定电压 Rated voltage	相电压: (10kV/√3) / (3.25V/√3), 零序电压: (10kV/√3) / (6.5V/3) Phase voltage: (10kV/√3)/(3.25V/√3), Zero sequence voltage: (10kV/√3)/(6.5V/3)
2	准确度等级 Accuracy grade	相电压: 0.5级, 零序电压: 3P级(2%~190%Un) Phase voltage: level 0.5, Zero sequence voltage: level 3P(2%~190%Un)
3	环境温度影响变差 Environmental temperature becomes worse influence	< 0.25%(-40℃~+70℃温度范围内) < 0.25% (within the temperature range of -40℃ ~+70℃)
4	绝缘电阻 Insulation resistance	> 1000MΩ
5	额定负荷 Rated load	2MΩ(AC)
6	工频频率 Work frequency	50Hz
7	温度范围 Temperature range	-40℃~+70℃
8	局部放电 Partial discharge	≤20pC
9	一次工频耐压 Primary power frequency withstand voltage	42kV(1min)
10	二次工频耐压 Secondary power frequency withstand voltage	二次端子对地工频耐压1kV(1min) The power frequency withstand voltage of the secondary terminal to ground is 1kV(1min)
11	冲击电压 Impact voltage	75kV

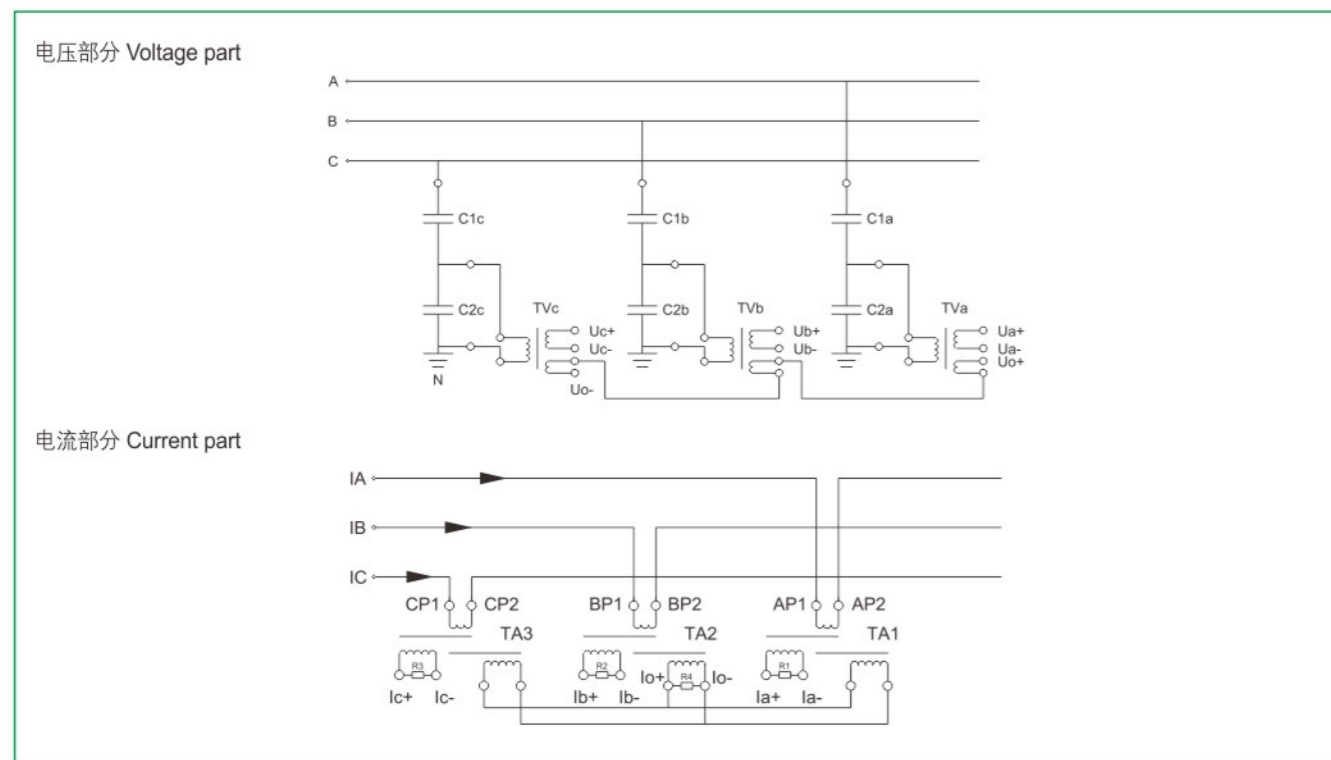
电流部分 Current part

序号 No.	参数 Parameter	参数值 Parameter value
1	额定电流 Rated current	相电流: 600A/1V, 零序电流: 20A/0.2V Phase current: 600A/1V, Zero sequence current: 20A/0.2V
2	准确度等级 Accuracy grade	相电流: 计量/测量: 0.5S, 保护: 5P10级 零序电流: 1级(1%~120%), 保护: 10P10级 Phase current: metering/measuring: 0.5S, protection: level 5P10 Zero sequence current: level 1 (1%~120%), protection: level 10P10
3	环境温度影响变差 Environmental temperature becomes worse influence	< 0.25%(-40℃~+70℃温度范围内) < 0.25% (within the temperature range of -40℃ ~+70℃)
4	极性 Polarity	减极性 Polarity reduction
5	额定负载 Rated load	20kΩ
6	工频频率 Work frequency	50Hz
7	温度范围 Temperature range	-40℃~+70℃

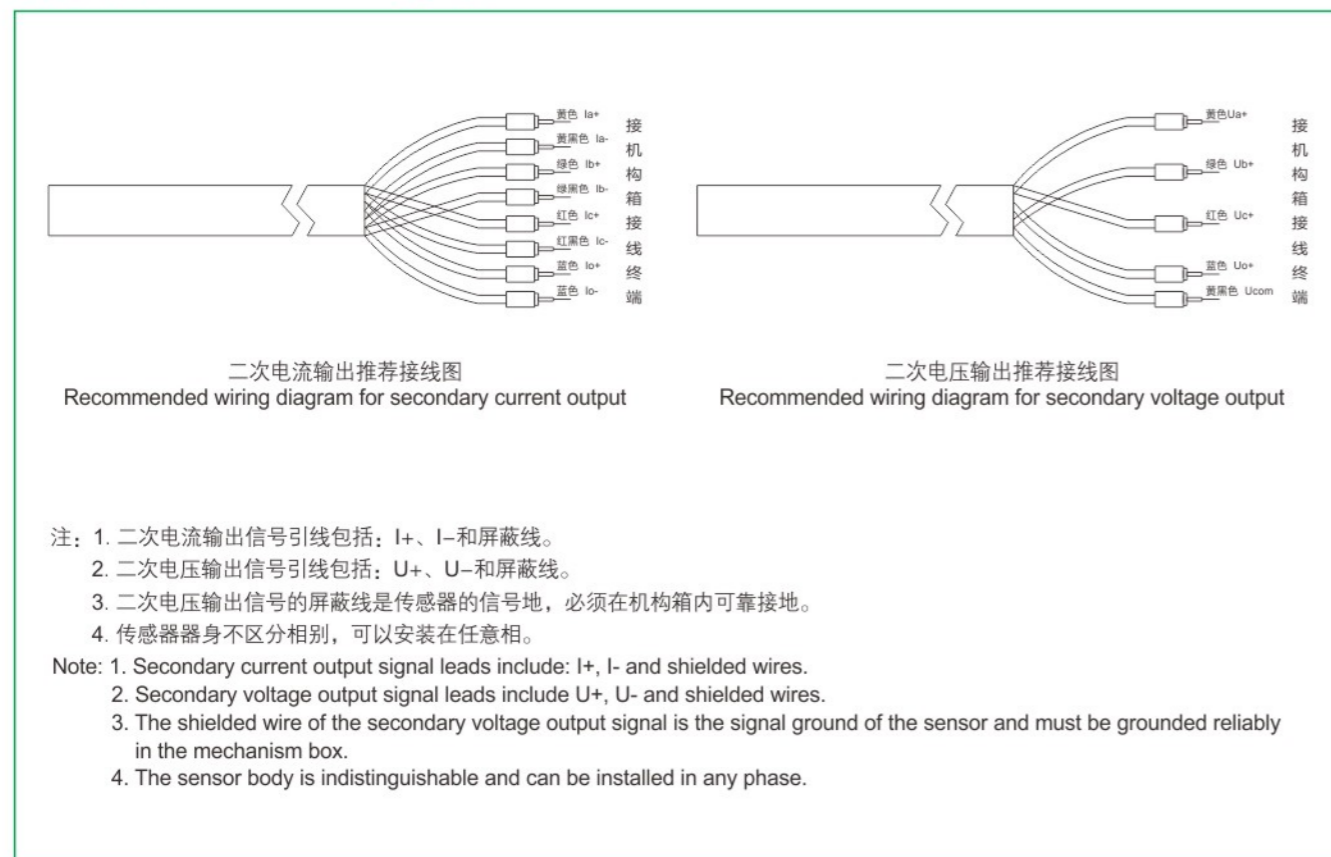
产品选型 Product selection

序号 No.	型号 Model	参数值 Parameter value
1	YTJLN10-720-WGE	相电压 Phase voltage: (10/√3kV) / (3.25/√3V) 相电流 Phase current: 600A/1A 零序电流 Zero sequence current: 100A/1A
2	YTJLN10-720-WGG	相电压 Phase voltage: (10/√3kV) / (3.25/√3V) 零序电压 Zero sequence voltage: (10/√3kV) / (6.5/√3V) 相电流 Phase current: 600A/1V 零序电流 Zero sequence current: 20A/0.2V

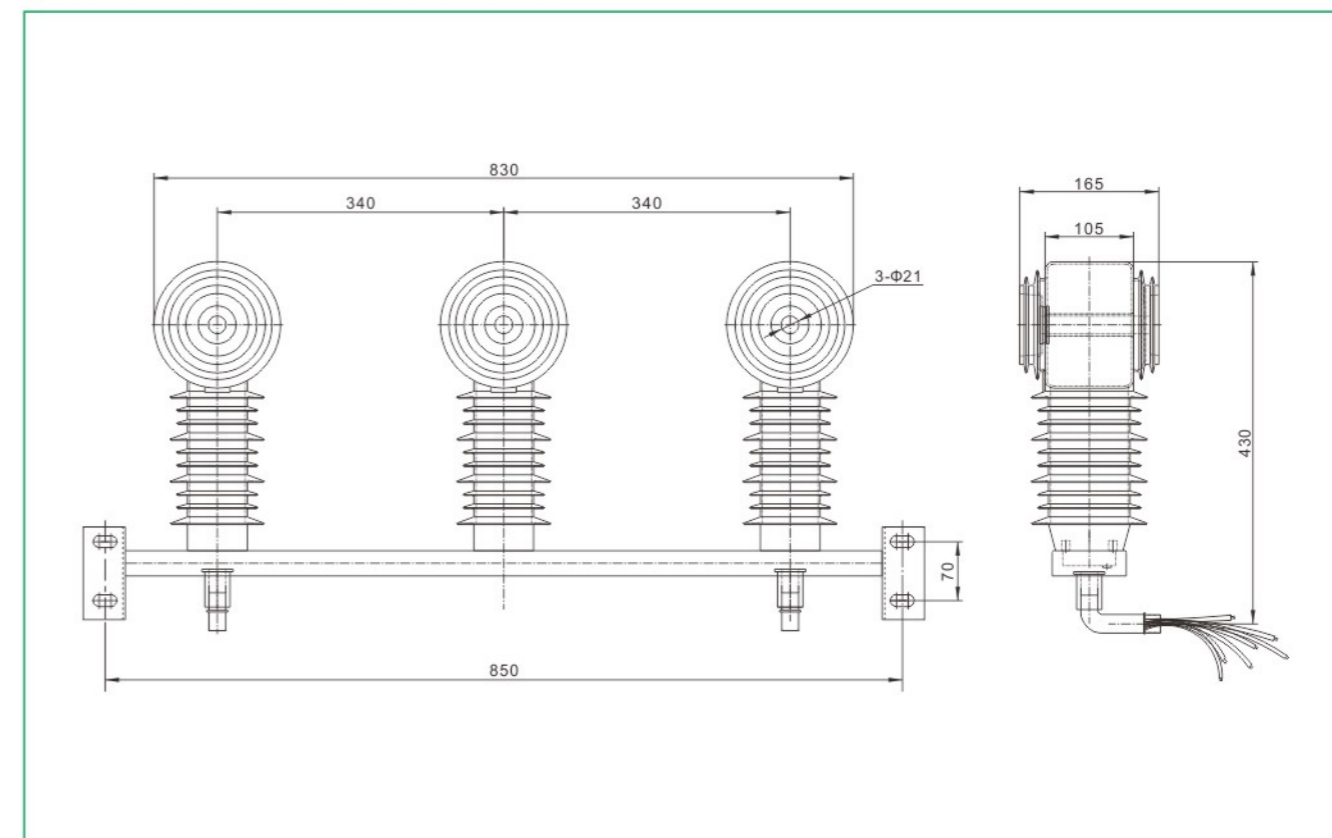
结构原理图 Schematic diagram of structure



推荐接线图 Recommended wiring diagram

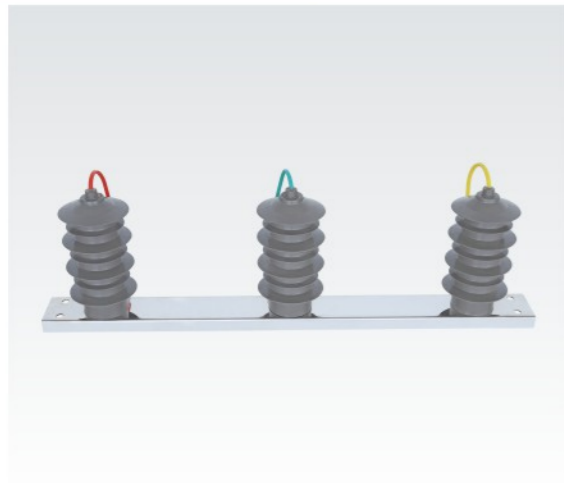


外形及安装尺寸 Overall dimension drawing

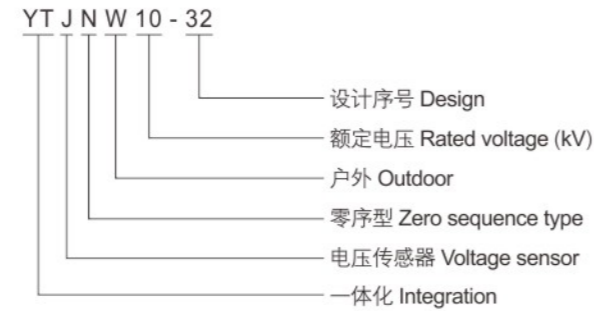


使用注意事项 Notes on use

1. 安装时P2对应负荷侧(输出侧)。
  2. 安装时一次螺母须压紧传感器的一次取电垫圈, 确保可靠接触。
  3. 传感器二次输出信号引线宜紧贴箱体布线, 多余引线必须剪短做到最短。
  4. 传感器在42kV工频耐压试验时三相并联一次工作电流为30mA左右, 试验设备需满足所需输出功率, 试验时设备显示试验电流增加属于正常现象。
1. during installation, P2 corresponds to the load side (output side).
  2. During installation, the primary nut must press the primary power-taking washer of the sensor to ensure reliable contact.
  3. The sensor secondary output signal leads should be closely attached to the cabinet wiring, and the redundant leads must be cut short to be the shortest.
  4. During the 42kV power frequency withstand voltage test, the three-phase parallel operation current of the sensor is about 30mA, and the test equipment needs to meet the required output power. During the test, the equipment shows that the increase of the test current is a normal phenomenon.



型号含义 Type description



概述 Summary

一二次成套零序电压传感器是一种符合国网一二次成套设备技术规范的电容器交流传感器，可与ZW32型柱上高压真空断路器配套，具有功耗低，准确度高的特点。

The primary and secondary zero-sequence voltage sensor is a capacitive AC sensor conforming to the technical specification of the primary and secondary complete equipment of State Grid, which can be matched with ZW32 high-voltage vacuum circuit breaker on the column, and has the characteristics of low power consumption and high accuracy.

主要性能指标 Main performance index

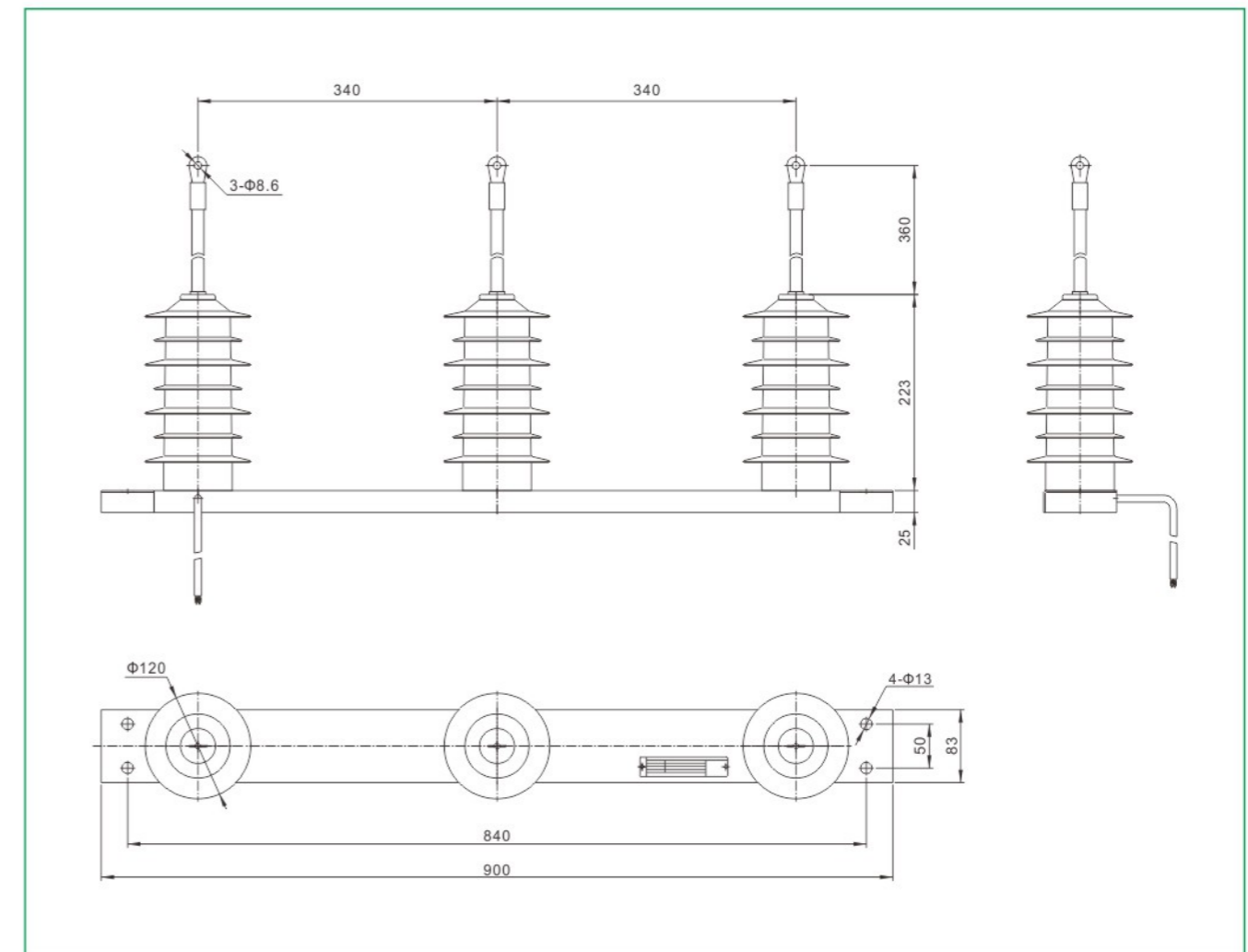
电压部分 Voltage part

序号 No.	参数 Parameter	参数值 Parameter value
1	额定电压 Rated voltage	相电压: $(10\text{kV}/\sqrt{3}) / (3.25\text{V}/\sqrt{3})$ , 零序电压: $(10\text{kV}/\sqrt{3}) / (6.5\text{V}/3)$ Phase voltage: $(10\text{kV}/\sqrt{3})/(3.25\text{V}/\sqrt{3})$ , Zero sequence voltage: $(10\text{kV}/\sqrt{3})/(6.5\text{V}/3)$
2	准确度等级 Accuracy grade	相电压: 0.5级, 零序电压: 3P级(2%~190%Un) Phase voltage: level 0.5, Zero sequence voltage: level 3P(2%~190%Un)
3	环境温度影响变差 Environmental temperature becomes worse influence	< 0.25%(-40°C~+70°C温度范围内) < 0.25% (within the temperature range of -40°C ~+70°C)
4	绝缘电阻 Insulation resistance	> 1000MΩ
5	额定负荷 Rated load	2MΩ(AC)
6	工频频率 Work frequency	50Hz
7	温度范围 Temperature range	-40°C~+70°C
8	局部放电 Partial discharge	≤20pC
9	一次工频耐压 Primary power frequency withstand voltage	42kV(1min)
10	二次工频耐压 Secondary power frequency withstand voltage	二次端子对地工频耐压1kV(1min) The power frequency withstand voltage of the secondary terminal to ground is 1kV(1min)
11	冲击电压 Impact voltage	75kV

产品特点 Product features

1. 采用类似CVT互感器结构的复合膜电容，长期稳定性好，具有电网长期运行经验。
  2. 主电容容值为530pF，具有工作电流大、抗干扰能力强的优点。
  3. 输出内阻小，可适应各种电缆，克服电缆造成的误差，电缆互换误差小于0.15%。
  4. 具有受环境温度影响精度变化小的特点，在-40°C~70°C全温度范围内误差最大变化量小于0.25%。
1. The composite membrane capacitor with CVT transformer structure has good long-term stability and long-term operation experience of power grid.
  2. The capacitance of the main capacitor is 530pF, which has the advantages of large working current and strong anti-interference ability.
  3. The output internal resistance is small, which can adapt to various cables and overcome the errors caused by cables. The cable interchange error is less than 0.15%.
  4. It has the characteristic of little change in accuracy under the influence of environmental temperature, and the maximum error change is less than 0.25% in the whole temperature range from -40°C to 70°C.

外形及安装尺寸 Overall dimension drawing





型号含义 Type description



概述 Summary

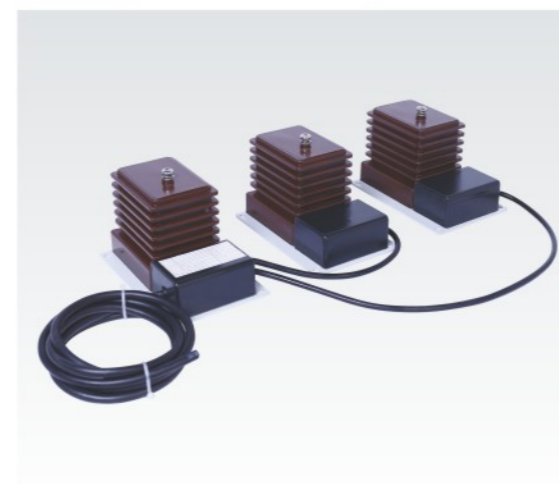
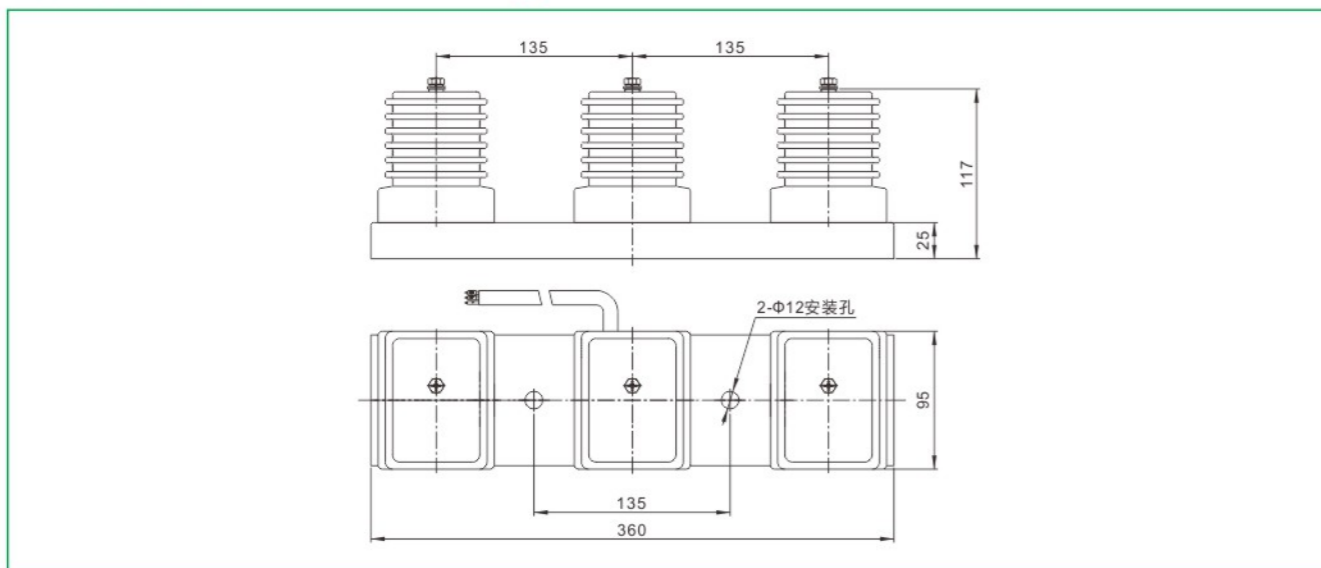
一二次成套零序电压传感器是一种符合国网一二次成套设备技术规范的电容器交流传感器，可与ZW20型柱上高压真空断路器配套，具有功耗低，准确度高的特点。

The primary and secondary zero sequence voltage sensor is a capacitive AC sensor conforming to the technical specification of the primary and secondary complete equipment of State Grid, which can be matched with ZW20 high voltage vacuum circuit breaker on the column, and has the characteristics of low power consumption and high accuracy.

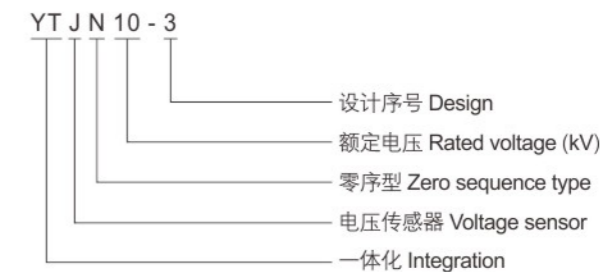
产品特点 Product features

1. 采用类似CVT互感器结构的复合膜电容，长期稳定性好，具有电网长期运行经验。
  2. 主电容容值为530pF，具有工作电流大、抗干扰能力强的优点。
  3. 输出内阻小，可适应各种电缆，克服电缆造成的误差，电缆互换误差小于0.15%。
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外形及安装尺寸 Overall dimension drawing



型号含义 Type description



概述 Summary

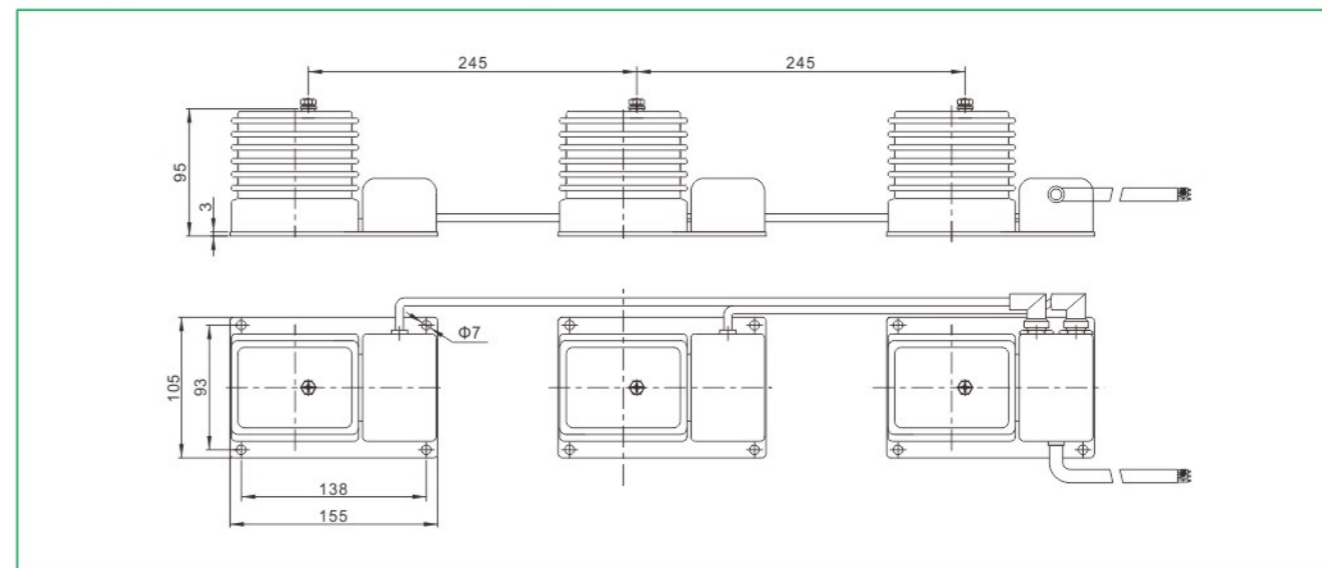
一二次成套零序电压传感器是一种符合国网一二次成套设备技术规范的电容器交流传感器，可与LW3型SF6柱上高压断路器配套，具有功耗低，准确度高的特点。

The primary and secondary zero sequence voltage sensor is a capacitive AC sensor conforming to the technical specification of the primary and secondary complete equipment of State Grid, which can be matched with LW3 SF6 high voltage circuit breaker on the column, and has the characteristics of low power consumption and high accuracy.

产品特点 Product features

1. 采用类似CVT互感器结构的复合膜电容，长期稳定性好，具有电网长期运行经验。
  2. 主电容容值为530pF，具有工作电流大、抗干扰能力强的优点。
  3. 输出内阻小，可适应各种电缆，克服电缆造成的误差，电缆互换误差小于0.15%。
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  4. It has the characteristic of little change in accuracy under the influence of environmental temperature, and the maximum error change is less than 0.25% in the whole temperature range from -40°C to 70°C.

外形及安装尺寸 Overall dimension drawing







### 概述 Summary

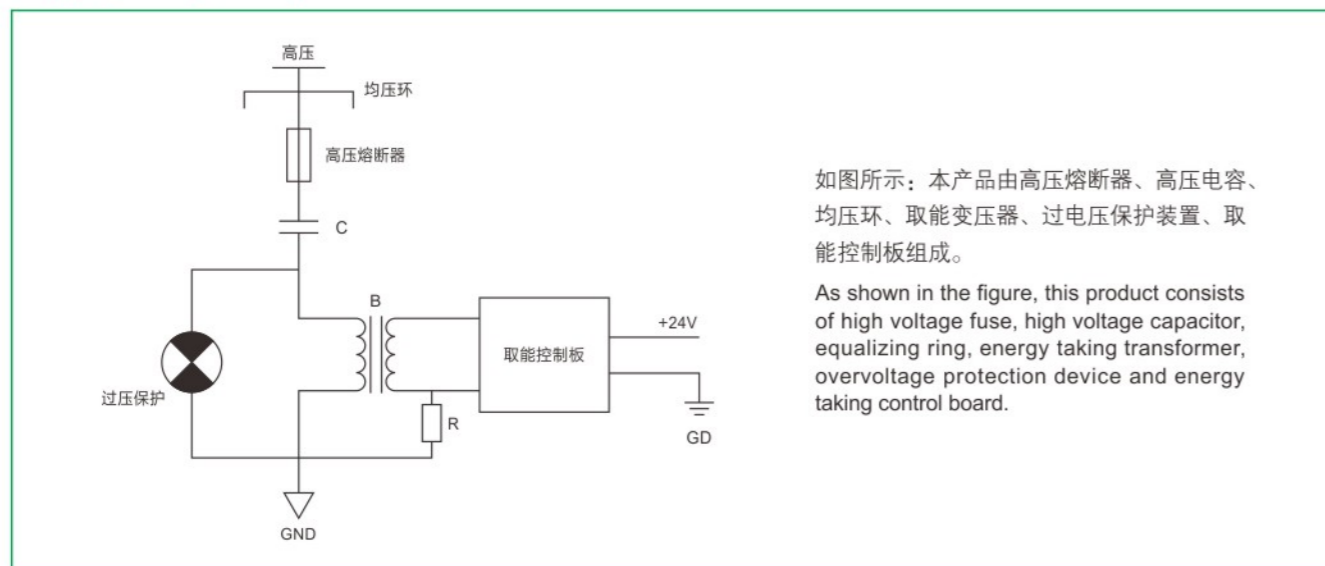
YH-POCT-100A系列产品是一种新型的高压取能装置,由高压陶瓷电容、高压熔断器、取能变压器及电源控制板组成,可输出24V直流电,供ZW20开关、ZW32开关以及故障检测等需要工作电源的场合使用,可取代传统的PT及太阳能供电方式。

YH-POCT-100A series products are a new type of high-voltage energy taking device, which consists of high-voltage ceramic capacitors, high-voltage fuses, energy taking transformers and power supply control boards, and can output 24V DC for ZW20 switch, ZW32 switch and fault detection, etc., which can replace the traditional PT and solar power supply methods.

### 主要性能指标 Main performance index

序号 No.	参数 Parameter	参数值 Parameter value
1	额定电压(一次) Rated voltage (once)	12kV
2	单相高压陶瓷电容 Single-phase high-voltage ceramic capacitor	容量: 6000pF; 容差: 10% Capacity: 6000pF; Tolerance: 10%
3	工频耐受电压 Power frequency withstand voltage	50kV, 60S
4	局部放电 Partial discharge	<5pC
5	熔断器额定电流 Fuse rated current	0.5A
6	输出电压 Output voltage	24VDC
7	额定输出功率 Output rating	20W
8	短时输出功率 Short time output power	60W/30S (接入法拉电容时 When Farah capacitor is connected,)
9	外接法拉电容 External Farah capacitor	40V/9.3F
10	外接锂电池 External lithium battery	24V/2Ah(5Ah)
11	环境温度 Ambient temperature	-40°C ~ 70°C

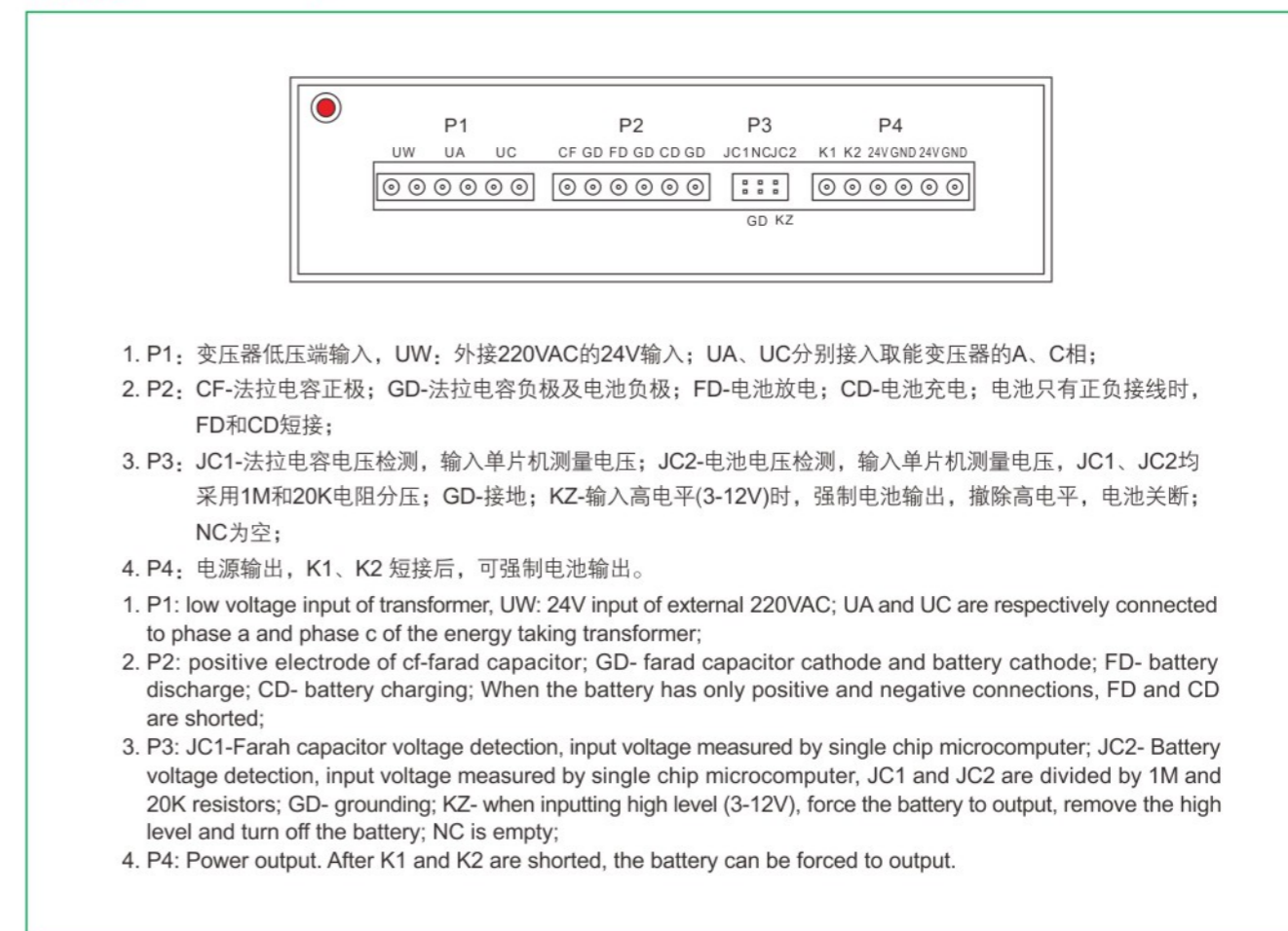
### 工作原理 Principle of operation

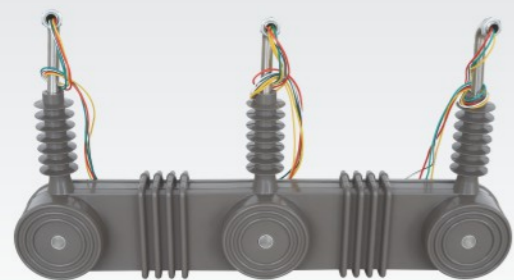


### 外形及安装尺寸 Overall dimension drawing

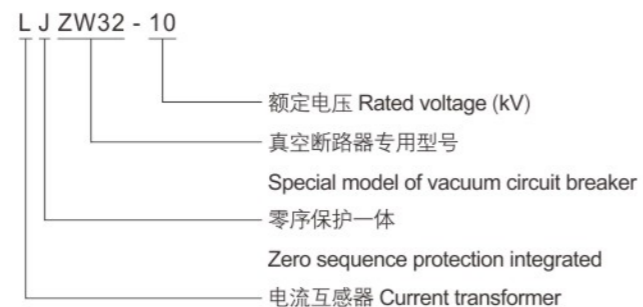


### 端子说明 Terminal description





型号含义 Type description

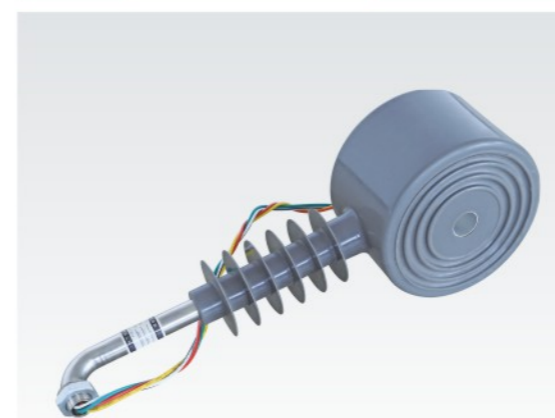
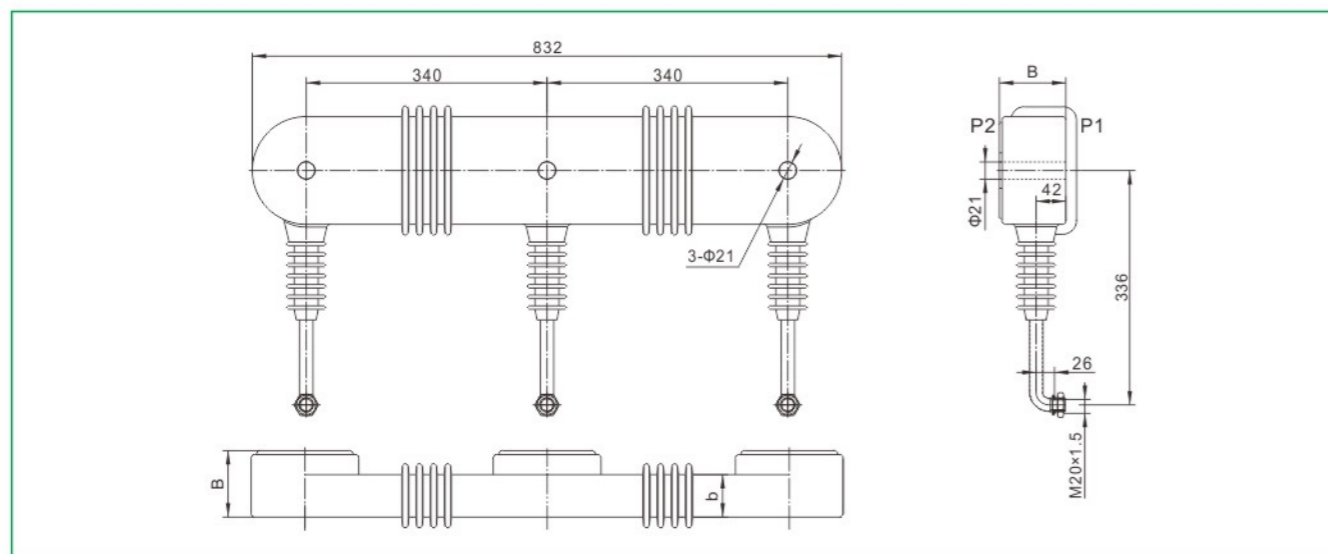


技术参数 Technical data

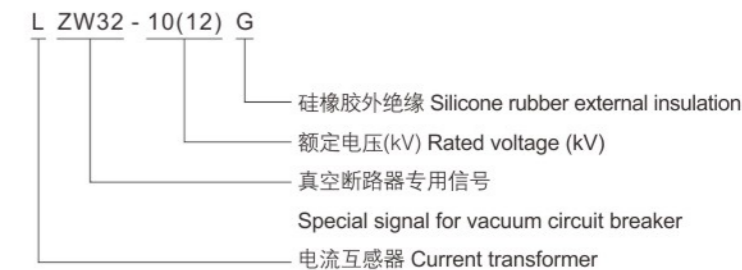
产品型号 Product model	额定电流比 (A) Rated current ratio	次级组合 Secondary combination	准确级及额定输出(VA) Accurate level and rated output				额定绝缘水平(kV) Rated insulation level
			0.2(S)	0.5(S)	1	10P10	
LJ-ZW32-10	100/5	0.2S/10P 0.2/10P 0.5/10P 10/10P	5	5	5	10	10(12)/42
	150/5						
	200/5						
	300/5						
	400/5						
	600/5						
	630/5	10/10P 5P20					
	50~75~100/5						
	75~100~150/5						
	100~150~200/5						
	150~200~300/5						
	200~300~400/5						
	200~400~600/5						
	200~400~630/5						

注：可根据用户要求制作多变比或特殊规格，多变比互感器在使用时只能使用其中一个变比，几个变比不能同时使用。  
Note: Multi-ratio or special specifications can be made according to users' requirements. When using multi-ratio transformers, only one of them can be used, and several transformers cannot be used at the same time.

外形及安装尺寸 Overall dimension drawing



型号含义 Type description

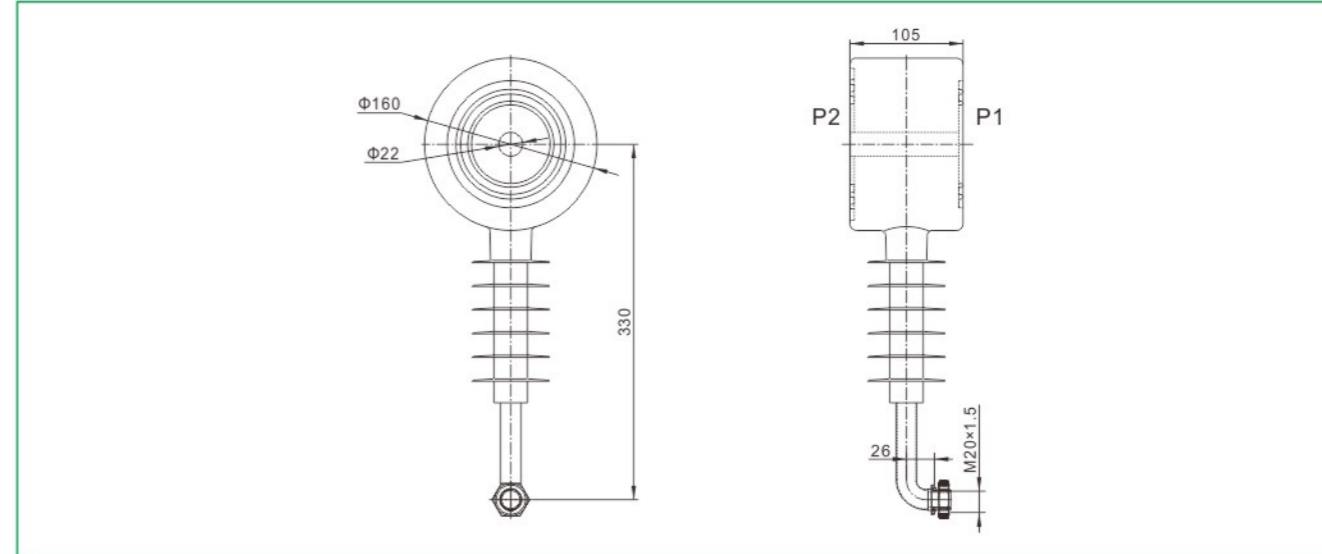


技术参数 Technical data

产品型号 Product model	额定电流比 (A) Rated current ratio	次级组合 Secondary combination	准确级及额定输出(VA) Accurate level and rated output				额定绝缘水平(kV) Rated insulation level
			0.2(S)	0.5(S)	1	10P10	
LZW32-10(12)G	100/5	0.2S/10P 0.2/10P 0.5/10P 10/10P	5	5	5	10	10(12)/42
	150/5						
	200/5						
	300/5						
	400/5						
	600/5						
	630/5	10/10P 5P20					
	50~75~100/5						
	75~100~150/5						
	100~150~200/5						
	150~200~300/5						
	200~300~400/5						
	200~400~600/5						
	200~400~630/5						

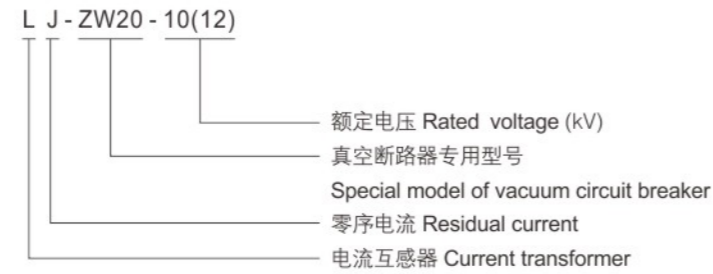
注：可根据用户要求制作多变比或特殊规格，多变比互感器在使用时只能使用其中一个变比，几个变比不能同时使用。  
Note: Multi-ratio or special specifications can be made according to users' requirements. When using multi-ratio transformers, only one of them can be used, and several transformers cannot be used at the same time.

外形及安装尺寸 Overall dimension drawing





型号含义 Type description

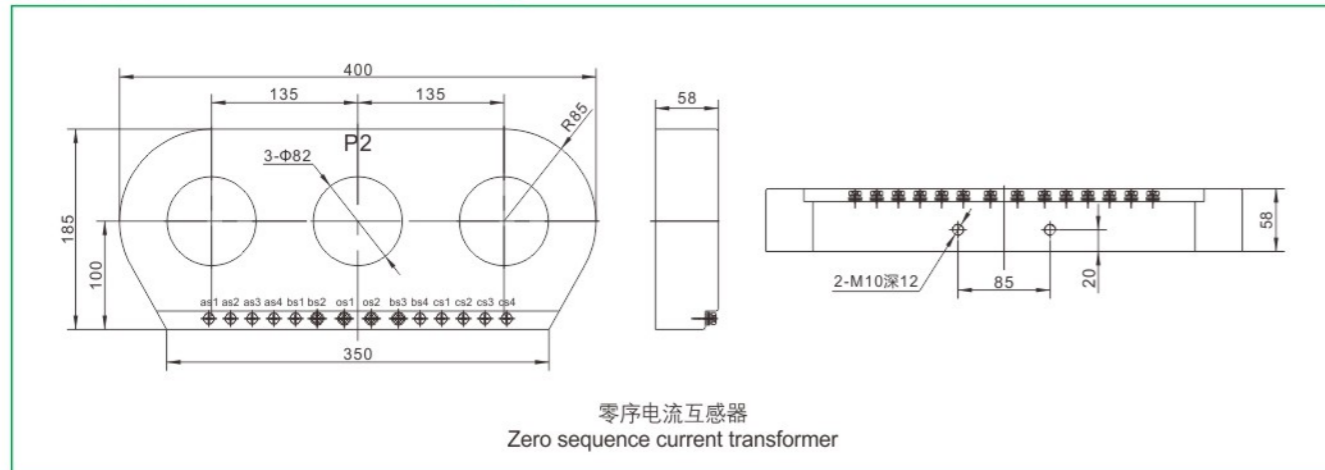


技术参数 Technical data

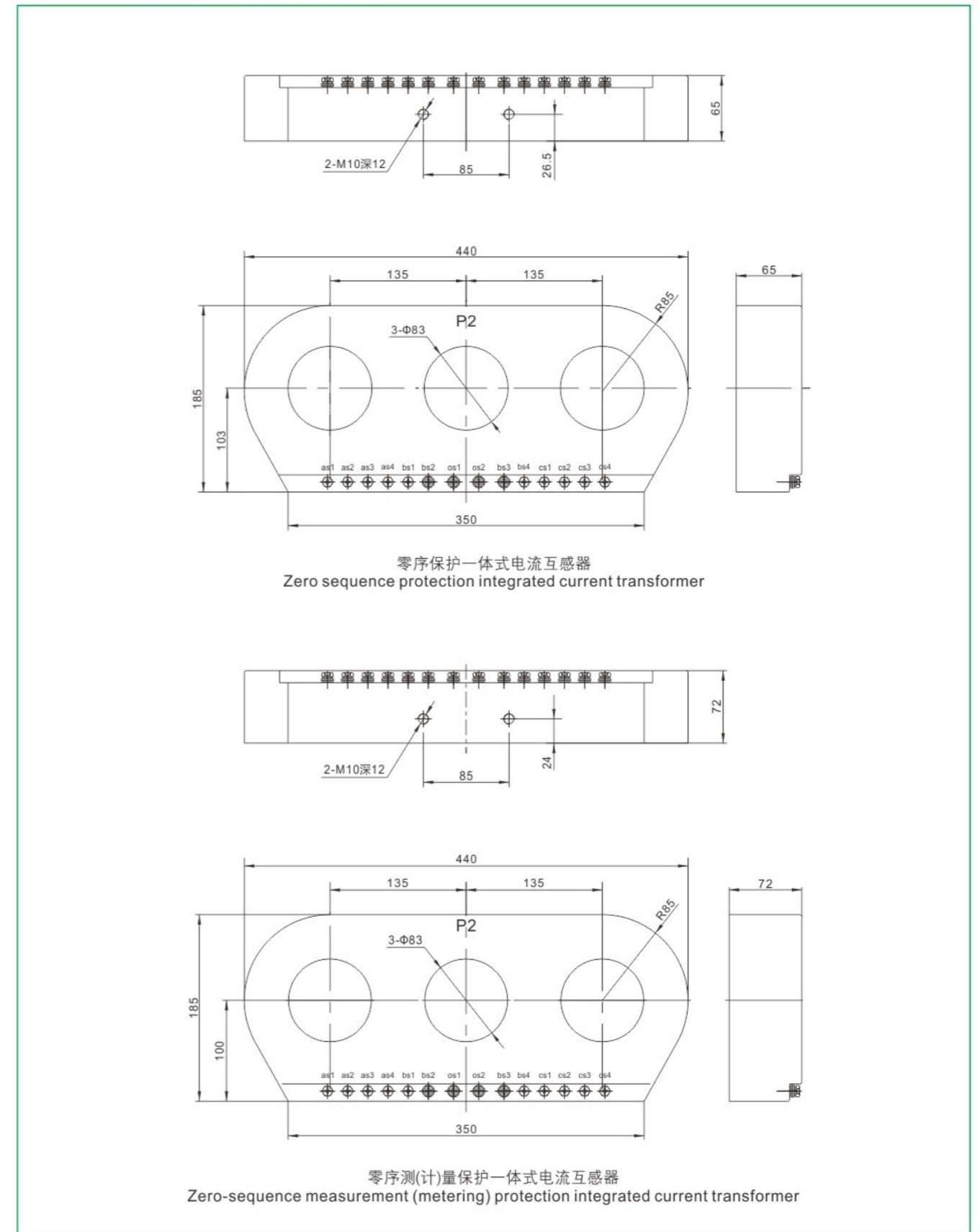
型号 Type	额定一次电流 Rated primary current (A)	次级组合 Secondary combination	额定二次电流 Rated secondary current (A)	准确级及额定输出 Accuracy class and rated output						额定绝缘水平 Rated insulation level (KV)
				0.2S(0.5)		10P(5P)		5P20		
LJ-ZW20-10(12)	50, 75, 100	5P(10P)	5(1)	5	5	10	1	1.5	2.5	10(12)/42
	100, 150, 200						2.5	3.75	5	
	100, 200, 300	10P20		5	10	15	2.5	5	7.5	
	200, 300, 400			10	10	15	5	7.5	10	
	200, 400, 600	0.2S/10P 0.5/10P		10	15	20	5	10	15	
	400, 600, 800			15	20	30	10	15	20	
	600, 800, 1000	0.2S/5P20 0.5/5P20		20	30	40	15	20	25	
	800, 1000, 1200			30	40	50	20	30	40	
零序 Zero sequence	20	10P 3级 Level	1	0.1Ω						
	50	10P 1级 Level		0.2Ω						

- 注: 1. 可根据用户需求制作特殊规格或高精度产品。  
2. 该电流互感器在使用时只能使用其中一个变比, 几个变比不能同时使用。  
3. 该型电流互感器为我公司为电力系统智能化, 特殊研制的新型产品。体积小, 组合非常合理。可实现A、B、C三相(测)量保护及零序接地保护。
- Note: 1. Special specifications or high-precision products can be made according to user requirements.  
2. Only one of the transformers can be used when the current transformer is in use, and several transformers cannot be used at the same time.  
3. This type of current transformer is a new product specially developed by our company for intelligent power system. Small size and reasonable combination. It can realize a, b and c three-phase metering (measurement) protection and zero-sequence grounding protection.

外形及安装尺寸 Overall dimension drawing



外形及安装尺寸 Overall dimension drawing





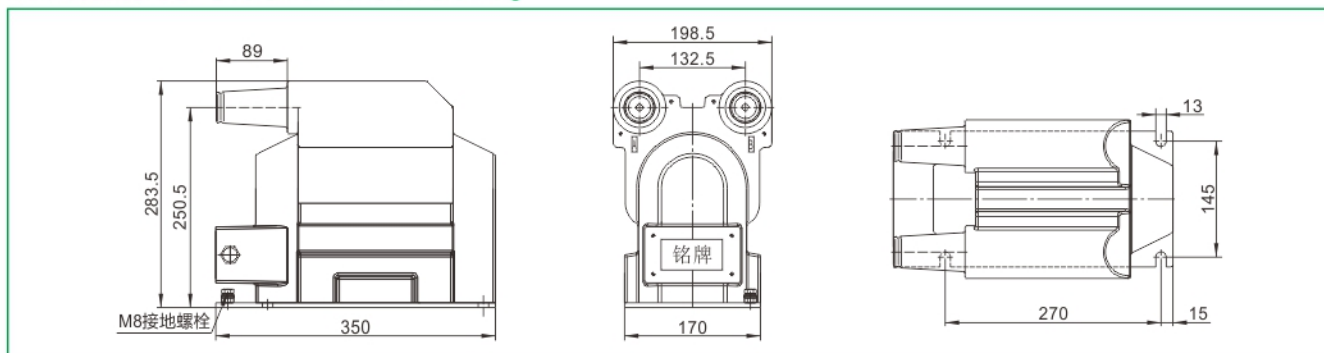
型号含义 Type description



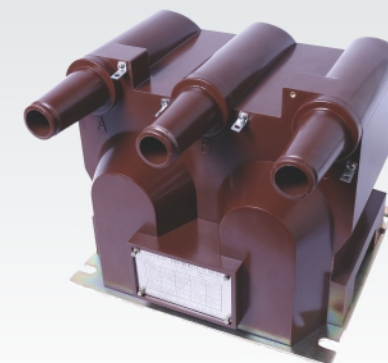
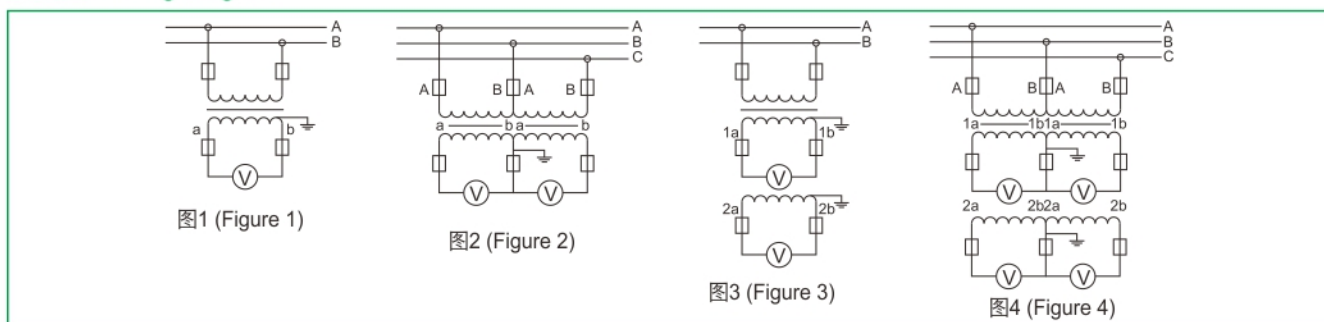
技术参数 Technical data

额定电压比 Rated voltage ratio (V)	额定二次输出 Rated secondary output(VA)					极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level (kV)	接线图 Wiring diagram
	0.2	0.5	1级	3级	0.2/0.2 0.2/0.5			
3000/100	30	80	150	250	/	/	600	3.6/23/40
6000/100								7.2/32/60
10000/100								图1-图2 Figure 1-2
10000/220								
10000/100/100	/	/	/	/	15/15	40/40	300/300	12/42/75
					15/20			图3-图4 Figure 3-4
10000/100/220	/	/	/	/	0.2/3---30/250	0.5/3---80/250	300/500	

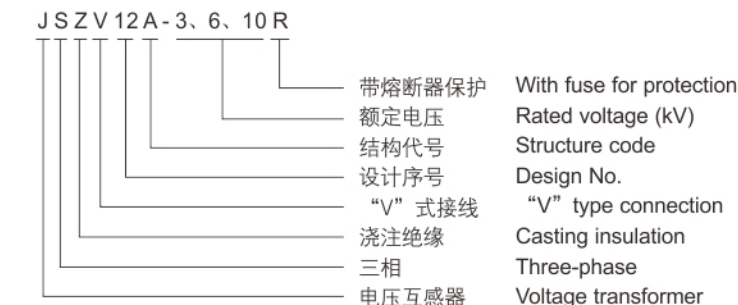
外形及安装尺寸 Overall dimension drawing



接线图 Wiring diagram



型号含义 Type description

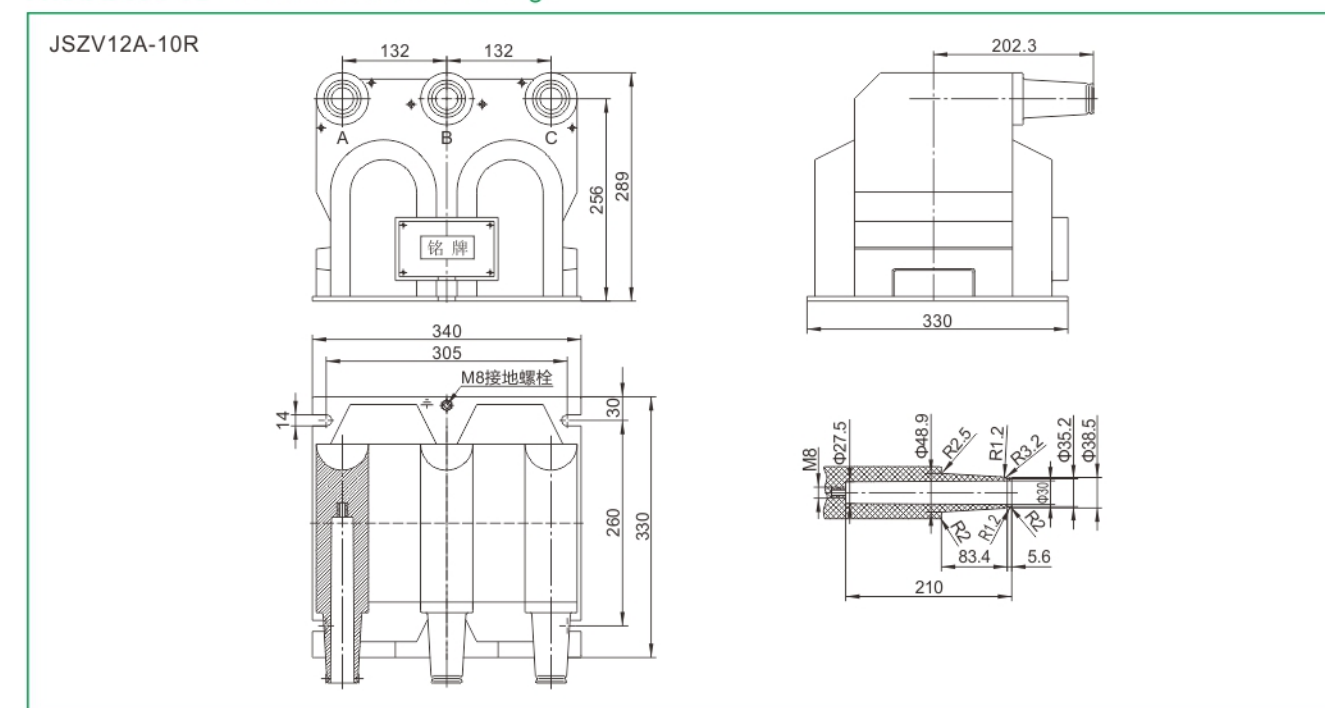


技术参数 Technical data

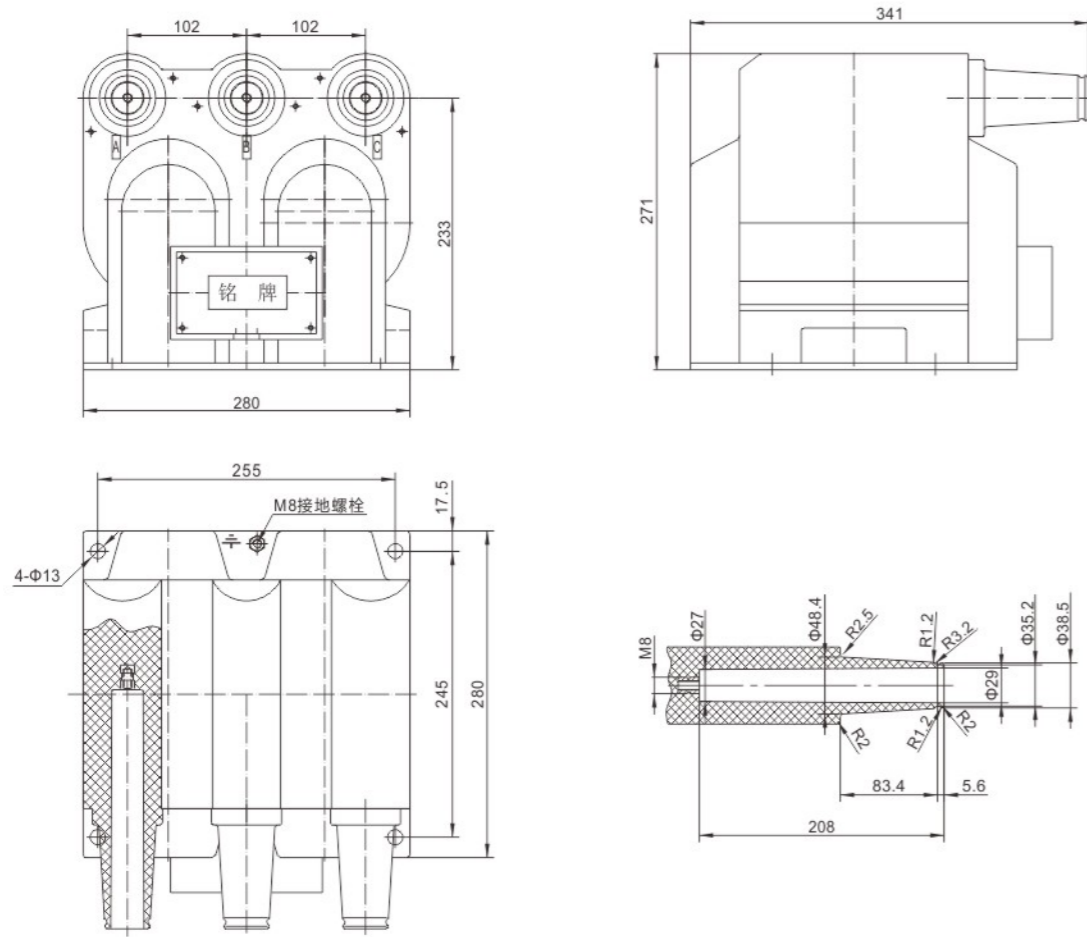
额定电压比 Rated voltage ratio (V)	准确级及三相额定二次输出(VA) Accuracy class Three-phase rated secondary output	极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level(kV)	接线图 Wiring diagram
3000/100	0.2---30 × √3	600 × √3	3.6/23/40	图1 Figure 1
6000/100	0.5---90 × √3		7.2/32/60	
10000/100	1---250 × √3		12/42/75	
3000/100/100	0.2/0.2---20 × √3 / 20 × √3	500 × √3 500 × √3	3.6/23/40	图2 Figure 2
6000/100/100	0.2/0.5---20 × √3 / 20 × √3		7.2/32/60	
10000/100/100	0.5/0.5---45 × √3 / 45 × √3		12/42/75	
10000/100/220	0.2/3---30 × √3 / 300	600 × √3 / 1000		
	0.5/3---90 × √3 / 300			

注：一次端子电缆连接形式：JSZV12A-3、6、10R一次端子与美式200A大口径型插头配套使用。  
Note: The first wiring point connection mode: JSZV12A-3、6、10R first wiring point and 200A American type heavy-calibre elbow piug cooperate.

外形及安装尺寸 Overall dimension drawing



JSZV18-10R



接线图 Wiring diagram

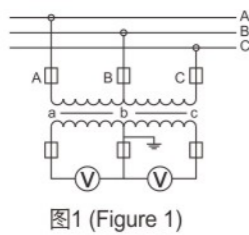


图1 (Figure 1)

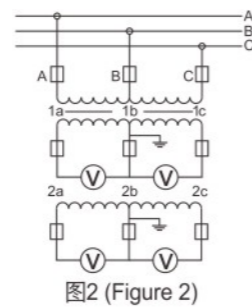
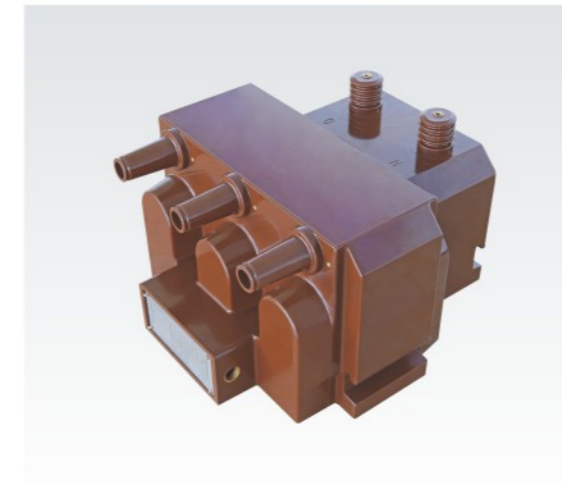


图2 (Figure 2)



型号含义 Type description

JSZWF12-10R	含义	英文描述
带熔断器保护	带熔断器保护	With fuse for protection
额定电压	额定电压	Rated voltage (kV)
设计序号	设计序号	Design No.
防铁磁谐振	防铁磁谐振	Anti-ferromagnetic resonance
五柱	五柱	Five pillars
浇注绝缘	浇注绝缘	Casting insulation
三相	三相	Three-phase
电压互感器	电压互感器	Voltage transformer

概述 Summary

本型互感器是为国网标准化设计的三相五柱电压互感器，采用4PT防铁磁谐振原理，当系统发生不同程度接地故障时，均不会产生谐振，且可以长时间运行，同时保护绕组产生100V电压，使继电器动作。另外当系统发生不同程度的缺相时，保护绕组也可产生保护电压，使继电器动作。一次端子与美式200A大口径肘型插头配套使用，在插头内设有专用熔断器。适用于额定频率50Hz，额定电压10kV及以下的户内装置的电力系统及其设备中向电压表、功率表、电度表等供给标准电压，又能向接地继电器以及接地检漏计供给电压，以及起到接地警报作用和检漏作用，具有抗分频、工频谐振，不会过励磁烧毁，是一二次融合最理想产品。

This type of transformer is a three-phase five-column voltage transformer designed for the standardization of the State Grid. It adopts the principle of 4PT anti-ferromagnetic resonance. When the system has different degrees of ground faults, it will not produce resonance, and it can run for a long time. At the same time, the protection winding generates 100V voltage to make the relay operate. In addition, when the system is out of phase in different degrees, the protection winding can also generate protection voltage to make the relay operate. The primary terminal is matched with American 200A large diameter elbow plug, and a special fuse is set in the plug. It is suitable for supplying standard voltage to voltmeter, power meter, electric meter, etc. in the power system and equipment of indoor devices with rated frequency of 50Hz and rated voltage of 10kV and below, and can supply voltage to grounding relay and grounding leak detector, and play the role of grounding alarm and leak detection. It has anti-frequency-division, power frequency resonance, and will not be burnt by overexcitation. It is the most ideal product for primary and secondary integration.

技术参数 Technical data

型号 Type	额定电压比 Rated voltage ratio (kV)	准确级及其额定输出(VA) Accuracy class and rated output(VA)			二次热极限输出 Limiting thermal output of secondary winding (kV)	重量 Weight (kg)
		0.2	0.5	3P 6P		
JSZWF12-10R	10/√3/0.1/√3/0.1/√3/0.1 6/√3/0.1/√3/0.1/√3/0.1	3×10	3×15	100	3×400	125
	10/√3/0.1/√3/0.22/√3/0.1 6/√3/0.1/√3/0.22/√3/0.1	3×10	3×30	100	电源绕组 Power supply winding 3×300	

注：1. 如用户要求的参数超出上表范围，可与我公司协商后确定。

2. 配用熔断器型号为XRNP□-12、7.2型，0.5A，50kA。

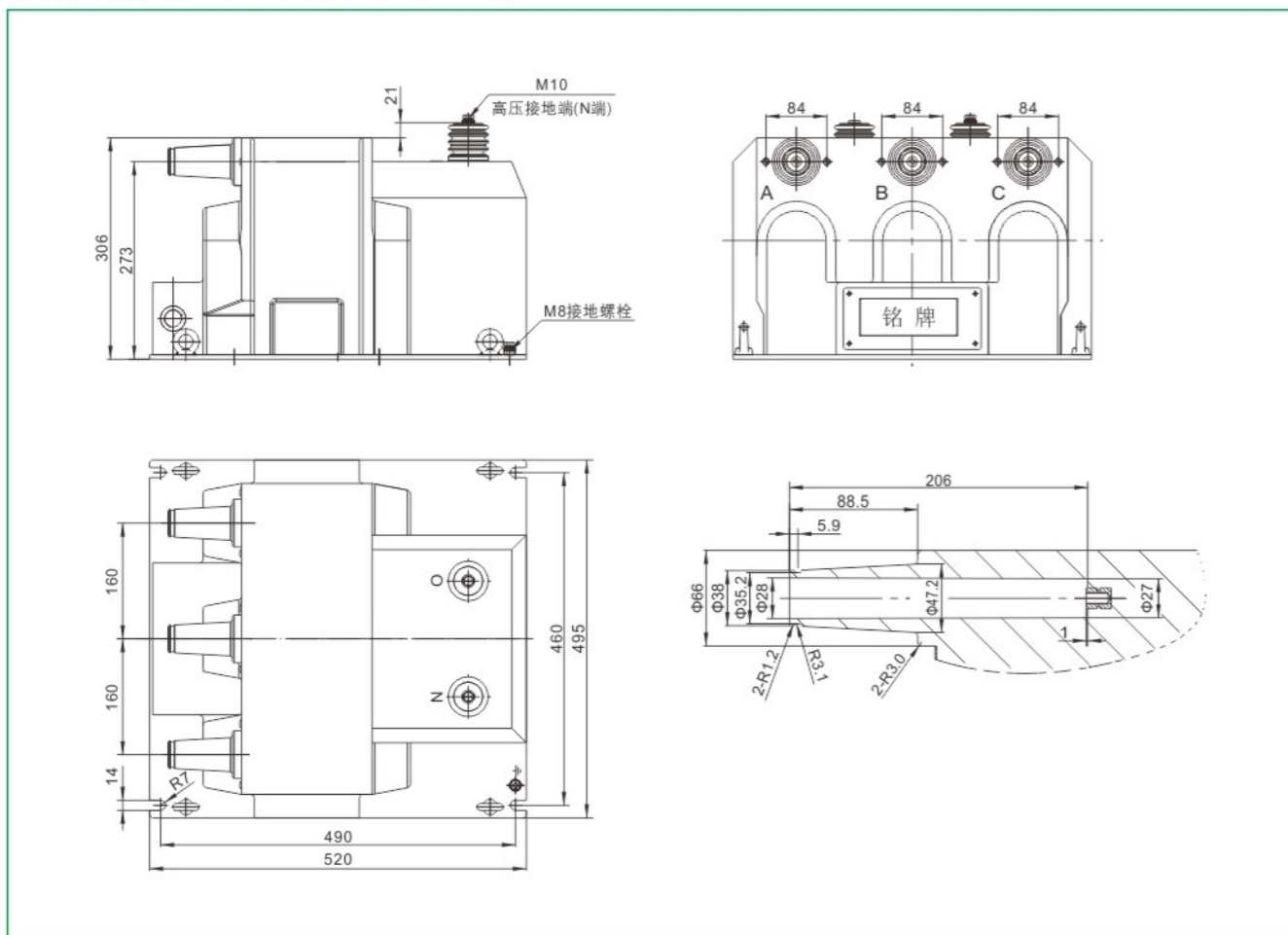
3. 配用肘型头型号为20kV电压等级、美式200A。

Note: 1. If user's data go beyond the above-mentioned scope, they may be subject to an agreement between manufacturer and purchaser.

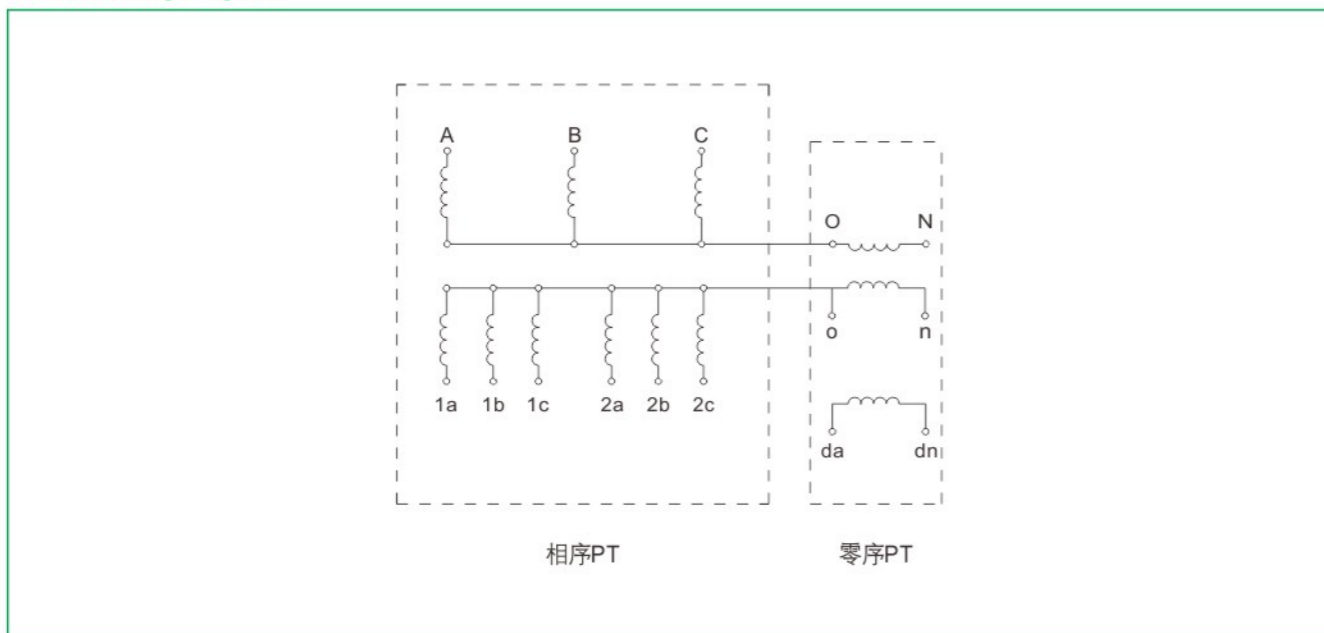
2. The fusible cutout's type: XRNP□-12, 7.2, 0.5A, 50kA.

3. The voltage class of the attached cable head is 20kV, American 200A.

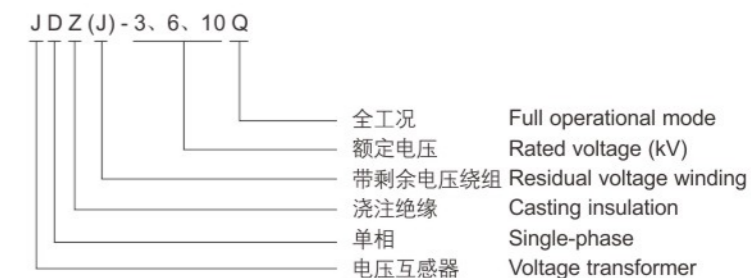
外形及安装尺寸 Overall dimension drawing



接线图 Wiring diagram



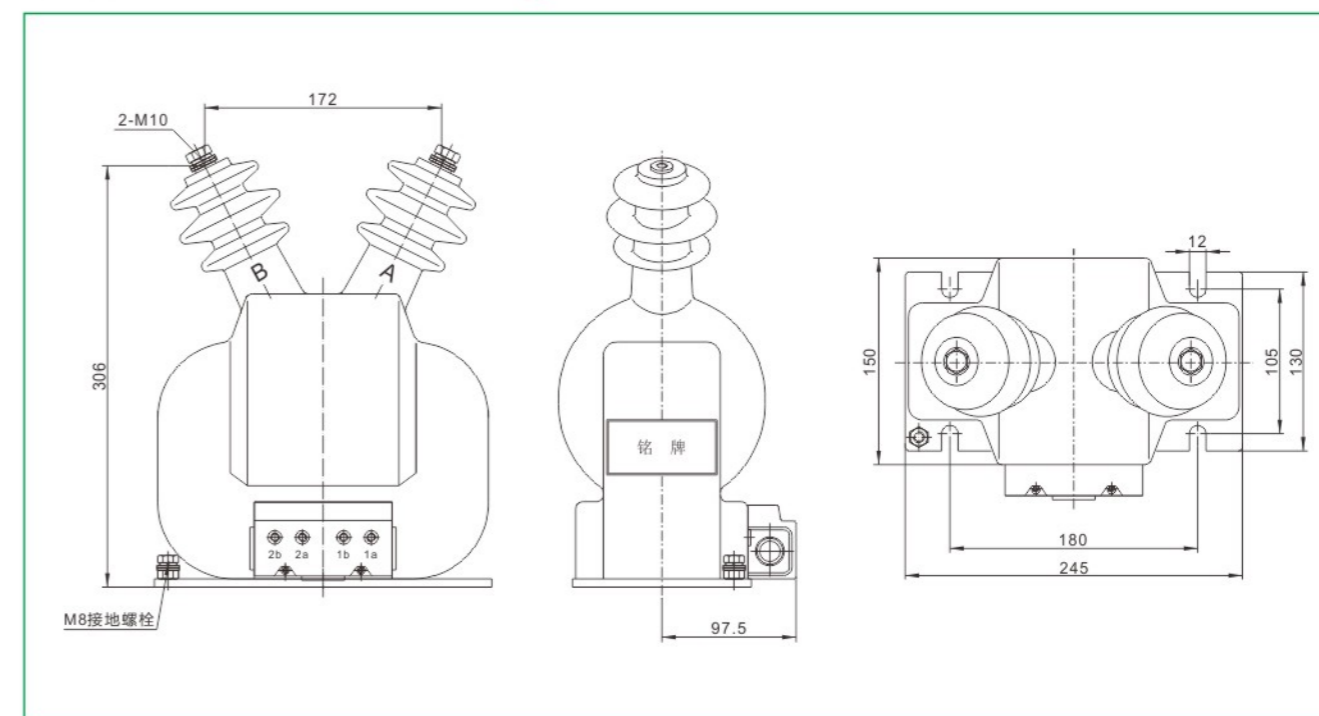
型号含义 Type description

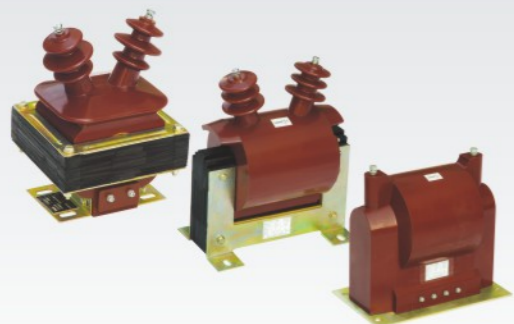


技术参数 Technical data

型号 Type	额定电压比 Rated voltage ratio (V)	额定二次输出 Rated secondary output (VA)						极限输出 Max. output (VA)	额定绝缘水平 Rated insulation level (kV)	
		0.2	0.5	1级	3级	0.2/0.2 0.2/0.5	0.5/0.5			6P
JDZ-3Q	3000/100	20	30	50	80	15/15	30/30	/	200	3.6/25/40
JDZ-6Q	6000/100	30	50	80	200	15/15	30/30		400	7.2/32/60
JDZ-10Q	10000/100	30	80	150	300	15/20	50/50	50	500	12/42/75
JDZJ-3Q	$\frac{3000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$		30	50	80				200	3.6/25/40
JDZJ-6Q	$\frac{6000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$	20	50	80	200	/	/	400	7.2/32/60	
JDZJ-10Q	$\frac{10000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$		50	80	200			100	12/42/75	
	$\frac{10000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$	/	/	/	/	15/15	25/25	200/200		

外形及安装尺寸 Overall dimension drawing





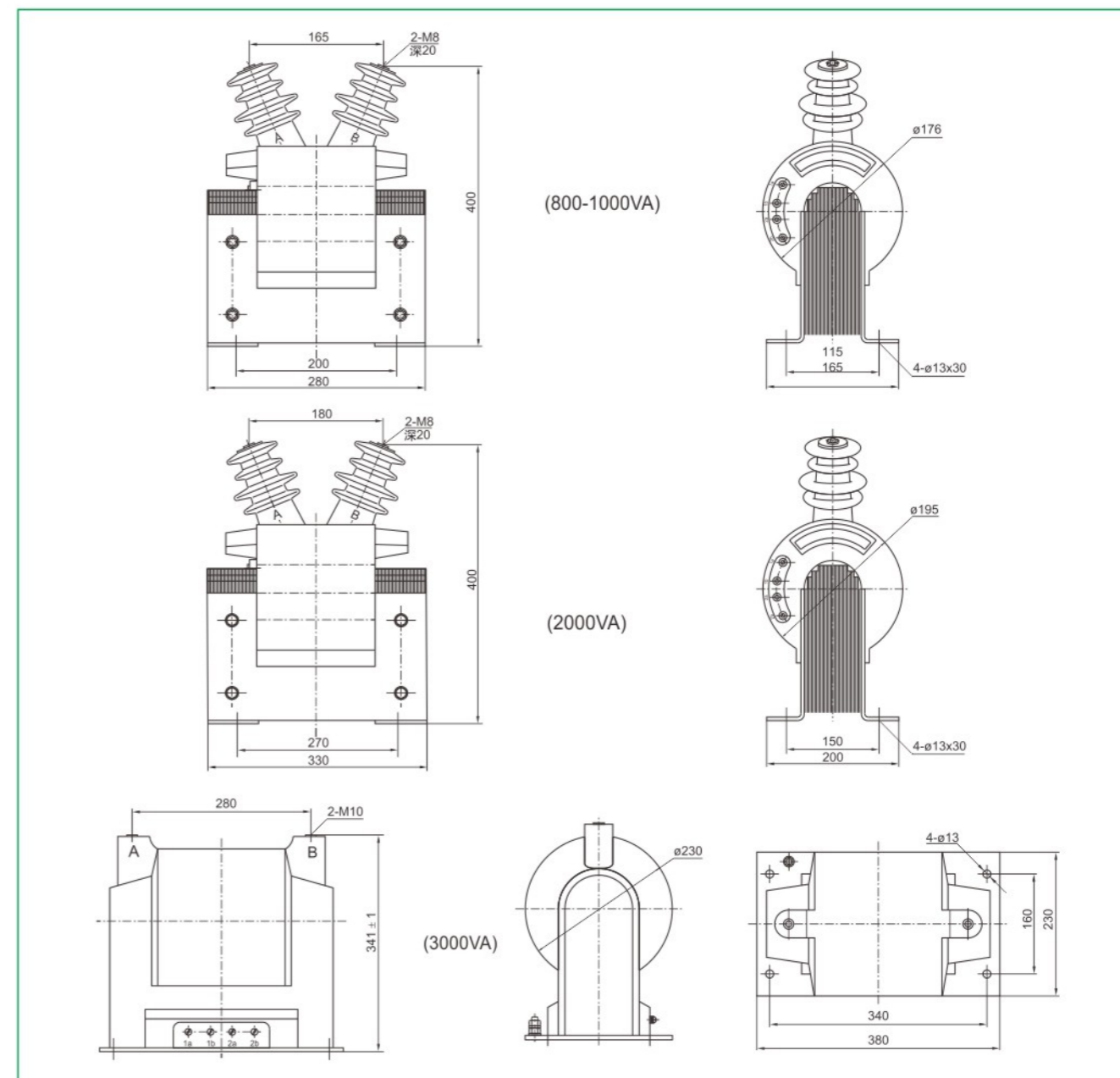
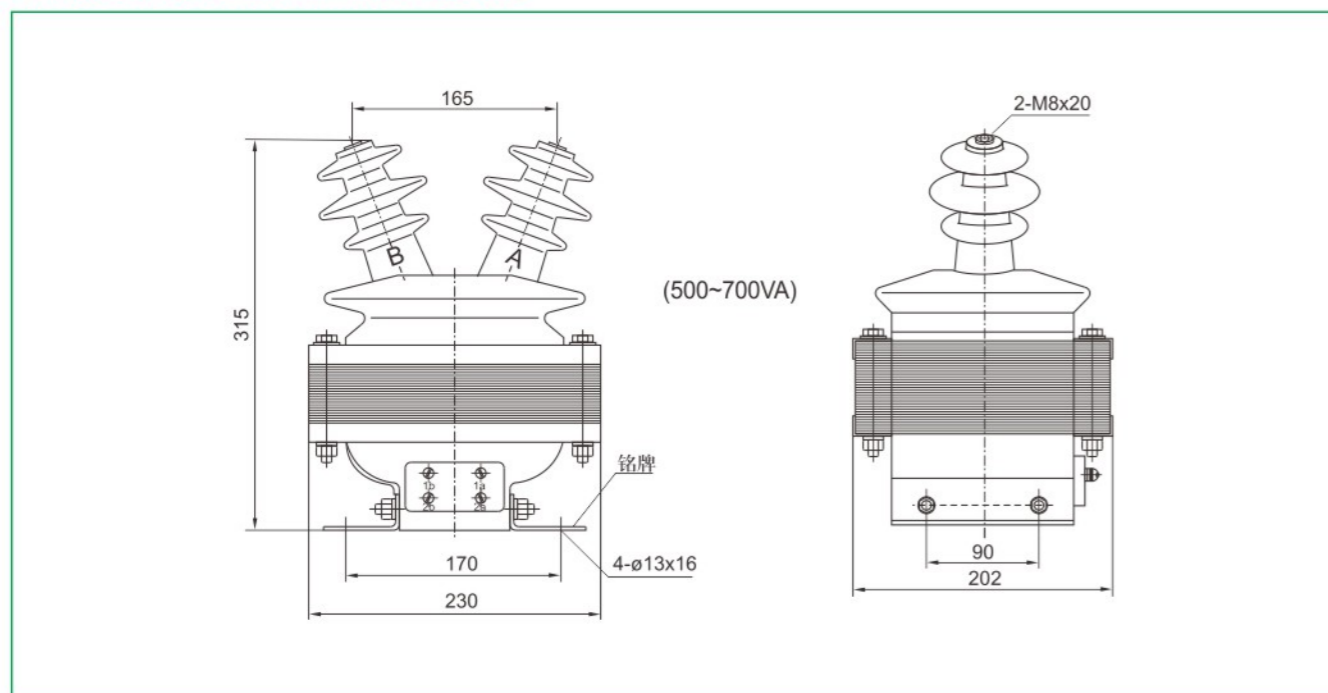
型号含义 Type description



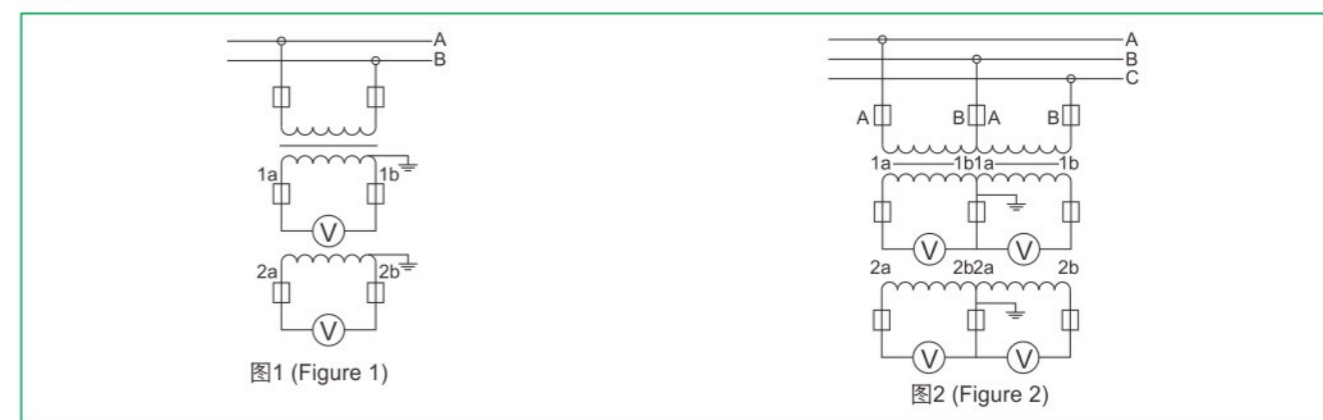
技术参数 Technical data

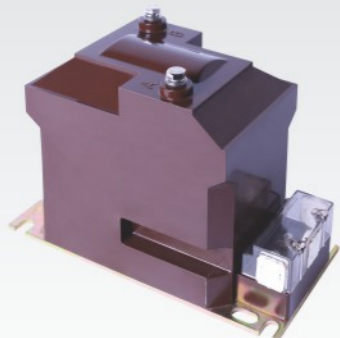
型号 Type	额定电压比 Rated voltage ratio (V)	额定二次输出 Rated secondary output(VA)	极限输出(VA)	额定绝缘水平 Rated insulation level (kV)	
JDZC-6	6000/100/220	0.2/3---30/300	500	7.2/32/60	
		0.5/3---50/300	700		
		0.2/3---30/400	800		
		0.5/3---50/400	1000		
JDZC-10	10000/100/220	0.2/3---50/1000	2000		12/42/75
		0.5/3---80/1000	3000		
		0.2/3---50/1500			
		0.5/3---80/1500			

外形及安装尺寸 Overall dimension drawing

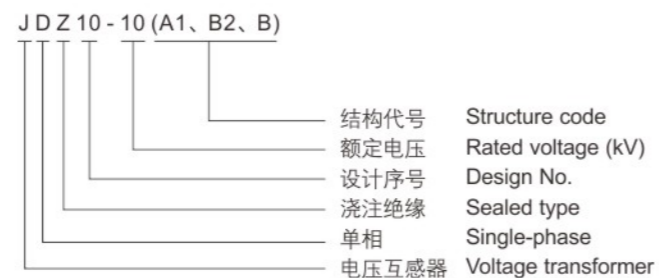


接线图 Wiring diagram





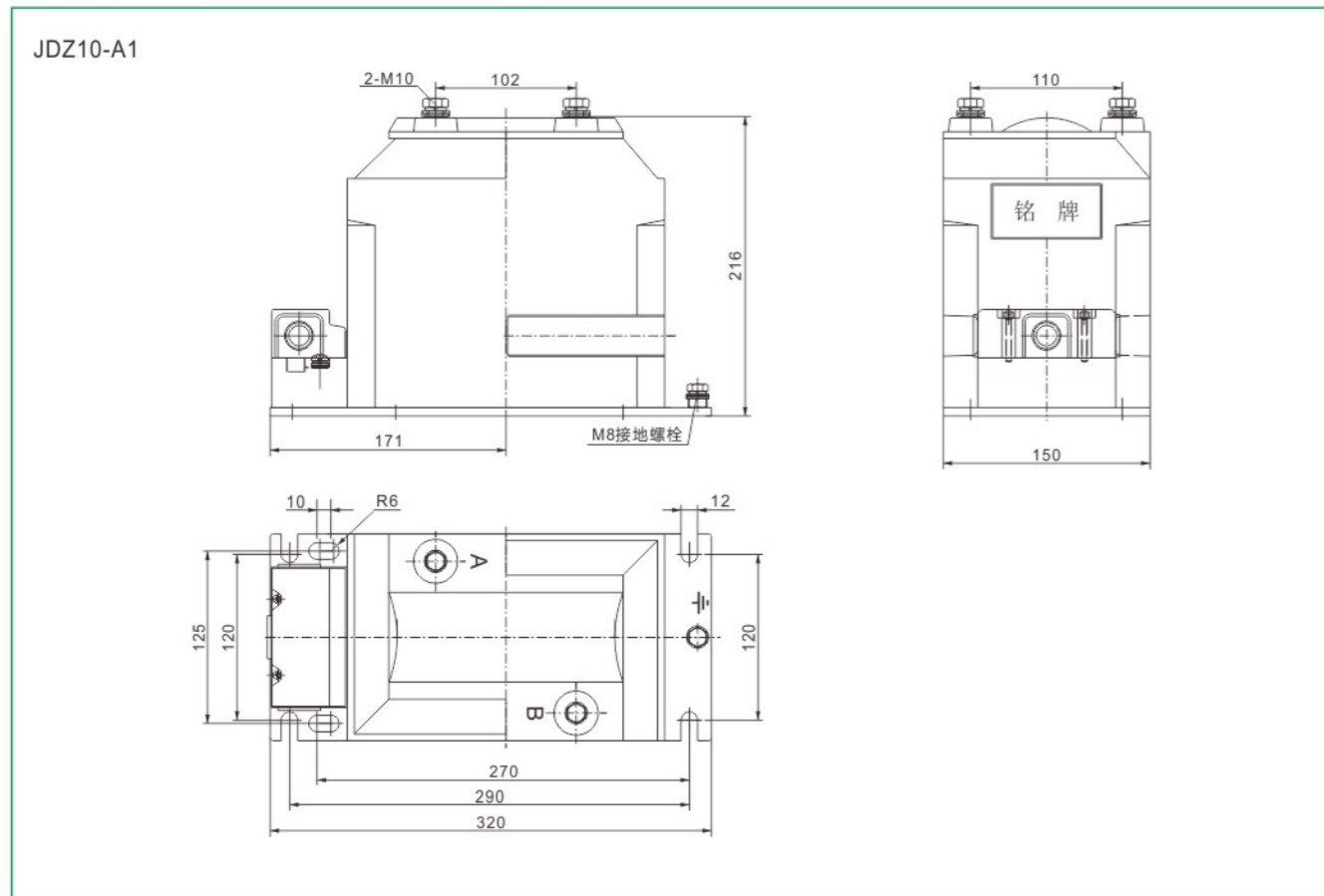
型号含义 Type description



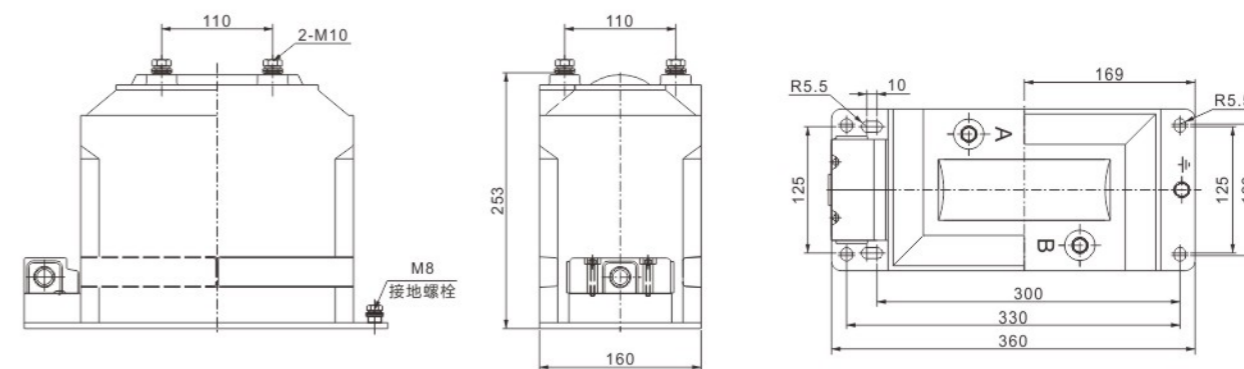
技术参数 Technical data

额定电压比 Rated voltage ratio (V)	额定二次输出 Rated secondary output(VA)				极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level (kV)	备注 Notes	接线图 Wiring diagram
	0.2	0.5	1级	3级				
3000/100						3.6/25/40	等同“RZL” Same “RZL”	图1-图2 Figure 1-2
6000/100	15	30	60	150	200	7.2/32/60		
10000/100						12/42/75		

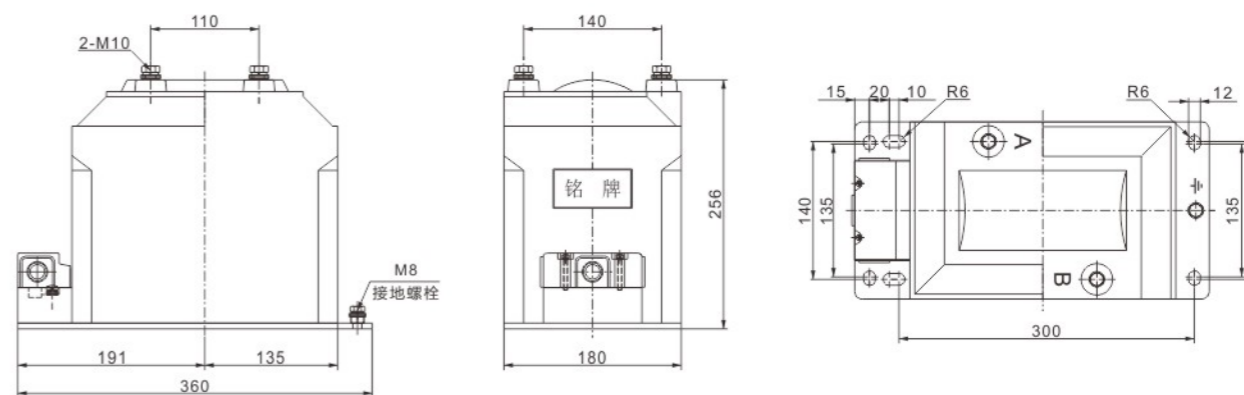
外形及安装尺寸 Overall dimension drawing



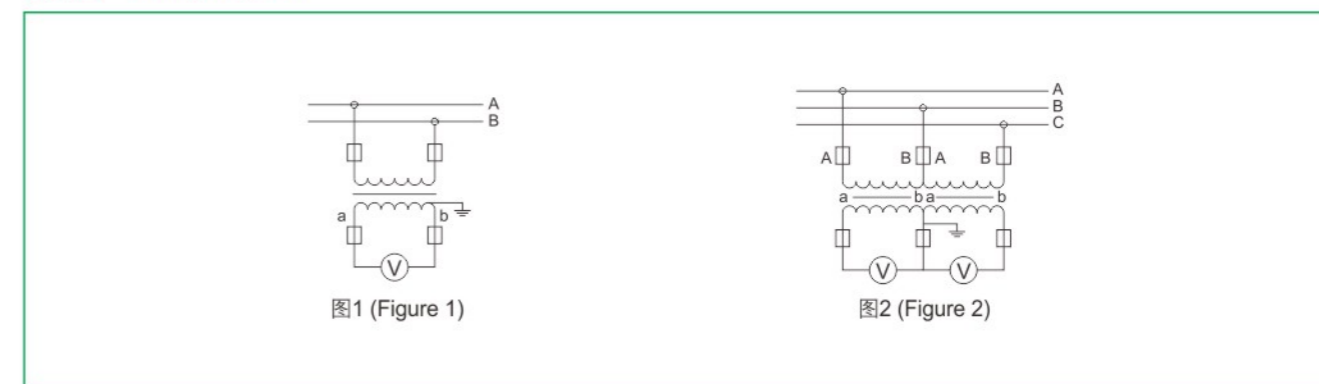
JDZ10-A2



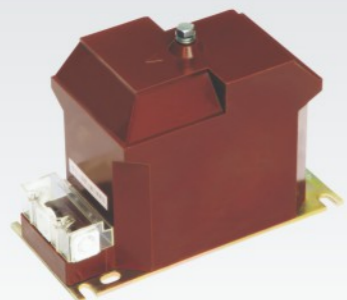
JDZ10-B



接线图 Wiring diagram







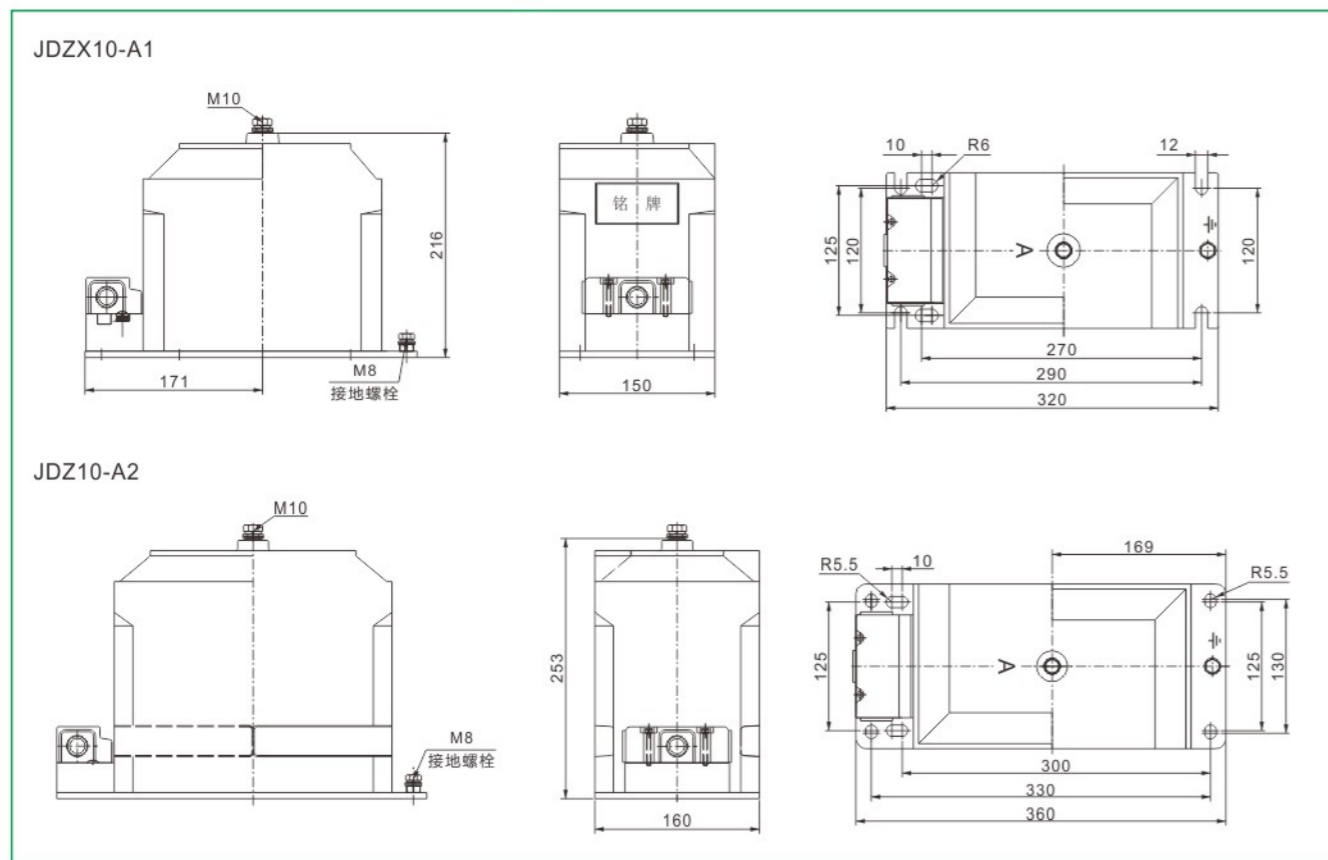
型号含义 Type description



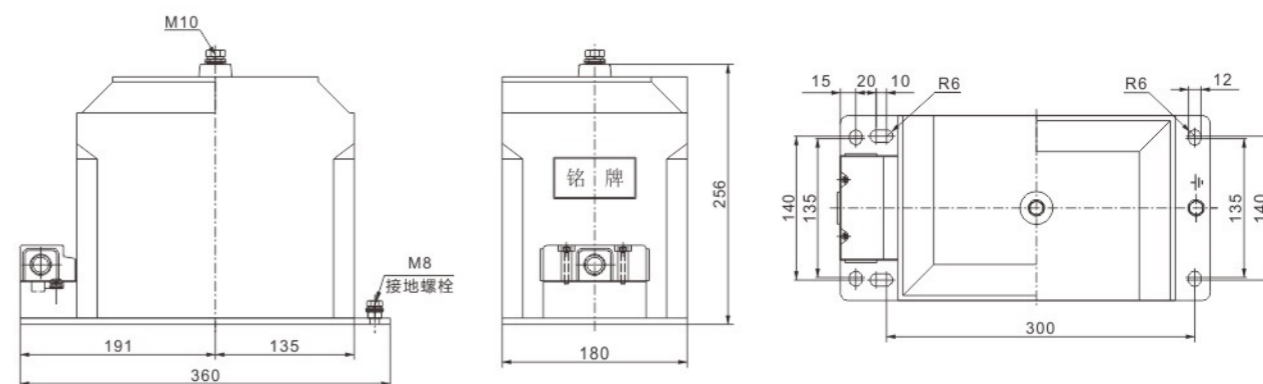
技术参数 Technical data

额定电压比 Rated voltage ratio (V)	额定二次输出 Rated secondary output(VA)					极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level (kV)	备注 Notes
	0.2	0.5	1级	3级	6P			
$\frac{3000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$	15	30	60	150	50	200	3.6/25/40	等同 "REL" Same "REL"
$\frac{6000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$							7.2/32/60	
$\frac{10000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$							12/42/75	

外形及安装尺寸 Overall dimension drawing



JDZX10-B



接线图 Wiring diagram

JDZX10-3、6、10A1

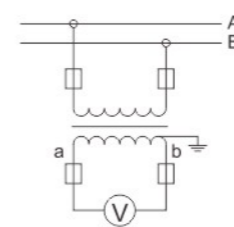


图1(Figure 1)

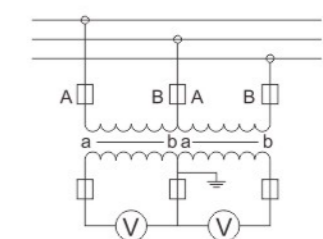


图2(Figure 2)

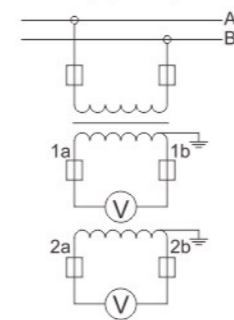


图3(Figure 3)

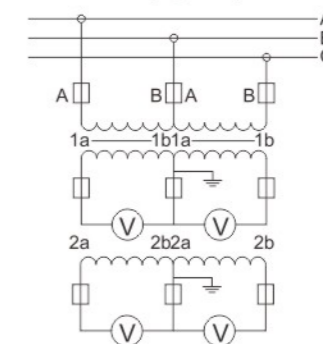


图4(Figure 4)

JDZX10-3、6、10A1G

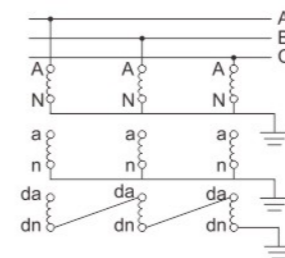


图5(Figure 5)

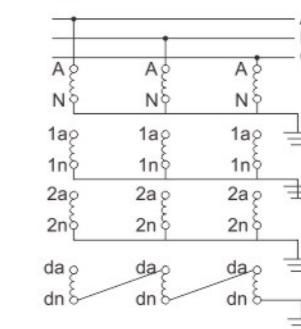
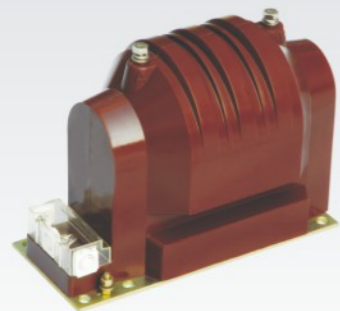
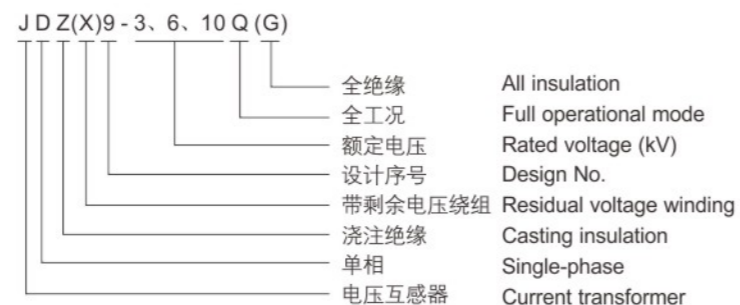


图6(Figure 6)



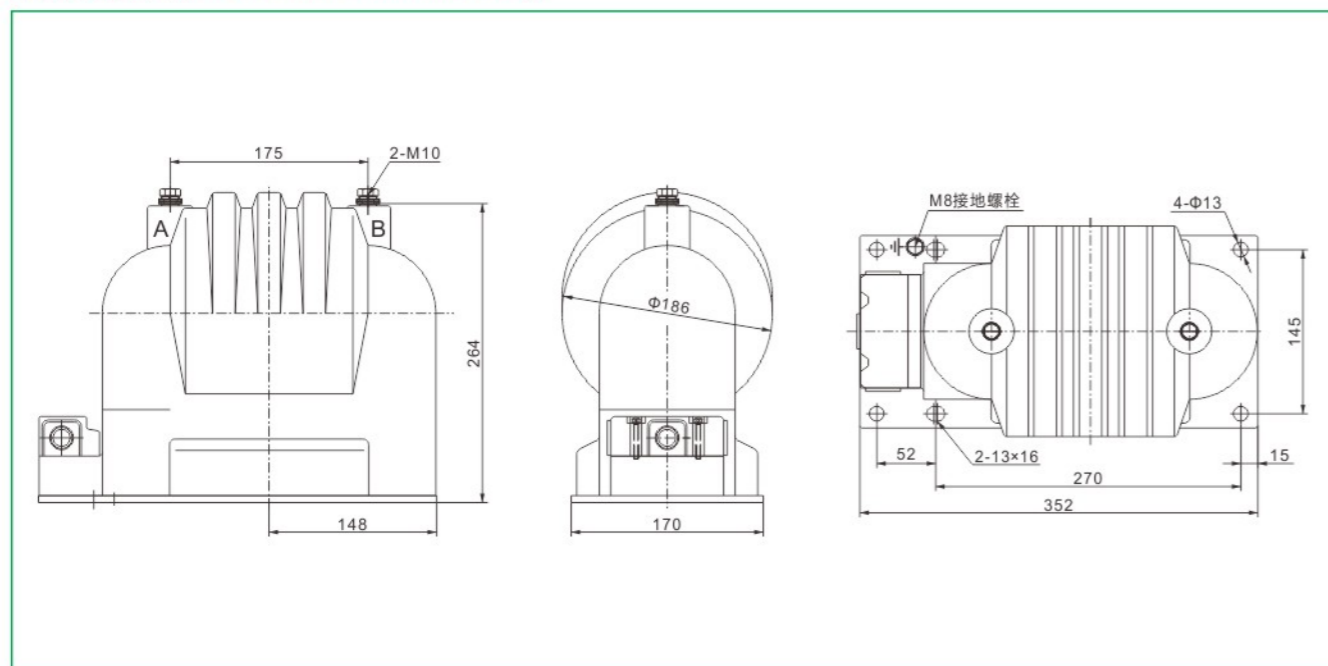
型号含义 Type description



技术参数 Technical data

型号 Type	额定电压比 Rated voltage ratio (V)	额定二次输出 Rated secondary output(VA)						极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level(kV)	备注 Notes	接线图 Wiring diagram
		0.2	0.5	1级	3级	0.2/0.2 0.2/0.5	0.5/0.5				
JDZ9-3Q	3000/100								3.6/25/40	等同 "VKV" Same "VKV"	图1-图2 Figure 1-2
JDZ9-6Q	6000/100	40	100	200	240	/	/	500			
JDZ9-10Q	10000/100								12/42/75		图3-图4 Figure 3-4
JDZ9-10Q	10000/100/100	/	/	/	/	20/20 20/30	30/30	400/400			
JDZX9-3G	$\frac{3000}{\sqrt{3}}$ / $\frac{100}{\sqrt{3}}$ / $\frac{100}{3}$								3.6/25/40	/	图5 Figure 5
JDZX9-6G	$\frac{6000}{\sqrt{3}}$ / $\frac{100}{\sqrt{3}}$ / $\frac{100}{3}$	30	60	180	500	/	/	600			
JDZX9-10G	$\frac{10000}{\sqrt{3}}$ / $\frac{100}{\sqrt{3}}$ / $\frac{100}{3}$								12/42/75		
JDZX9-10G	$\frac{10000}{\sqrt{3}}$ / $\frac{100}{\sqrt{3}}$ / $\frac{100}{\sqrt{3}}$ / $\frac{100}{3}$	/	/	/	/	15/15 15/20	40/40	400/400			图6 Figure 6

外形及安装尺寸 Overall dimension drawing



JDZ9-3、6、10Q

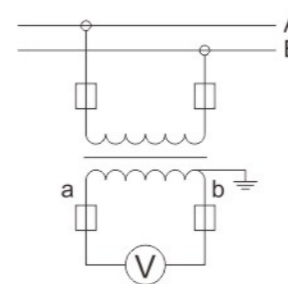


图1 (Figure 1)

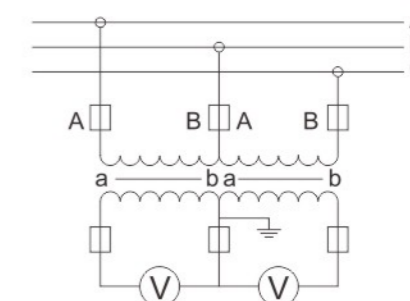


图2 (Figure 2)

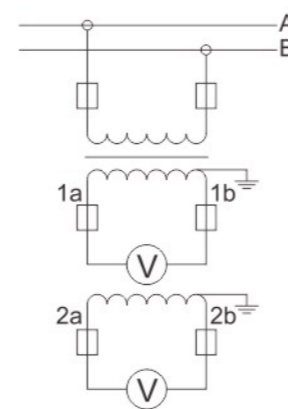


图3 (Figure 3)

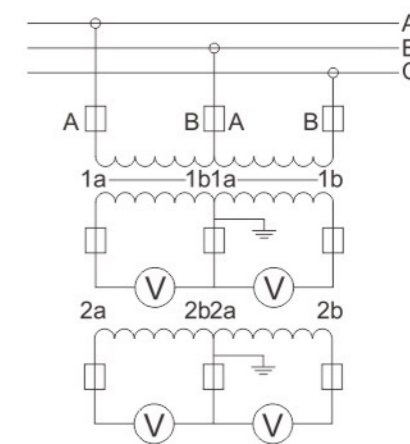


图4 (Figure 4)

JDZX9-3、6、10G

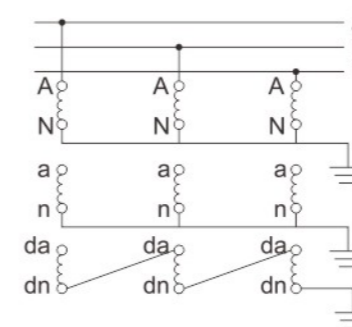


图5 (Figure 5)

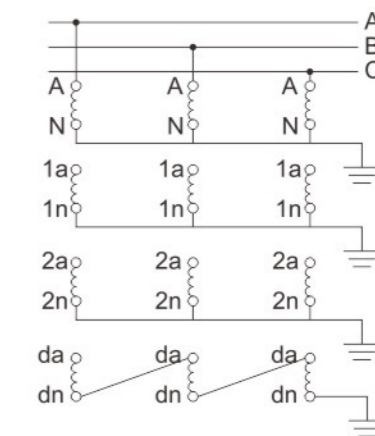
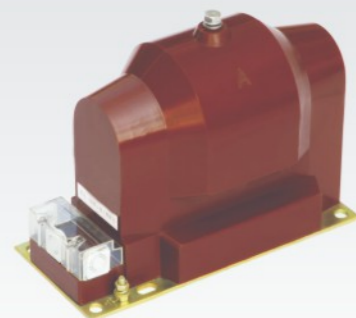


图6 (Figure 6)



型号含义 Type description

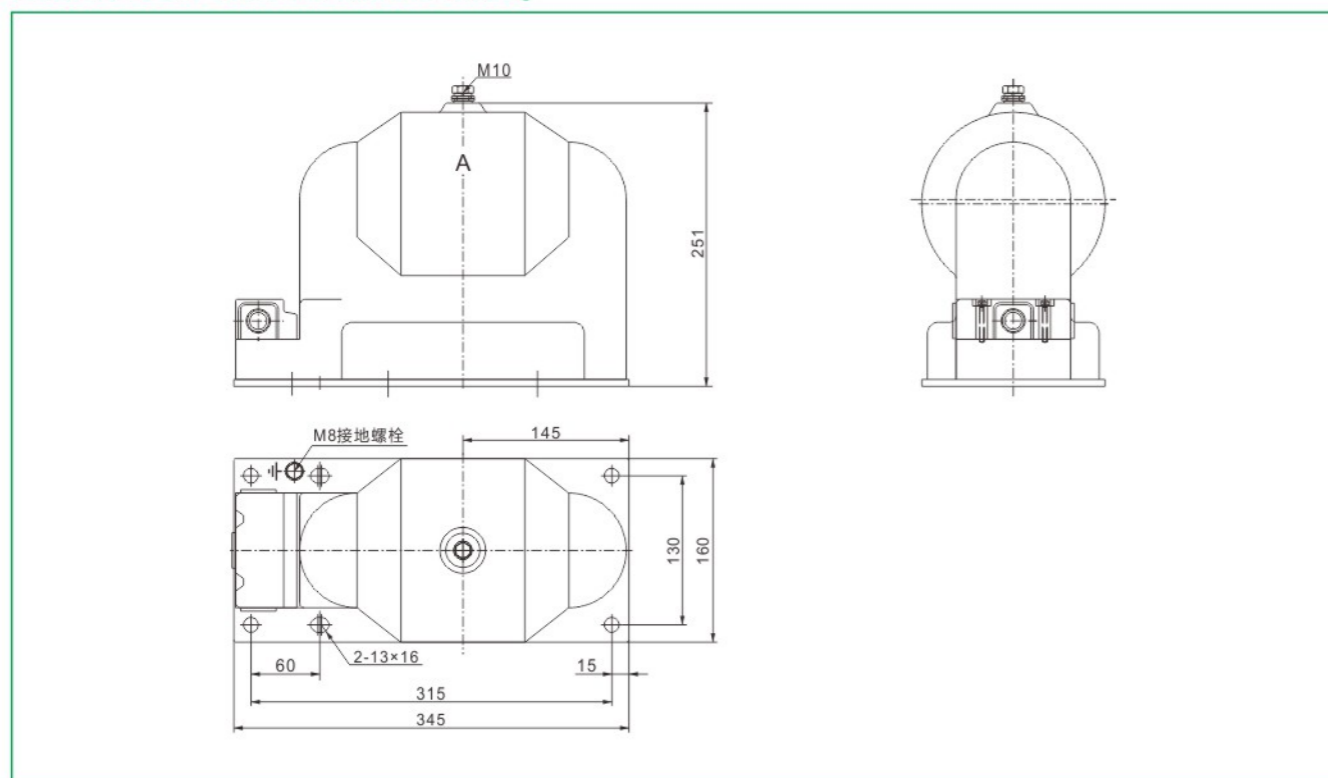


全工况	Full operational mode
额定电压	Rated voltage (kV)
设计序号	Design No.
带剩余电压绕组	Residual voltage winding
浇注绝缘	Casting insulation
单相	Single-phase
电压互感器	Voltage transformer

技术参数 Technical data

额定电压比 Rated voltage ratio (V)	额定二次输出 Rated secondary output(VA)						极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level (kV)	备注 Notes	接线图 Wiring diagram
	0.2	0.5	1级	3级	0.2/0.2 0.2/0.5	0.5/0.5				
$\frac{3000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$								3.6/25/40	等同 "VKI" Same "VKI"	图1 Figure 1
$\frac{6000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$	30	80	180	500	/	/	100	7.2/32/60		
$\frac{10000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$								12/42/75		图2 Figure 2
$\frac{10000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$	/	/	/	/	15/15 15/20	45/45	300/300			

外形及安装尺寸 Overall dimension drawing



JDZ9-3、6、10Q

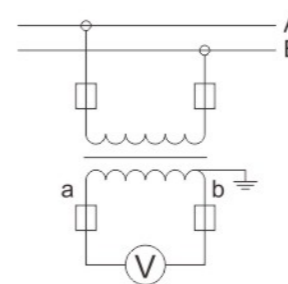


图1 (Figure 1)

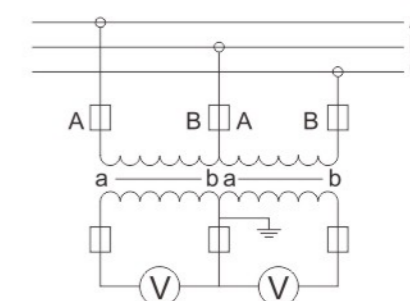


图2 (Figure 2)

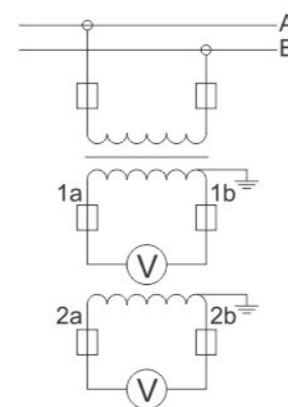


图3 (Figure 3)

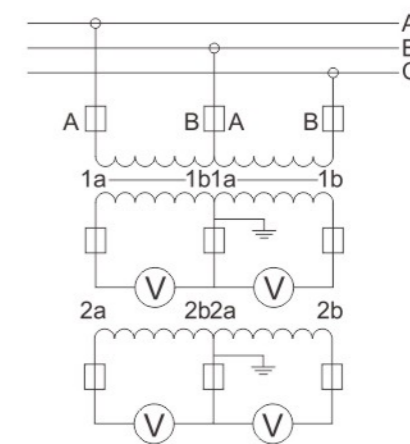


图4 (Figure 4)

JDZX9-3、6、10G

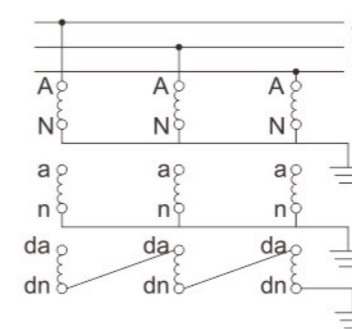


图5 (Figure 5)

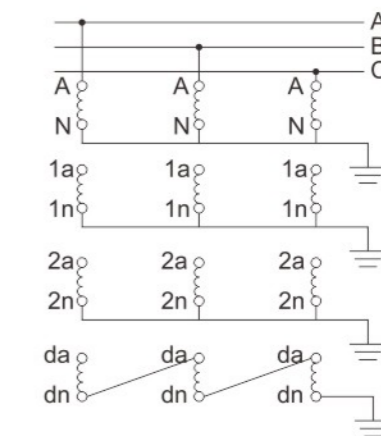


图6 (Figure 6)



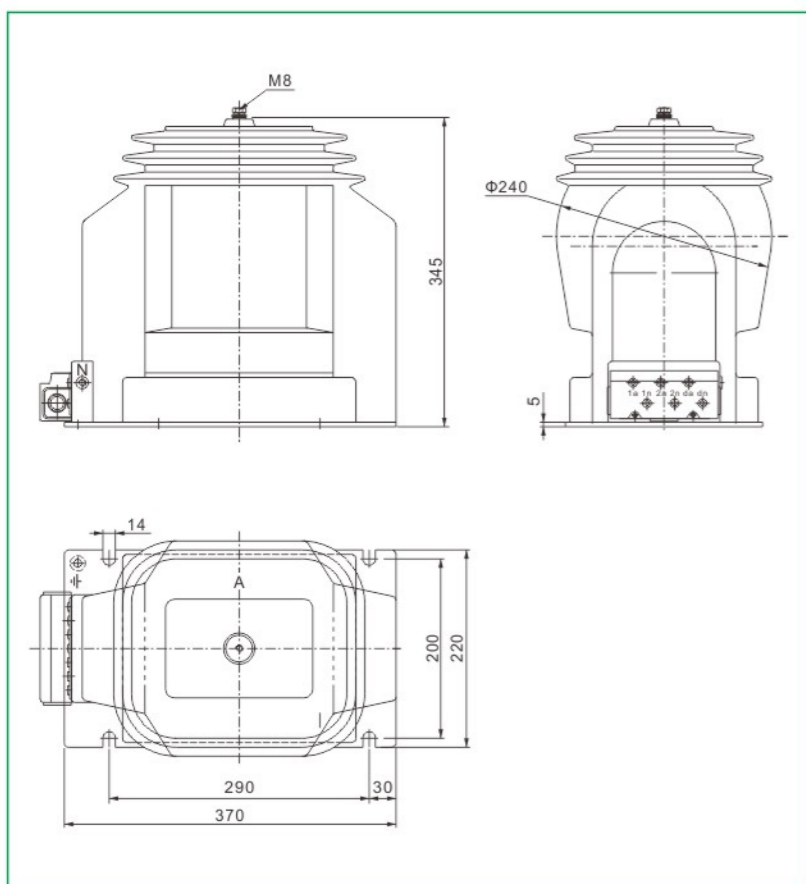
型号含义 Type description



技术参数 Technical data

型号 Type	额定电压比 Rated voltage ratio(V)	额定二次输出 Rated secondary output(VA)						极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level (kV)	接线图 Wiring diagram
		0.2	0.5	1	0.2/0.2	0.2/0.5	0.5/0.5			
JDZX11-15	15/√3 / 0.1/√3 / 0.1/3	30	80	150	/	/	/	400	18/55/105	图1 Figure1
JDZX11-20	20/√3 / 0.1/√3 / 0.1/3								24/65/125	
JDZX11-15	15/√3 / 0.1/√3 / 0.1/√3 / 0.1/3	/	/	/	15/15	20/20	30/30	300/300	18/55/105	图2 Figure2
JDZX11-20	20/√3 / 0.1/√3 / 0.1/√3 / 0.1/3								24/65/125	

外形及安装尺寸 Overall dimension drawing



接线图 Wiring diagram

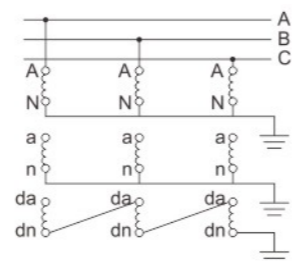


图1 (Figure 1)

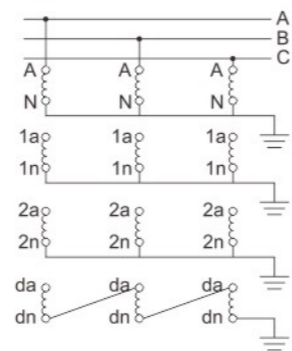


图2 (Figure 2)



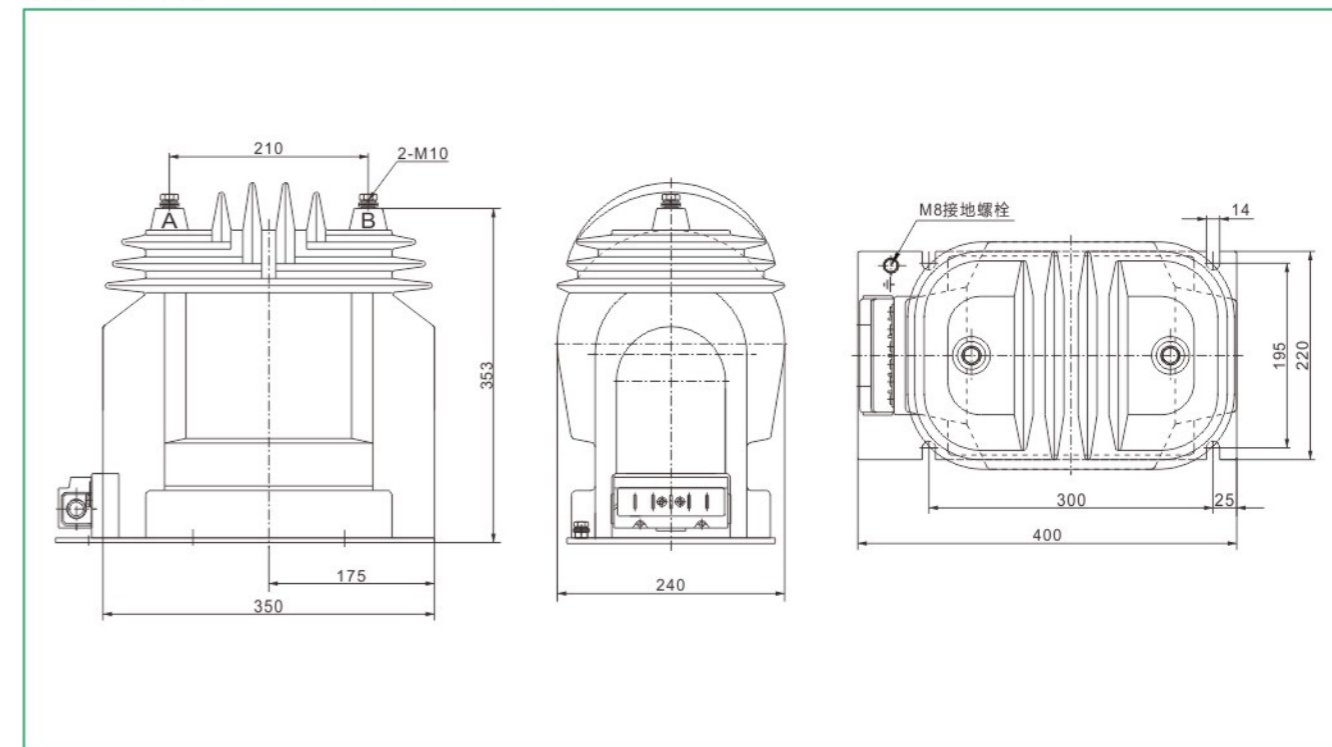
型号含义 Type description



技术参数 Technical data

型号 Type	额定电压比 Rated voltage ratio(V)	额定二次输出 Rated secondary output(VA)						极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level (kV)	接线图 Wiring diagram
		0.2	0.5	1	0.2/0.2	0.2/0.5	0.5/0.5			
JDZ11-15	15/0.1	30	80	200	/	/	/	500	18/55/105	图1-图4 Figure1-4
JDZ11-20	20/0.1								24/65/125	
JDZ11-15	15/0.1/0.1	/	/	/	20/20	20/30	30/30	/	18/55/105	
JDZ11-20	20/0.1/0.1								24/65/125	
JDZX11-15G	15/√3 / 0.1/√3 / 0.1/3	20	60	120	/	/	/	400	18/55/105	图5 Figure-5
JDZX11-20G	20/√3 / 0.1/√3 / 0.1/3								24/65/125	
JDZX11-15G	15/√3 / 0.1/√3 / 0.1/√3 / 0.1/3	/	/	/	15/15	15/20	40/40	300/300	18/55/105	图6 Figure-6
JDZX11-20G	20/√3 / 0.1/√3 / 0.1/√3 / 0.1/3								24/65/125	

外形及安装尺寸 Overall dimension drawing



接线图 Wiring diagram

JDZ11-15、20

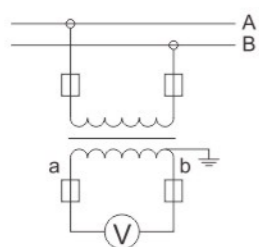


图1 (Figure 1)

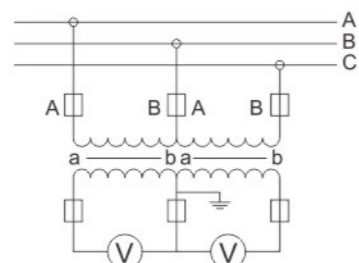


图2 (Figure 2)

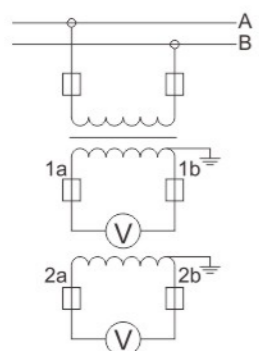


图3 (Figure 3)

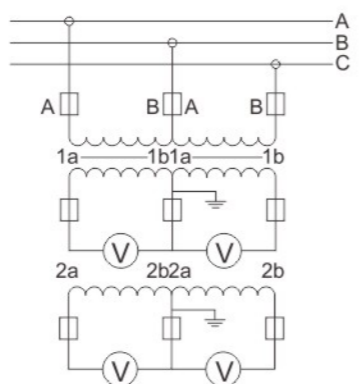


图4 (Figure 4)

JDZX11-15、20G

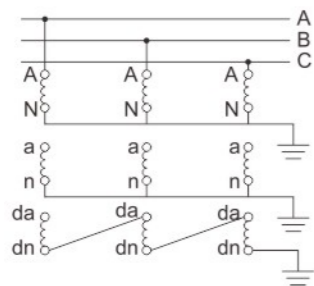


图5 (Figure 5)

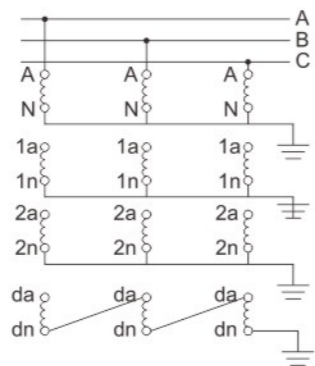


图6 (Figure 6)



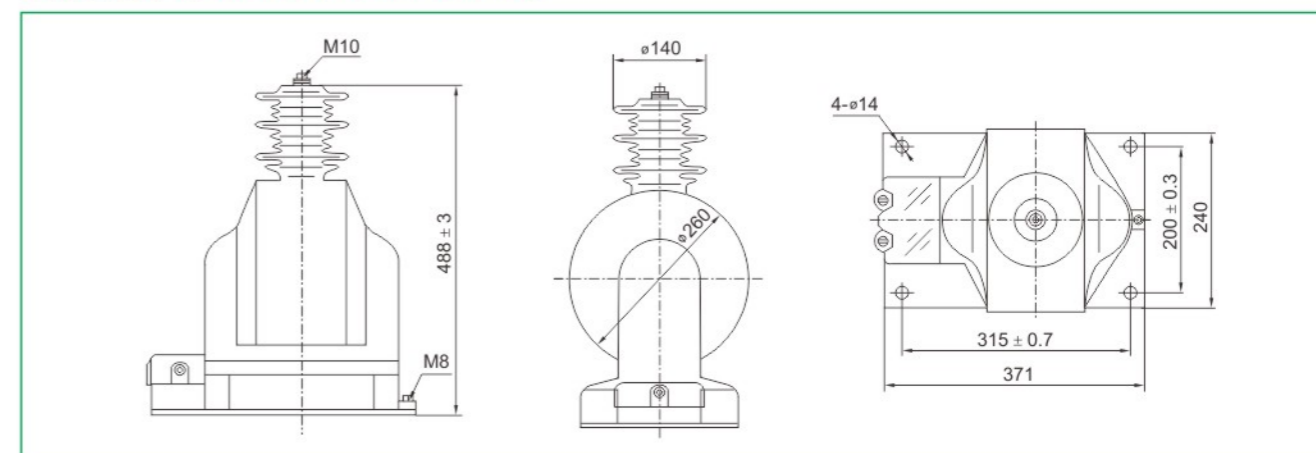
型号含义 Type description



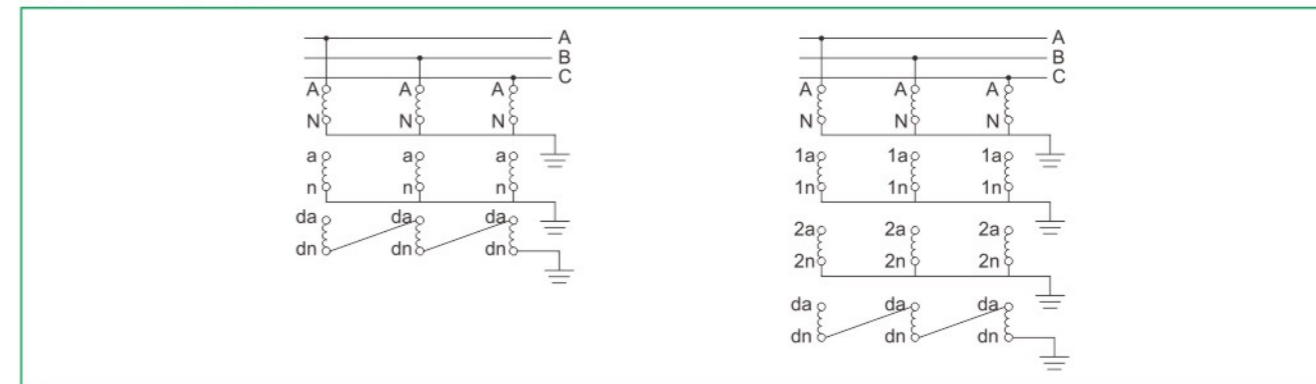
技术参数 Technical data

额定电压比 Rated voltage ratio (V)	额定二次输出 Rated secondary output(VA)			极限输出 Max.output (VA)			额定绝缘水平 Rated insulation level (kV)	备注 Notes	接线图 Wiring diagram
	0.2 0.5 1级	3级	0.2/0.2 0.2/0.5	0.5/0.5	6P(3P)				
$\frac{35000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$	30 90 180 500	/	/	100	600	40.5/95/200	等同 "VK1"	图1 Figure1	
$\frac{35000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{3}$	/ / / /	15/15 15/20	45/45	100	300/300		Same "VK1"	图2 Figure2	

外形及安装尺寸 Overall dimension drawing

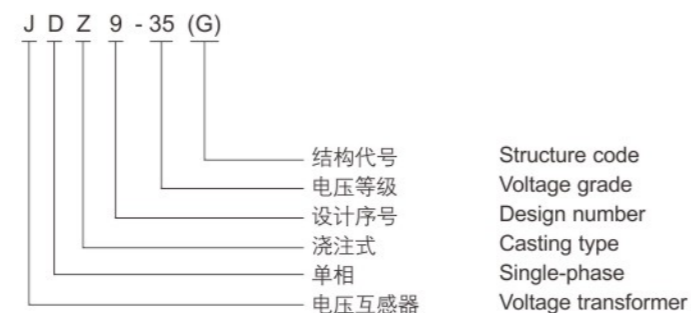


接线图 Wiring diagram





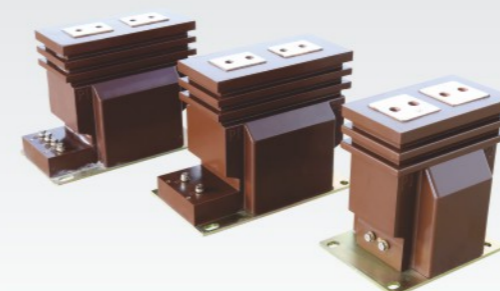
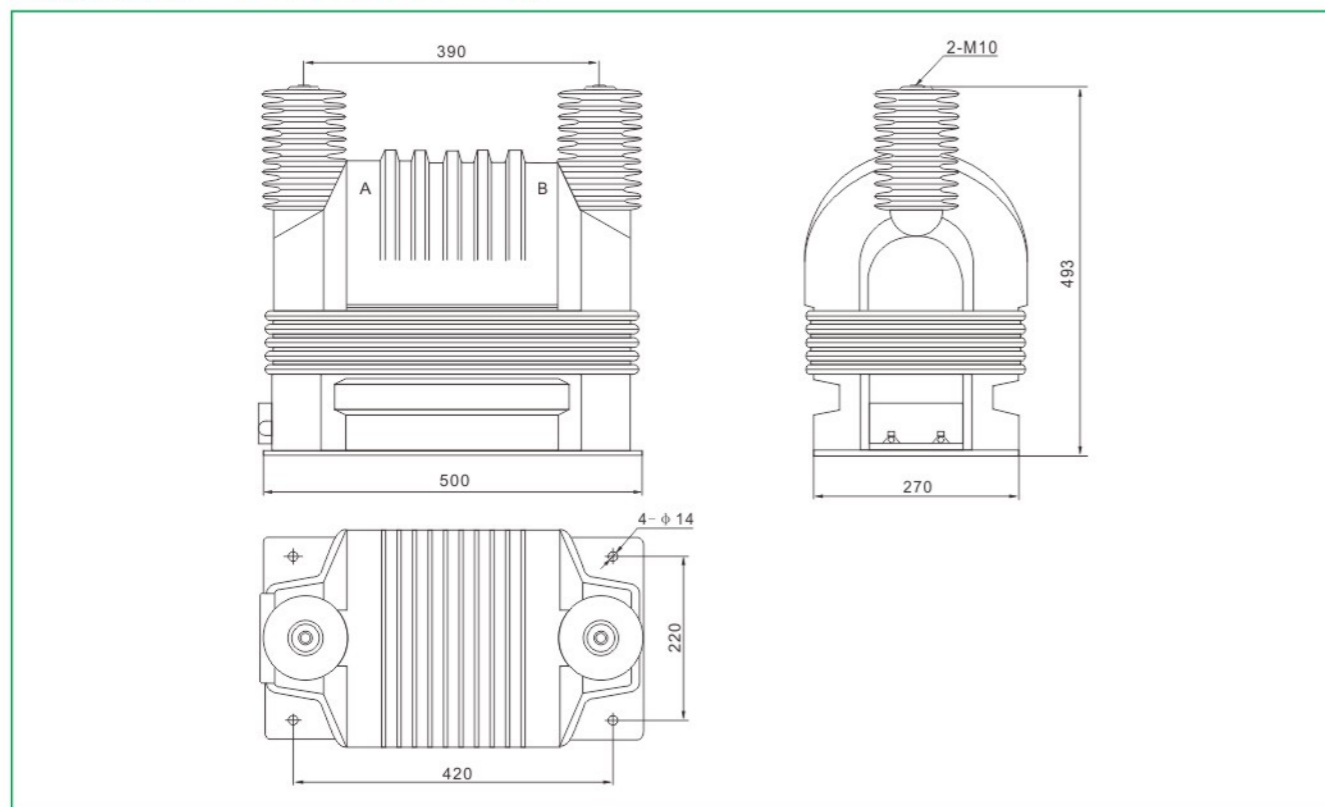
型号含义 Type description



技术参数 Technical data

型号 Type	额定电压比 Rated voltage ratio (kV)	准确级或准确级组合 Accuracy class or accuracy	额定输出 Rated output (VA)	极限输出 Thermal limiting output(VA)	额定绝缘水平 Rated insulation level
JDZ9-27.5	27.5/0.1	0.2	60	800	31.5/80/182
JDZ9-35	35/0.1	0.5	120		40.5/95/200
JDZ9-27.5	27.5/0.1/0.1	0.2/0.2	20/20		31.5/80/185
JDZ9-35	35/0.1/0.1	0.2/0.5 0.5/0.5	20/30 40/40	400	40.5/95/200
JDZ9-27.5G	(27.5/3)/(0.1/3)/0.1/3	0.2/6P(3P) 0.5/6P(3P)	20/100 60/100	400	31.5/80/185
JDZ9-35G	(35/3)/(0.1/3)/0.1/3	0.2/6P(3P) 0.5/6P(3P)	20/100 60/100	400	40.5/95/200

外形及安装尺寸 Overall dimension drawing



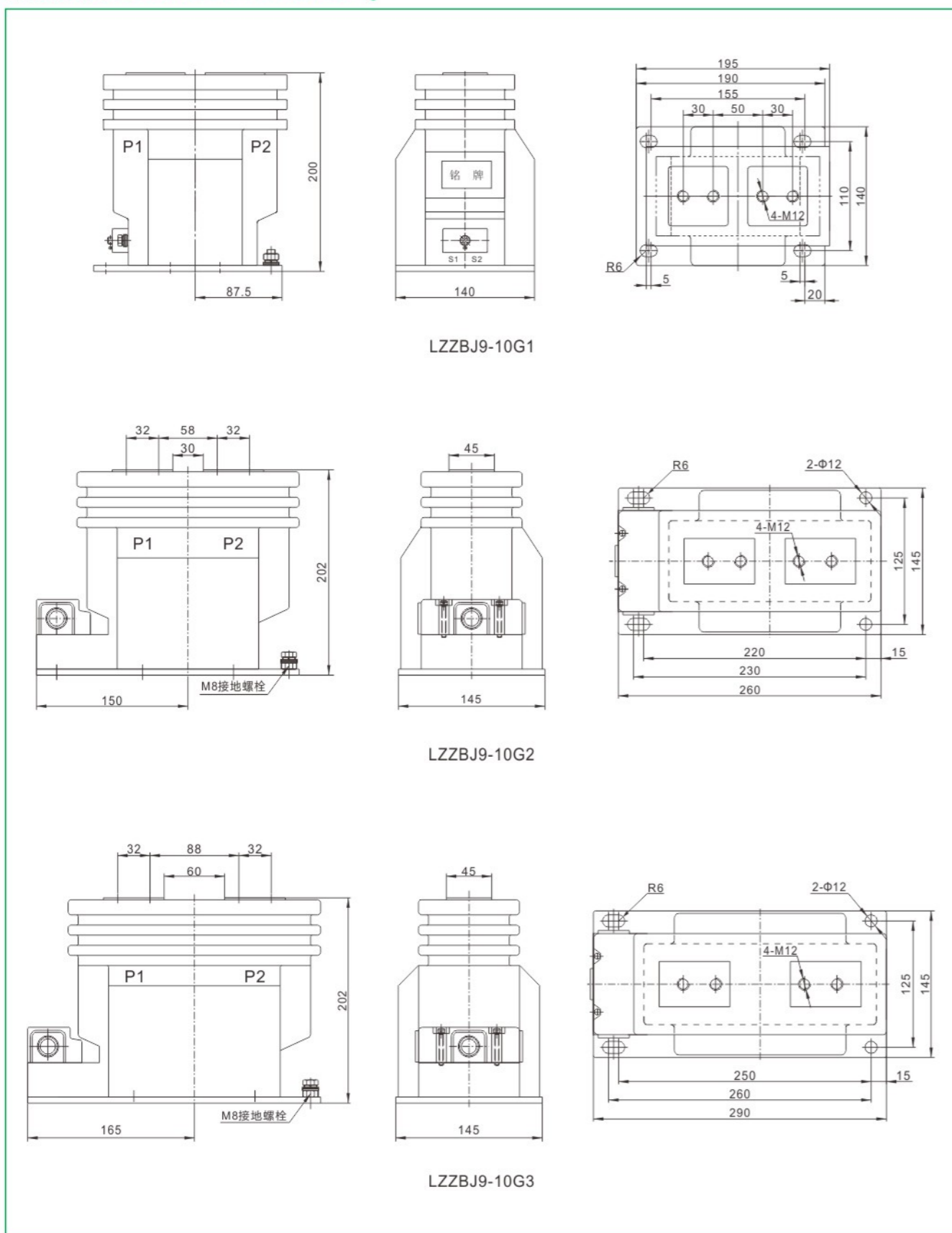
型号含义 Type description



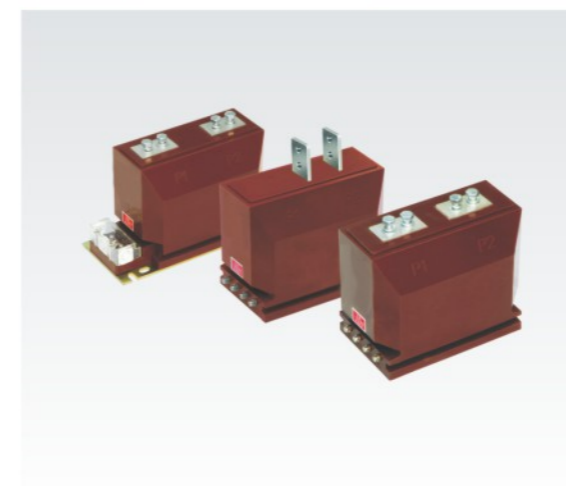
技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)			一秒热稳定电流 1s thermal current(kA)	动稳定电流 Rated dynamic current(kA)
		0.2S(0.2)	0.5S(0.5)	10P10		
5					0.75	1.8
10					1.44	3.6
15					2	5
20					3	7.5
25					4	10
30					5	12.5
40					6.3	15
50					8.1	20
75					16.2	40.5
100					21.6	54
150	0.2S/10P10				36	80
200	0.5S/10P10					
300	0.2/10P10	10	10	15	45	100
400	0.5/10P10					
500						
600					63	130
800						
1000						
1200						
1500						
2000					80	160
2500						
3000						

外形及安装尺寸 Overall dimension drawing



型号含义 Type description



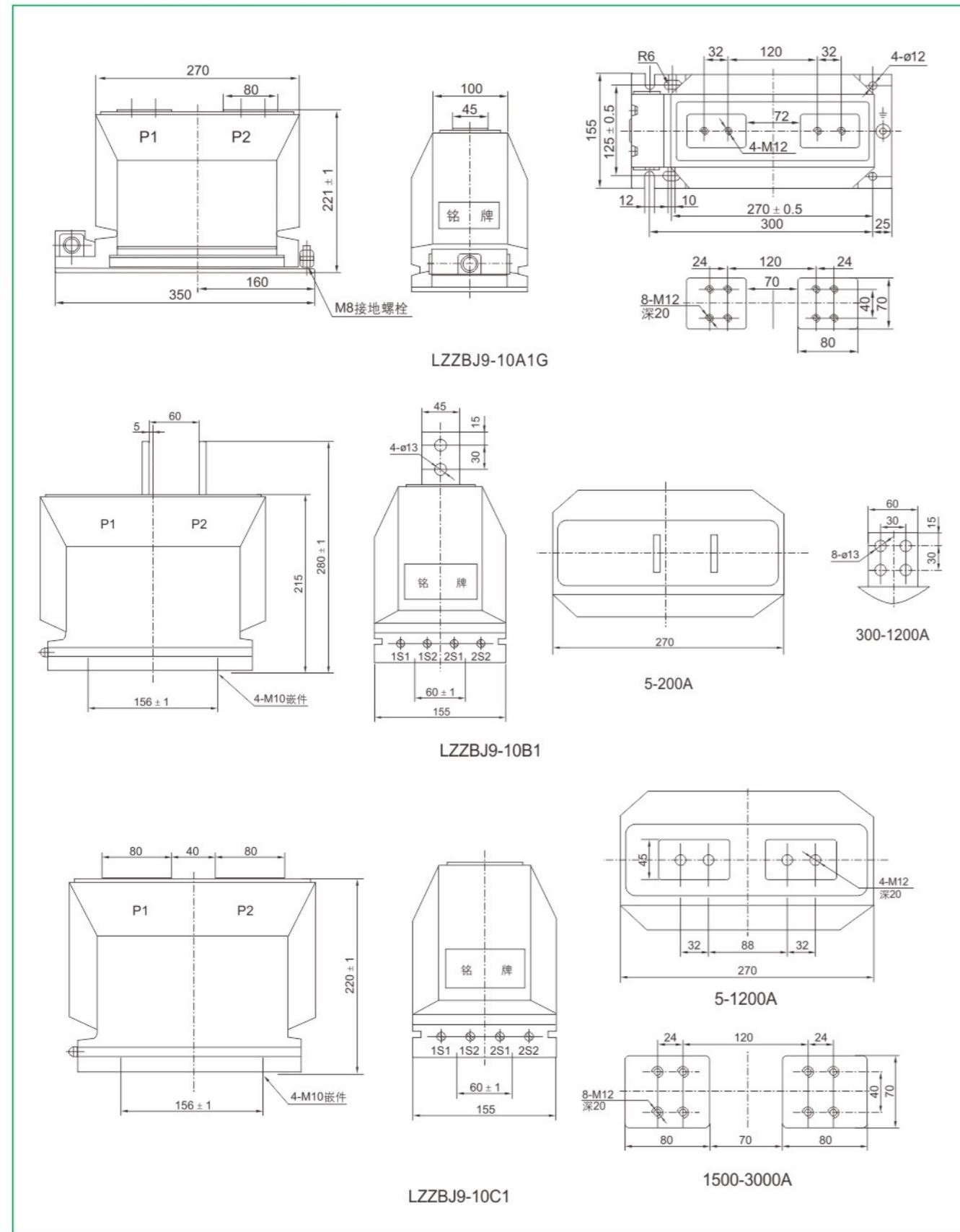
LZZBJ9-10 A1G、B1、C1

- 结构代号 Structure code
- 额定电压 Rated voltage (kV)
- 设计序号 Design No.
- 加强型 Reinforced type
- 带保护级 With protective class
- 浇注绝缘 Casting insulation
- 支柱式 Post type
- 电流互感器 Current transformer

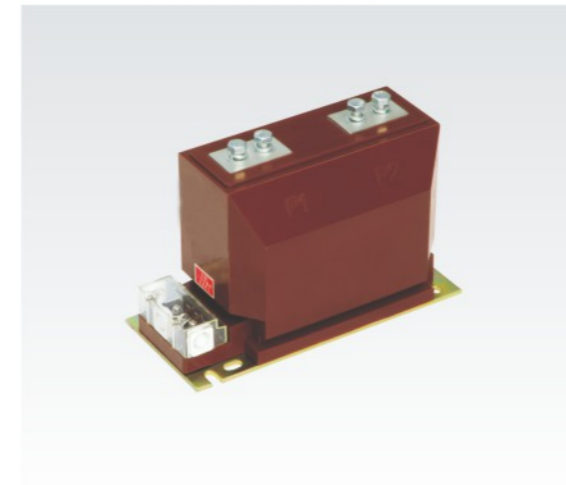
技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)			一秒热稳定电流 1s thermal current(kA)	动稳定电流 Rated dynamic current(kA)
		0.2S(0.2)	0.5S(0.5)	10P10		
5					0.75	1.8
10					1.44	3.6
15					2	5
20					3	7.5
25					4	10
30					5	12.5
40					6.3	15
50					8.1	20
75					16.2	40.5
100					21.6	54
150	0.2S/10P10				36	80
200	0.5S/10P10	10	10	15		
300	0.2/10P10				45	100
400	0.5/10P10					
500						
600						
800					63	130
1000						
1200						
1500						
2000					80	160
2500						
3000						

外形及安装尺寸 Overall dimension drawing



型号含义 Type description



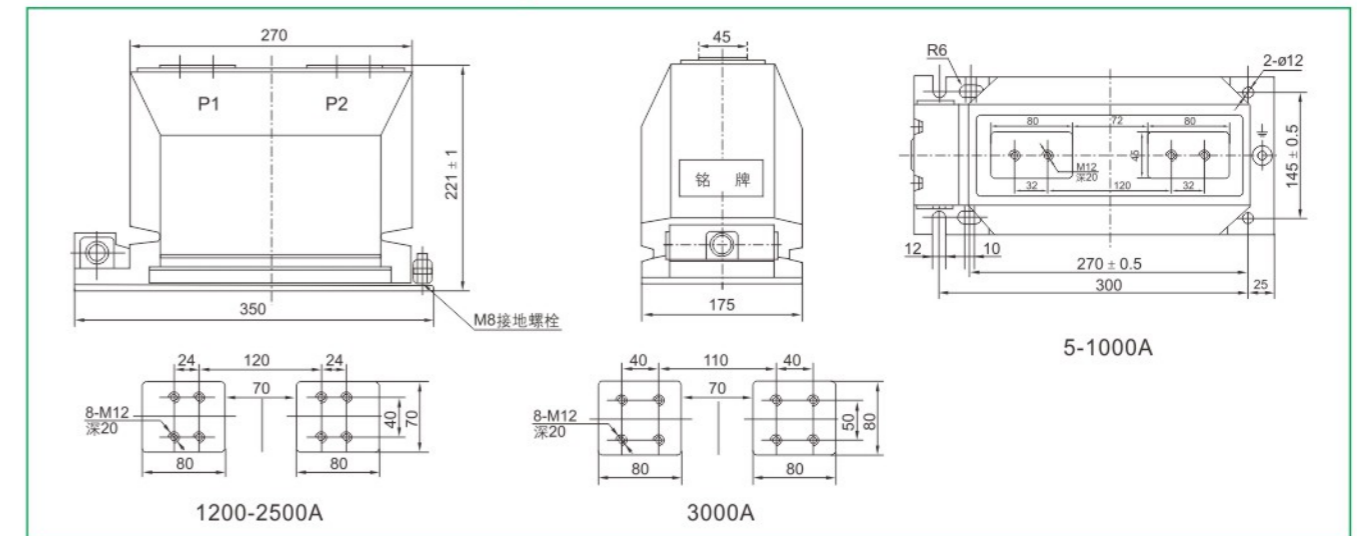
LZZBJ9-10A2G

结构代号	Structure code
额定电压	Rated voltage (kV)
设计序号	Design No.
加强型	Reinforced type
带保护级	With protective class
浇注绝缘	Casting insulation
支柱式	Post type
电流互感器	Current transformer

技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)			一秒热稳定电流 1s thermal current(kA)	动稳定电流 Rated dynamic current(kA)
		0.2S(0.2)	0.5S(0.5)	10P15		
10	0.2S/10P15	10	15	15	1.5	3.75
15					2.8	7
20					3	7.5
25					4	10
30					5.4	13.5
40					6.3	15.8
50					8.1	20
75					12.5	31.5
100					25	63
150					37.5	95
200	0.5S/10P15	15	20	80	100	100
300					63	100
400					80	110
500					100	130
600					100	130
800	0.2/10P15	15	20	100	130	130
1000					130	130
1200					130	130
1500					130	130
2000					130	130
2500					130	130
3000	130	130	130			

外形及安装尺寸 Overall dimension drawing







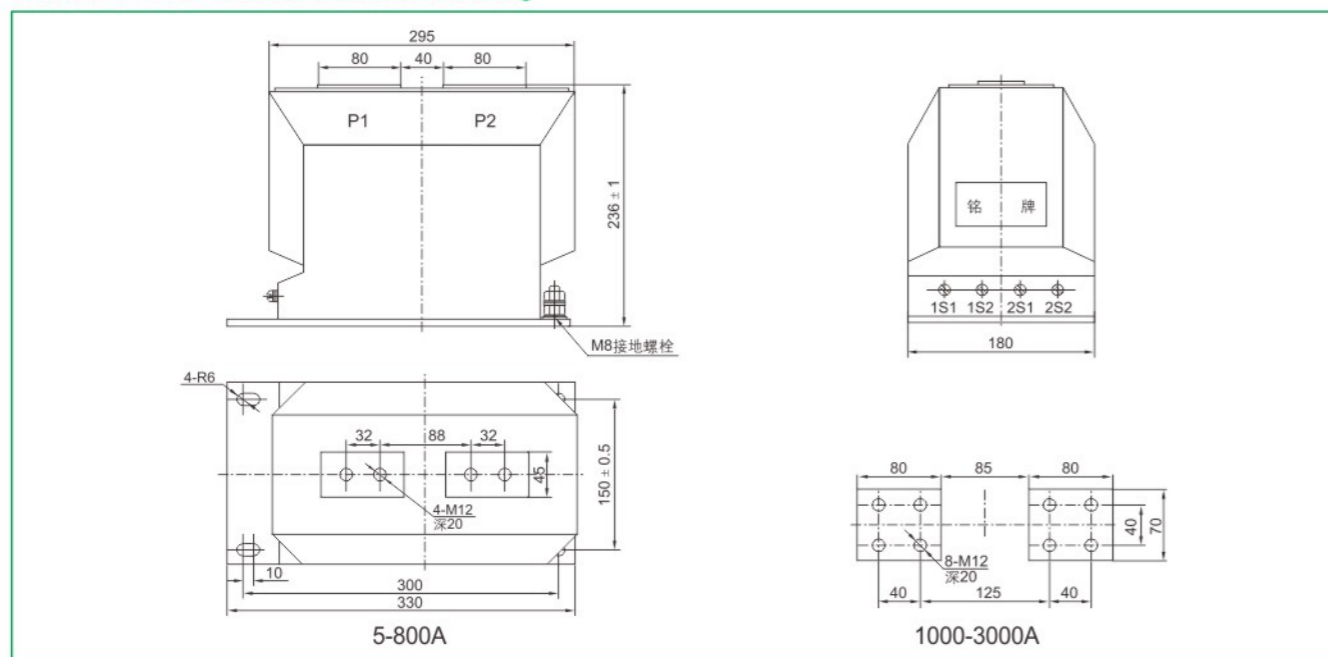
型号含义 Type description



技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)					一秒热稳定电流 1s thermal current (kA)	动稳定电流 Rated dynamic current(kA)	备注 Notes
		0.2S 0.5S	0.2	0.5	10P10	10P15			
5-150	0.2S/10P15	10	10	15	15	20	150lin	375lin	两绕组 Two windings
200	0.5S/10P15						36	80	
300-800	0.2/10P15						45	100	
1000-1500	0.5/10P15						63	130	
2000-3150	10P10/10P10						80	160	
5-150	0.2S/0.2/10P15						10	15	
200	0.2S/0.5/10P15	36	80						
300-800	0.2/0.5/10P15	45	100						
1000-1500	0.5/0.5/10P15	63	130						
2000-3150	0.5/0.5/10P15	80	160						

外形及安装尺寸 Overall dimension drawing



型号含义 Type description

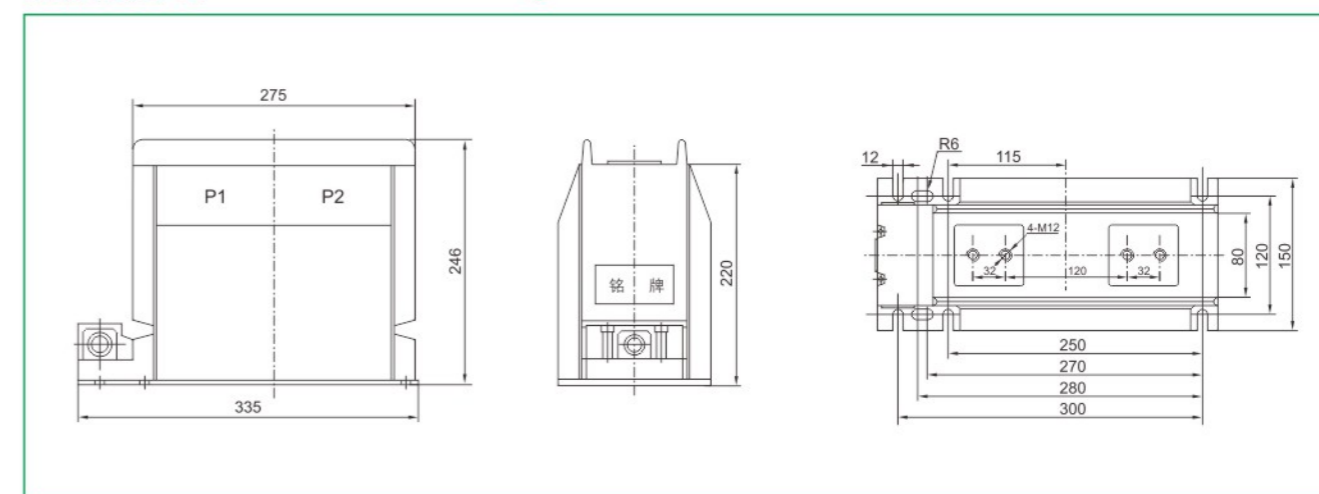


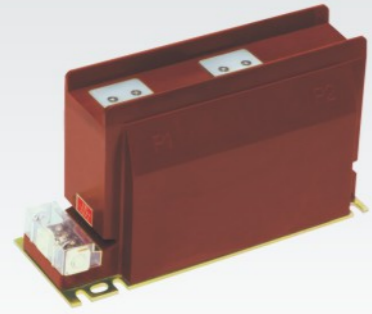
技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)			一秒热稳定电流 1s thermal current(kA)	动稳定电流 Rated dynamic current(kA)
		0.2S	0.2(0.5)	10P		
5	0.2S/10P10	10	10	15*, 20	0.5	1.25
10					1	2.5
15					1.5	3.75
20					3	7.5
25					3.75	9.3
30					4.5	11.2
40	0.2S/10P15	10	15*, 20	6	15	
50	7.5			18.7		
75	10			25		
100	15			37.5		
150	22.5			56		
200	31.5			80		
300	0.5/10P10	10*	15	45	112.5	
400	63			130		
500	80			110		
600	100			160		
800	15*			30		
1000	100			160		

注：表中带\*数据为常规产品时的参数。  
Note: In the table, the data marked with\* are the parameters of general products.

外形及安装尺寸 Overall dimension drawing





型号含义 Type description

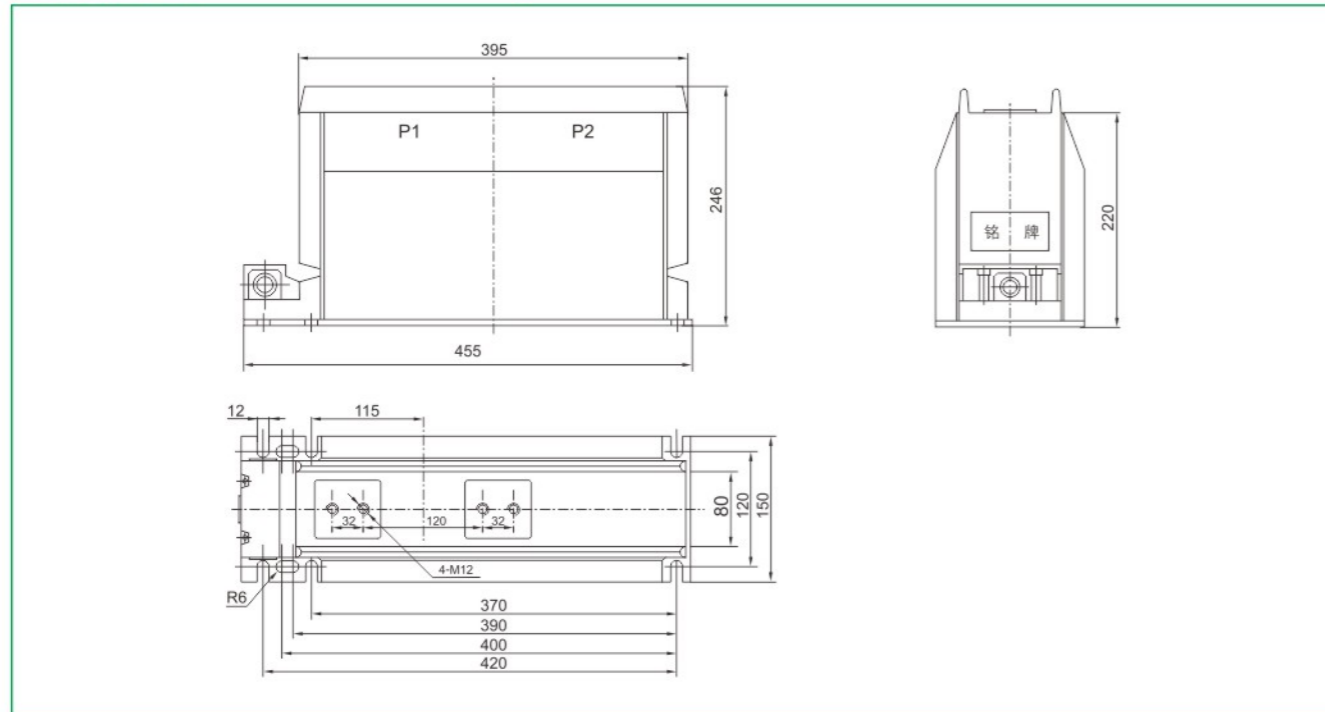


技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)					一秒热稳定电流 1s thermal current (kA)	动稳定电流 Rated dynamic current(kA)
		0.2S	0.2	0.5	(5)10P10	(5)10P15		
20-100			10	10	10*	30	150lin	375lin
150、200	0.2(S)/10P 0.5/10P				15*	20	31.5	80
300、400	0.2(S)/0.2/5P 0.2(S)/0.5/5P	10					45	112.5
500	0.2(S)/0.5/5P20		10	15	15*	30	63	130
600-800	0.2(S)/5P10/10P15 0.5/5P10/10P20				20		80	160
1000-1250			15	20				

注：表中带\*数据为级次组合0.2/5P10/10P15和0.5/5P10/10P20时的参数。  
The data marked with\*in the table are parameters for class combination 0.2/5P10/10P15 and 0.5/5P10/10P20.

外形及安装尺寸 Overall dimension drawing



型号含义 Type description

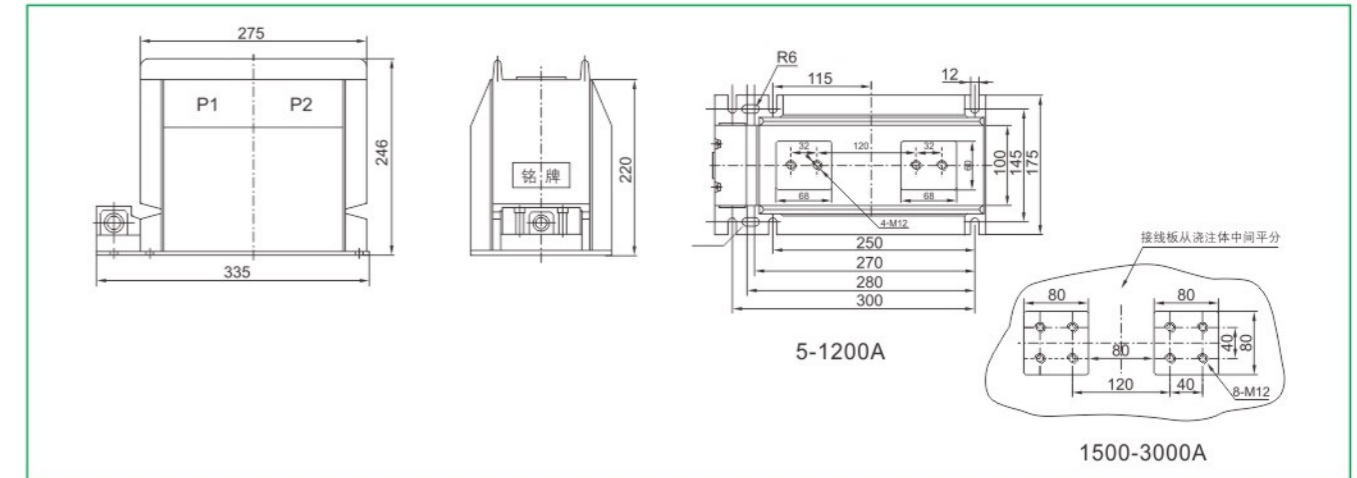


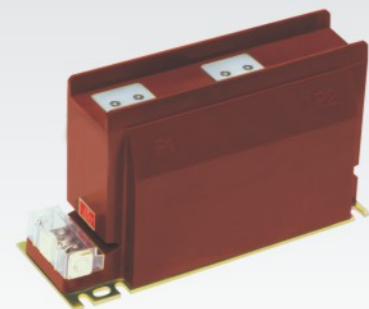
技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)					一秒热稳定电流 1s thermal current(kA)	动稳定电流 Rated dynamic current(kA)
		0.2S	0.2	0.5	10P10	10P15		
5							0.5	1.25
10							1	2.5
15							1.5	3.75
20							3	7.5
25							3.75	9.3
30							4.5	11.2
40				15*	20		6	15
50	0.2(S)/10P10						7.5	18.7
75							10	25
100	0.2(S)/10P15	10	10			20	21	52.5
150	0.5/10P10						31.5	80
200								
300	0.5/10P15						45	112.5
400								
500				20			63	130
600								
800					30		80	160
1000			15	30				
1200								
1500-3000			30	60		30	100	160

注：表中带\*数据为0.5级/10P15时的参数。  
The data marked with\*in the table are parameters for class combination 0.5 and 10P15.

外形及安装尺寸 Overall dimension drawing





型号含义 Type description

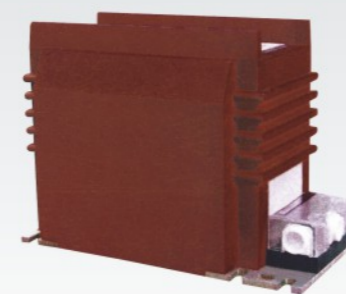
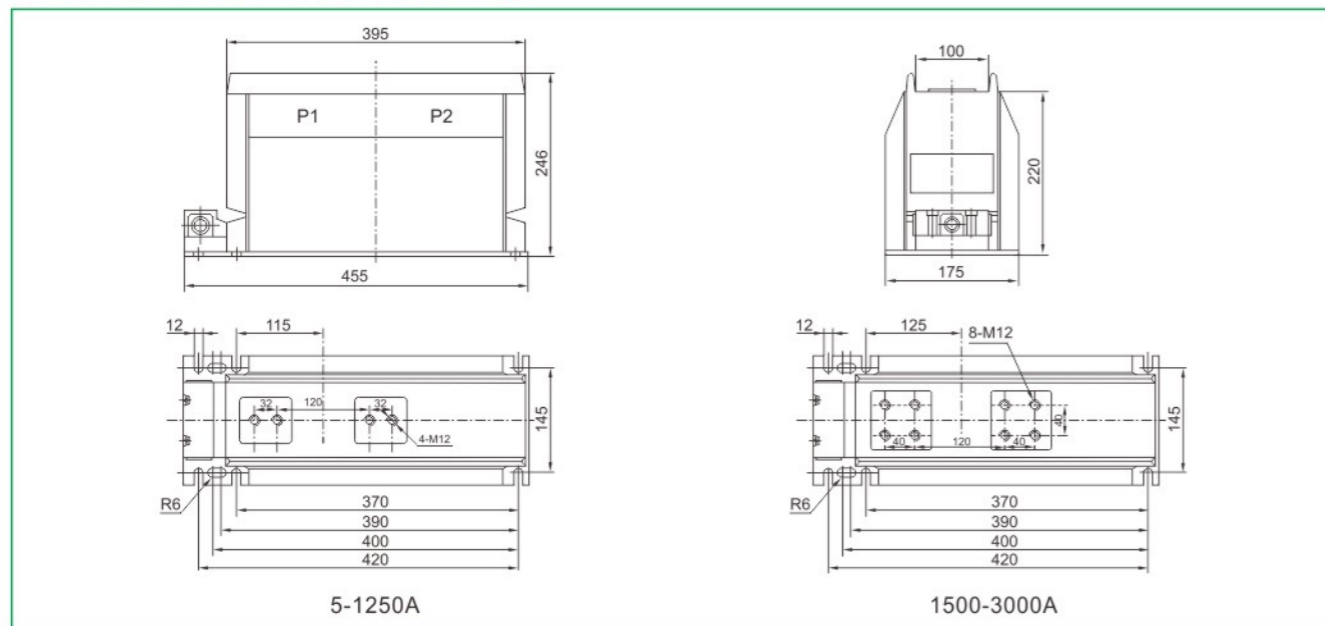


技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)						一秒热稳定电流 1s thermal current (kA)	动稳定电流 Rated dynamic current(kA)
		0.2S	0.2	0.5	(5)10P10	(5)10P15	(5)10P20		
20-100			10	10	30*, 10	20*, 15	15*, 10	150lin	375lin
150、200	0.2(S)/10P							31.5	80
300、400	0.5/10P							45	112.5
500	0.2(S)/0.2/5P	10	10	15	15*, 30	20	15*, 20	63	130
600-800	0.2(S)/0.5/5P								
1000-1250	0.2(S)/0.5/5P20								
1500、2000	0.2(S)/5P10/10P15								
2500	0.5/5P10/10P20								
3000		20	40		30*, 40	30*, 40	30*, 40	100	160

注：表中带\*数据为级次组合0.2/5P10/10P15和0.5/5P10/10P20时的参数。  
Note: The data marked with\* in the table are parameters for class combination 0.2/5P10/10P15 and 0.5/5P10/10P20.

外形及安装尺寸 Overall dimension drawing



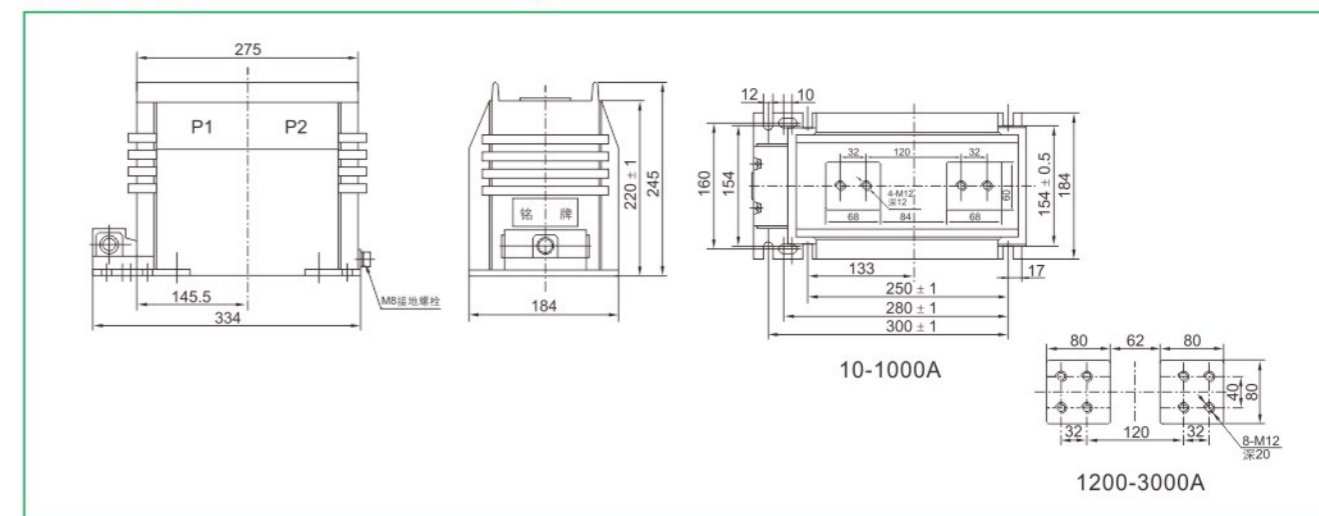
型号含义 Type description



技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)						一秒热稳定电流 1s thermal current (kA)	动稳定电流 Rated dynamic current(kA)	备注 Notes
		0.2S	0.5S	0.2	0.5	(5)10P10	(5)10P15			
10-40							200lin	500lin		
50-100	0.2S/10P			10	15	20	250lin	625lin	两绕组 Two windings	
150-300	0.5S/10P	10								
400、500	0.2/10P									
600-1000	0.5/10P									
1200-1600										
2000-3000										
10							1.44	3.6	三绕组 Three windings	
20							2	5		
30							3	7.5		
40							5	12.5		
50	0.2S/0.5/5P					20	5.4	13.5		
75	0.2S/0.5/10P					15	8.1	20.2		
100	0.2/0.5/5P	10	10	15						
150	0.2/0.5/10P									
200										
300										
400、500										
600-1000					15	15	63	150		
1200-1600							80	160		
2000-3000					20	15	100	250		
							140	350		

外形及安装尺寸 Overall dimension drawing





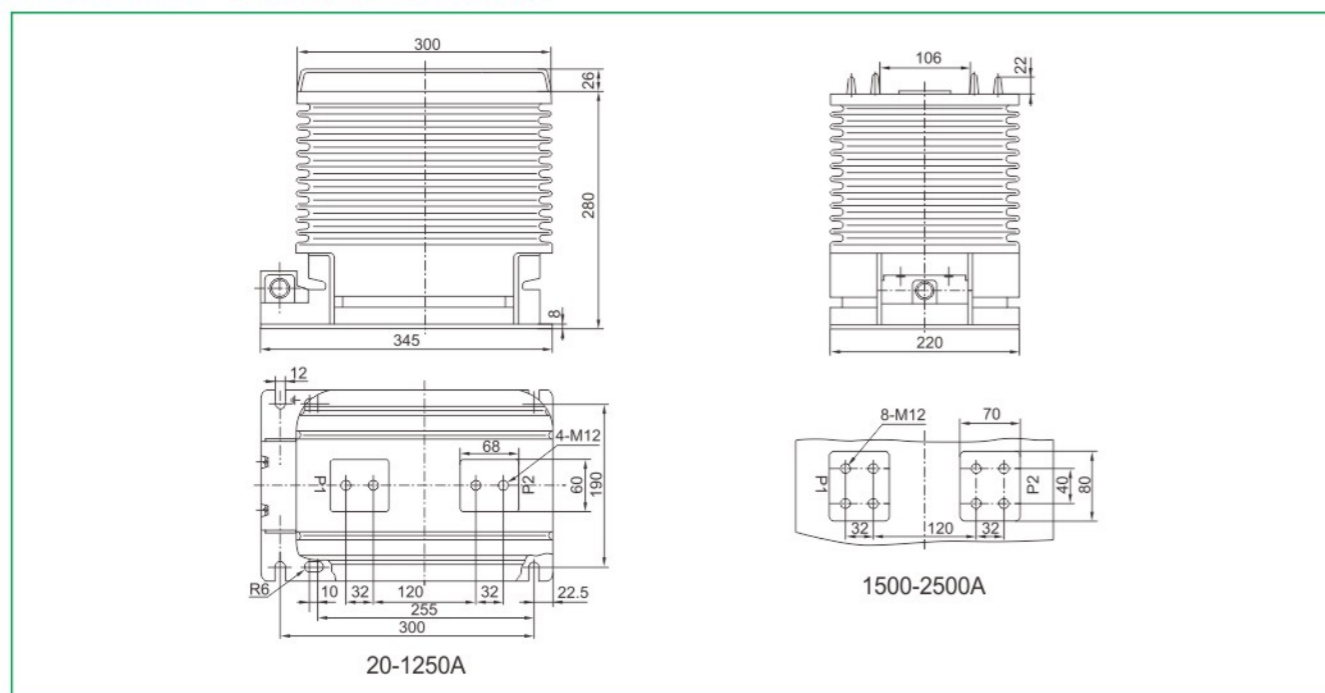
型号含义 Type description



技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)				一秒热稳定电流 1s thermal current (kA)	动稳定电流 Rated dynamic current (kA)
		0.2(S)	0.5(S)	10P10	10P15		
20-150						150lin	375lin
200	0.2(S)/0.2	10	10	20	15	31.5	80
300-500	0.2(S)/0.5					45	112.5
600、800	0.5(S)/10P10	10	15	30	20	63	130
1000、1200	0.2(S)/10P15					80	160
1500-2500	0.5(S)/10P15	20	30	30	20	100	160

外形及安装尺寸 Overall dimension drawing



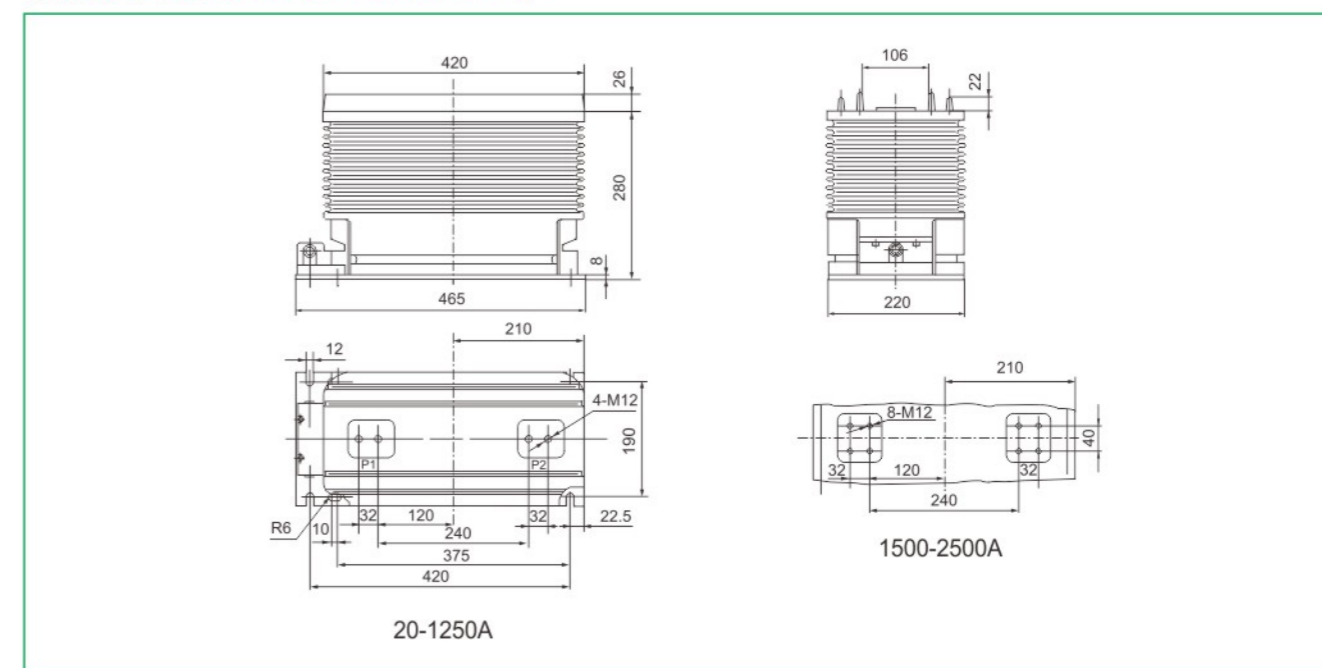
型号含义 Type description



技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)				一秒热稳定电流 1s thermal current(kA)	动稳定电流 Rated dynamic current(kA)
		0.2(S)	0.5(S)	10P10	10P15		
20-150						150lin	375lin
200	0.2(S)/10P10/10P10 0.5(S)/10P10/10P10	10	10	20	15	31.5	80
300-500						45	112.5
600、800	0.2(S)/10P15/10P15 0.5(S)/10P15/10P15	10	15	30	20	63	130
1000、1200	80					160	
1500-2500		20	30	30	20	100	160

外形及安装尺寸 Overall dimension drawing





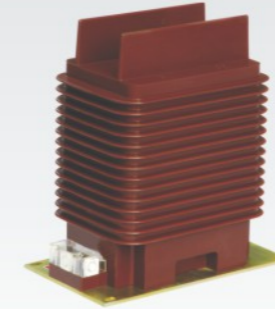
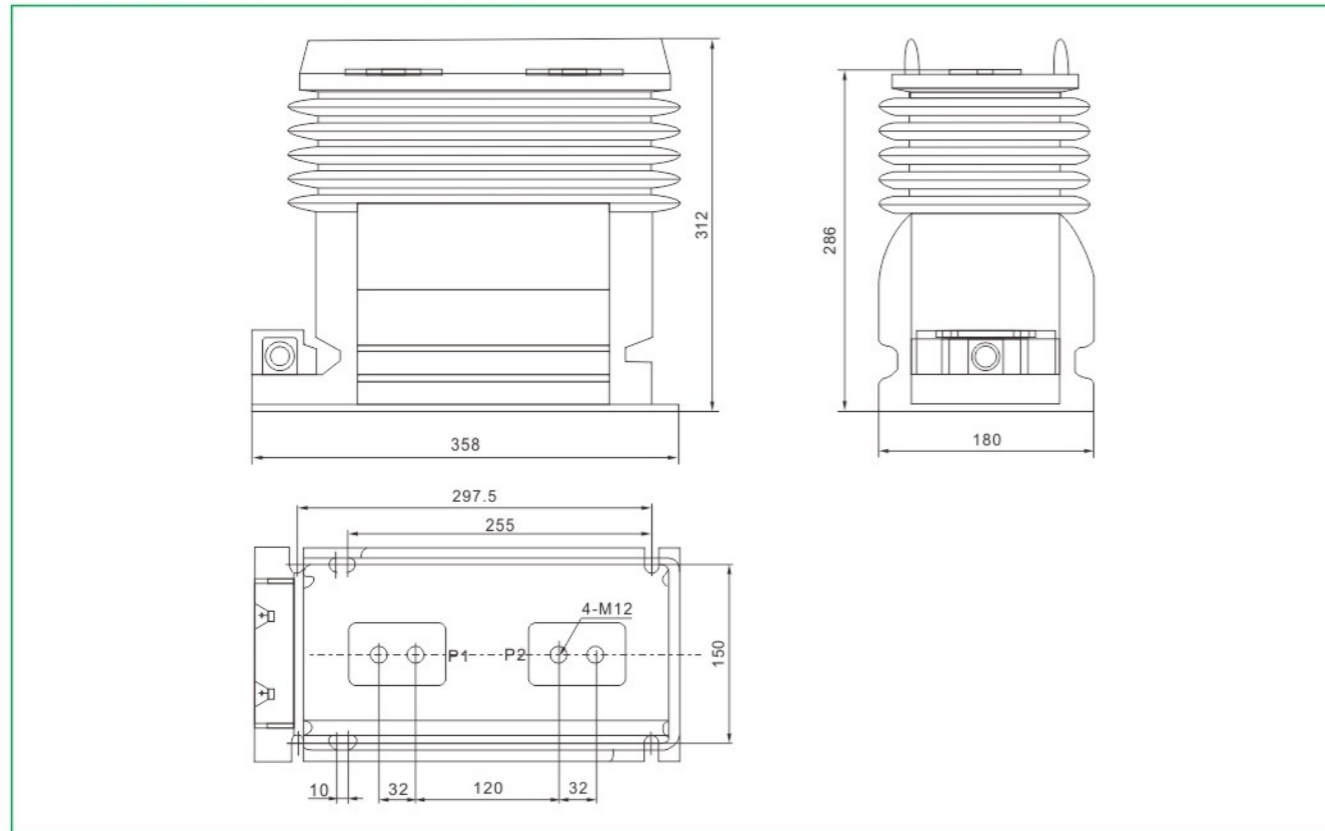
型号含义 Type description



技术参数 Technical data

型号 Model	额定一次电流 Rated primary current(A)	准确级组合 Accuracy class combination	额定输出 Rated output	一、秒短时热电流 Short-time thermal current	
				1s	5s
LZZBJ9-24/180b/2	20~150	0.2(S)/0.5	10/10	150I <sub>n</sub>	375I <sub>n</sub>
	200	0.2(S)/10P10	10/15	31.5	80
	300~500	0.5/10P15	10/10	45	112.5
	600~800	0.2(S)/0.5	15/20	63	130
	1000~1250	0.2/10P10	10/20	80	160

外形及安装尺寸 Overall dimension drawing



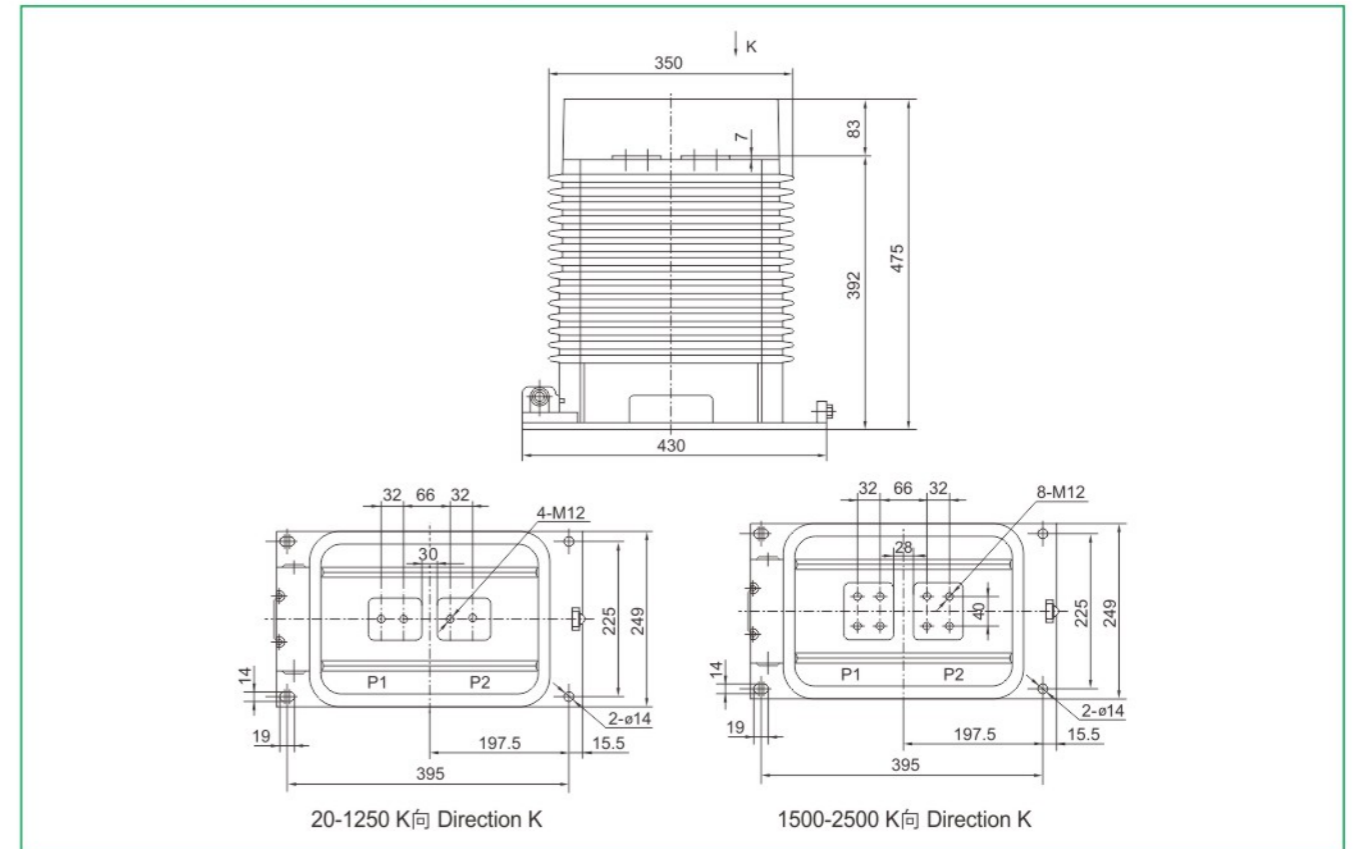
型号含义 Type description

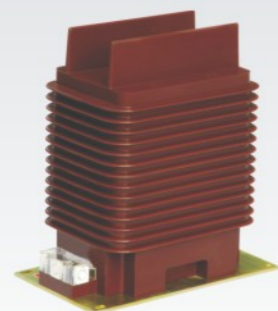


技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)			一、秒短时热电流 Short-time thermal current(kA/S)	额定动稳定电流 Rated dynamic current (kA)
		0.2	0.5	5P20		
20-100	0.2/0.2				200I <sub>n</sub>	500I <sub>n</sub>
150-200	0.2/0.5	10	15	15	31.5	80
300-500	0.5/0.5				31.5/2	
600-1250	0.2/5P20	15	30	20	31.5/4	
1500-2000	0.5/5P20	20	40	30	40/4	125
2500		20	40	20		

外形及安装尺寸 Overall dimension drawing





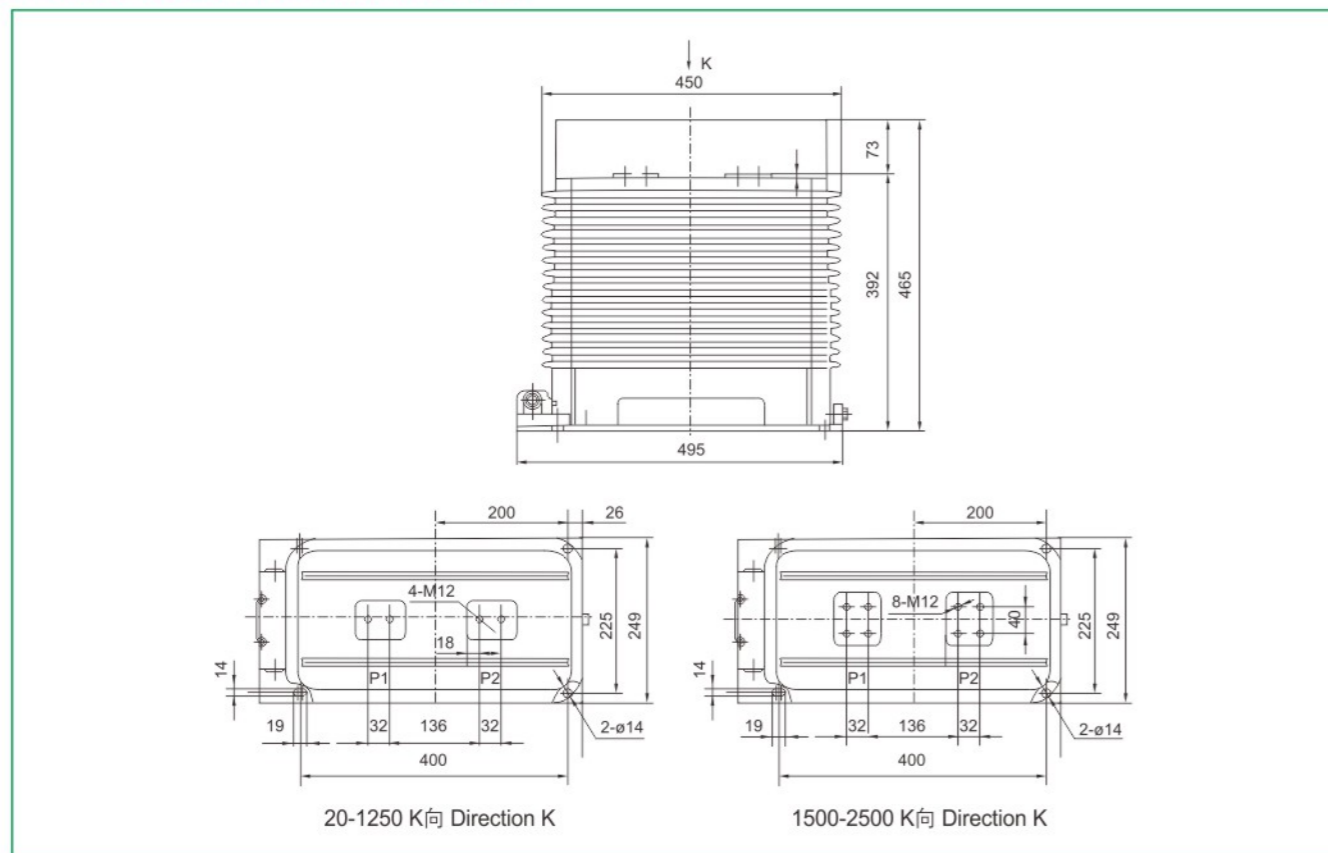
型号含义 Type description



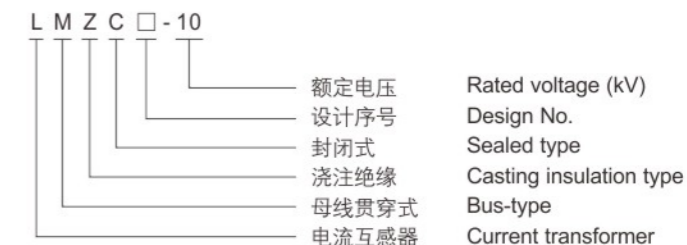
技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)				一秒短时热电流 Short-time thermal current(kA/S)	额定动稳定电流 Rated dynamic current (kA)
		0.2(S)	0.5(S)	5P15	5P20		
20-100						200I <sub>n</sub>	500I <sub>n</sub>
150-200	0.5(S)/5P	10	15	15	15	31.5	
300-500	15/5P20					31.5/2	80
600-1250	0.5(S)/5P	15	30	15	20	31.5/4	
1500-2000	15/5P20	20	40	20	30		
2500		20	40	20	20	40/4	125

外形及安装尺寸 Overall dimension drawing



型号含义 Type description



概述 Summary

LMZC高精度穿心电流互感器适用于交流电力系统10kV~35kV供用电设备的电流测量、电能计量、信号采样和微机保护。该电流互感器具有体积小、重量轻、安装方便等特点，已在SafeRing/Plus、Uniswitch、RM6/SM6、SVS、GA/GE、FB、SS、FTR等系列紧凑型全绝缘环网开关柜，组合式变电站和电缆分接箱中广泛应用。并且非常适合与RTU,FTU等远程终端设备组成采样单元为整个系统提供精确数据支持。

该型电流互感器选用新型导磁材料作为测量绕组的铁芯，其高磁导率、较低的饱和磁感应强度和优良的稳定性，保证了较高的测量准确度和较低的仪表保安系数，优质进口硅钢片经先进工艺加工后作为保护绕组的铁芯，保证了较高的准确限值系数。

环型铁芯和二次绕组采用优质环氧树脂真空浇注在可燃的塑料壳体内，防潮湿，性能稳定，无需维护。该型电流互感器体积小、重量轻，占用空间小，固定在环网开关柜的电缆室内，安装时只需将电缆从内孔穿过，简便快捷，和谐美观。

LMZC high-precision through-core current transformer is suitable for current measurement, electric energy measurement, signal sampling and microcomputer protection of 10kV~35kV power supply equipment in AC power system. With the characteristics of small size, light weight and convenient installation, the current transformer has been widely used in series of compact fully insulated ring switch cabinets, combined substations and cable tap boxes such as SafeRing/Plus, Uniswitch, RM6/SM6, SVS, GA/GE, FB, SS and FTR. And it is very suitable to form a sampling unit with RTU,FTU and other remote terminal devices to provide accurate data support for the whole system.

This type of current transformer selects a new type of magnetic permeability material as the core of the measuring winding, which has high magnetic permeability, low saturation magnetic induction and excellent stability, ensuring high measurement accuracy and low instrument safety factor. High quality imported silicon steel sheets are processed by advanced technology as the core of the protection winding, ensuring high accuracy limit coefficient.

Ring core and secondary winding are vacuum cast in flame retardant plastic shell with high quality epoxy resin, which is moisture proof, stable in performance and free of maintenance. This type of current transformer is small in size and light in weight. It occupies a small space and is fixed in the cable room of the ring switch cabinet. During installation, only the cable needs to pass through the inner hole, which is simple, fast, harmonious and beautiful.

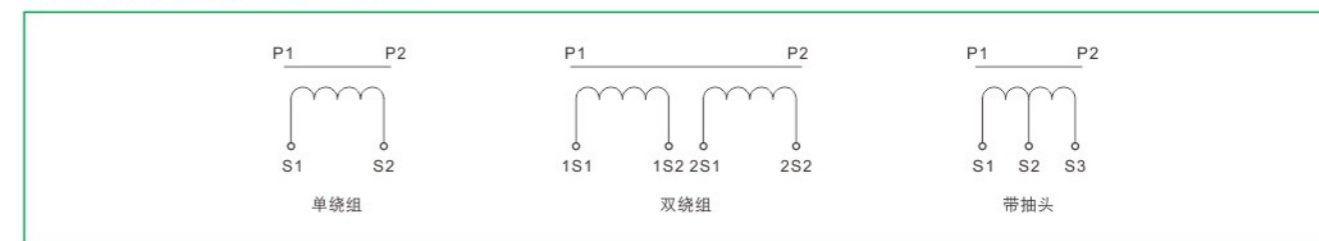
使用条件 Conditions of use

- 1、环境温度：-35℃~+55℃
- 2、日平均温度：≤40℃
- 3、海拔高度：≤3000m
1. Ambient temperature: -35℃~+55℃;
2. Daily mean temperature: ≤40℃;
3. Altitude: ≤3000m.

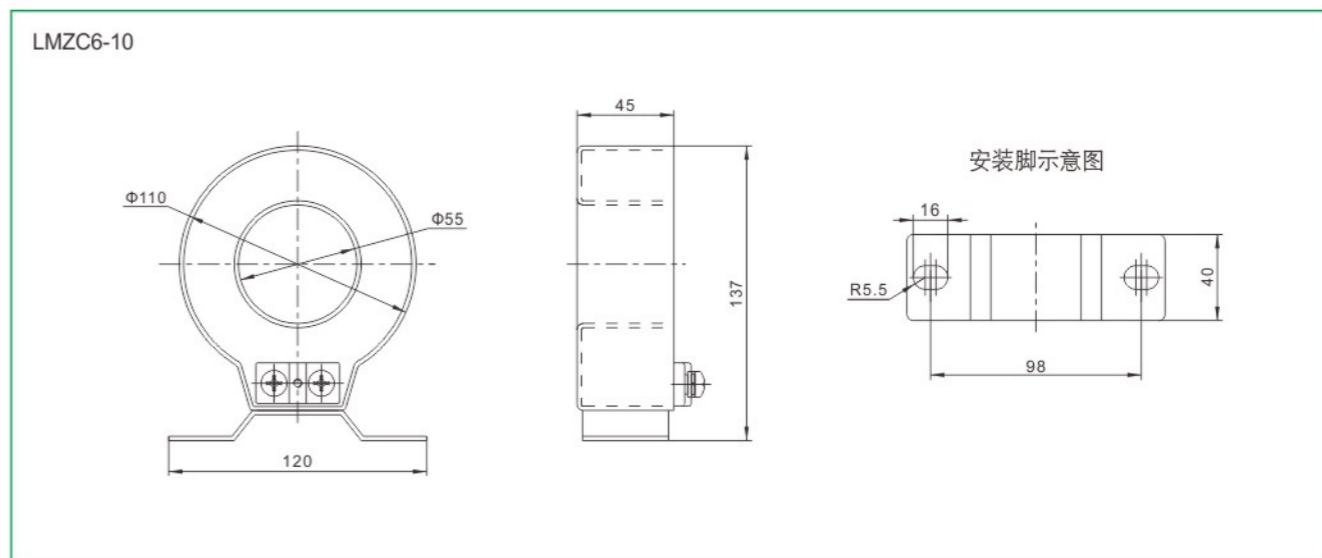
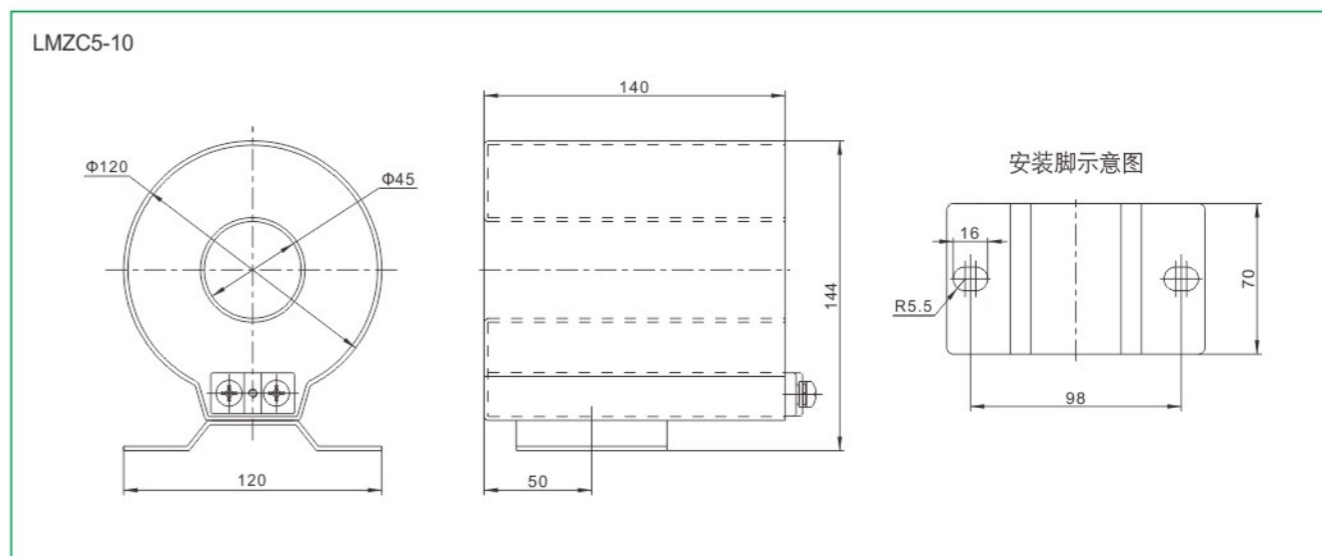
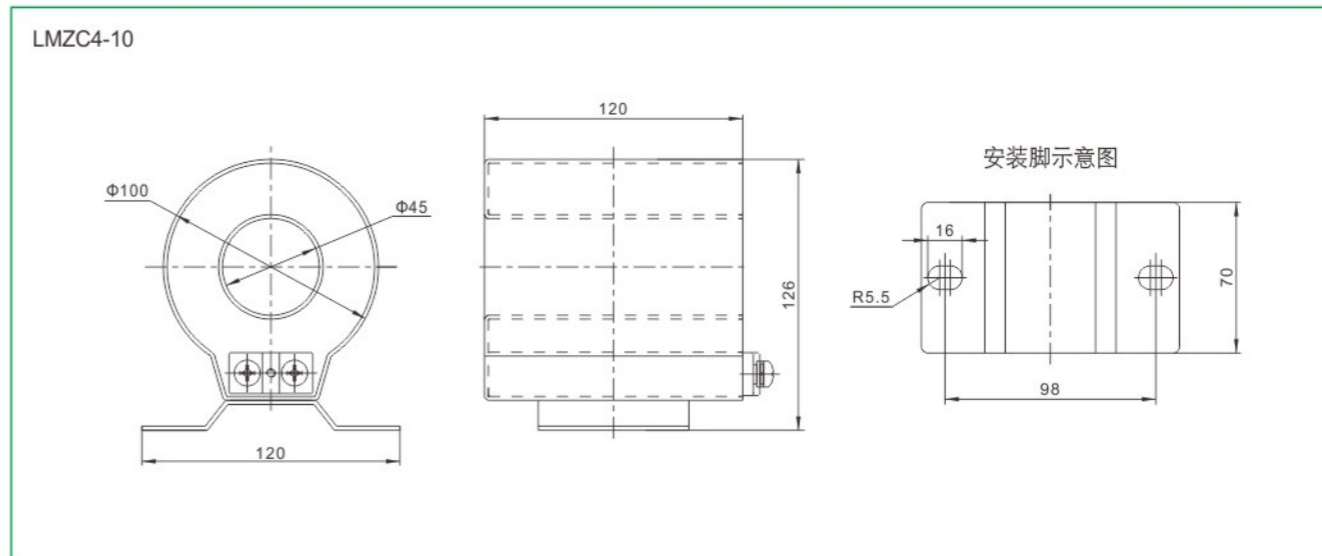
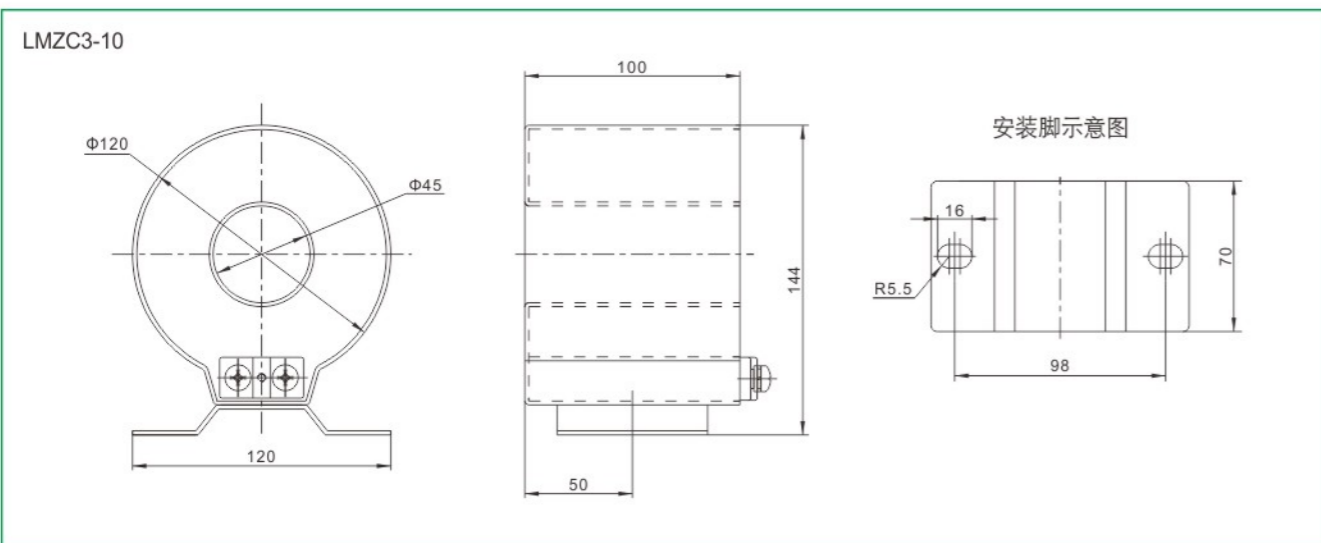
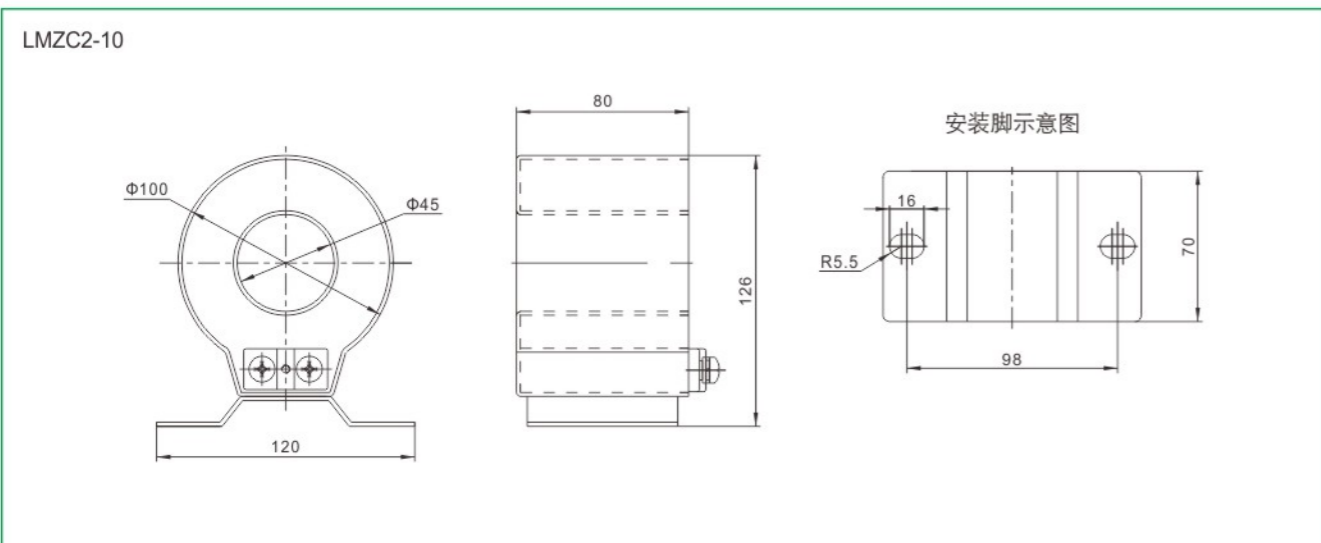
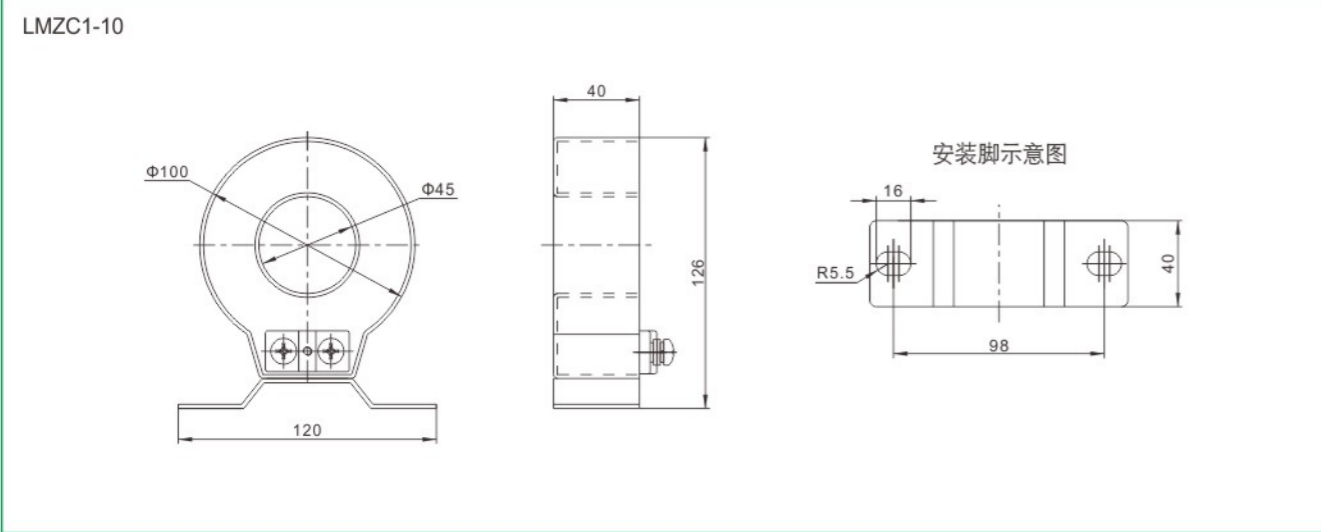
技术参数 Technical data

- 1、额定频率：50Hz/60Hz;
  - 2、额定二次电流：5A/1A;
  - 3、工频耐压：3kV/1min;
  - 4、额定扩大电流：120%I<sub>n</sub>;
  - 5、执行标准：GB20840.2-2014;
  1. Rated frequency: 50Hz/60Hz;
  2. Rated secondary current: 5A/1A;
  3. Power frequency withstand voltage: 3kV/1min;
  4. Rated expanded current: 120%I<sub>n</sub>;
  5. Implementation standard: GB20840.2-2014;
- P2表示一次极性端，S1、S2表示二次极性端；  
P2和S2为同名端(减极性)。
- P2 represents the primary polarity end, and S1 and S2 represent the secondary polarity end.  
P2 and S2 are ends with the same name (minus polarity).

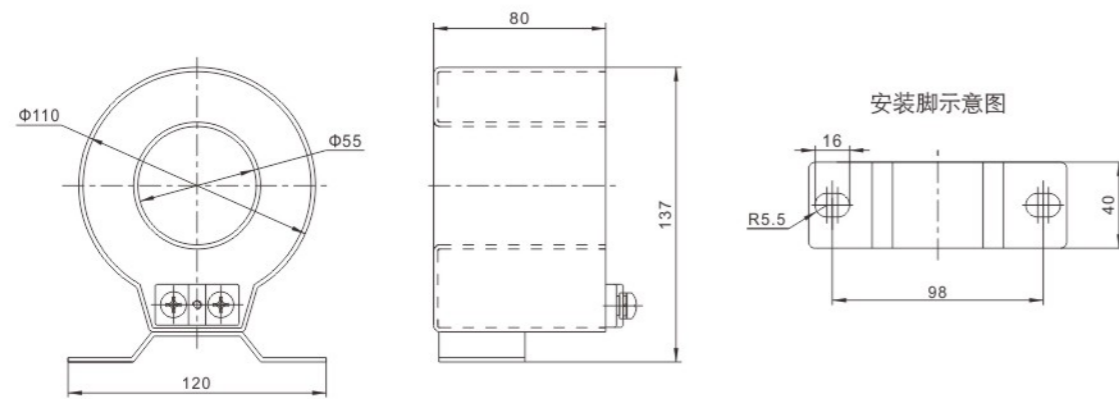
接线原理图 Elementary diagram



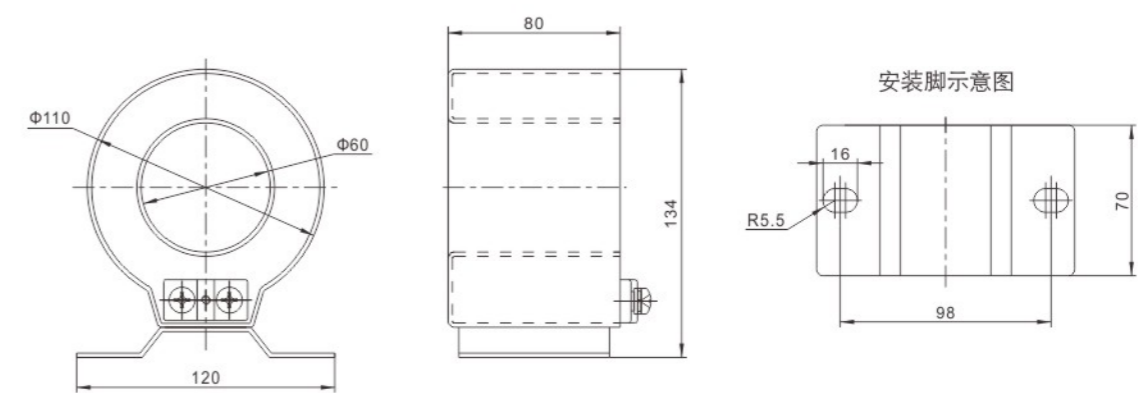
外形及安装尺寸 Overall dimension drawing



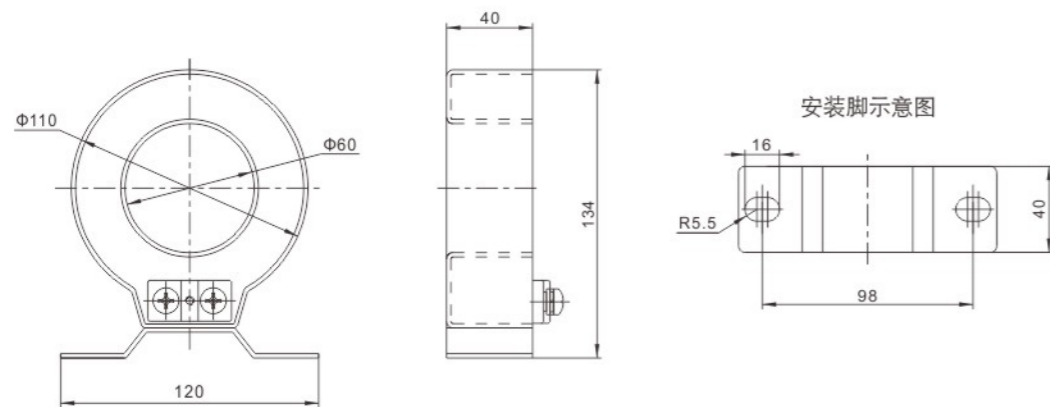
LMZC7-10



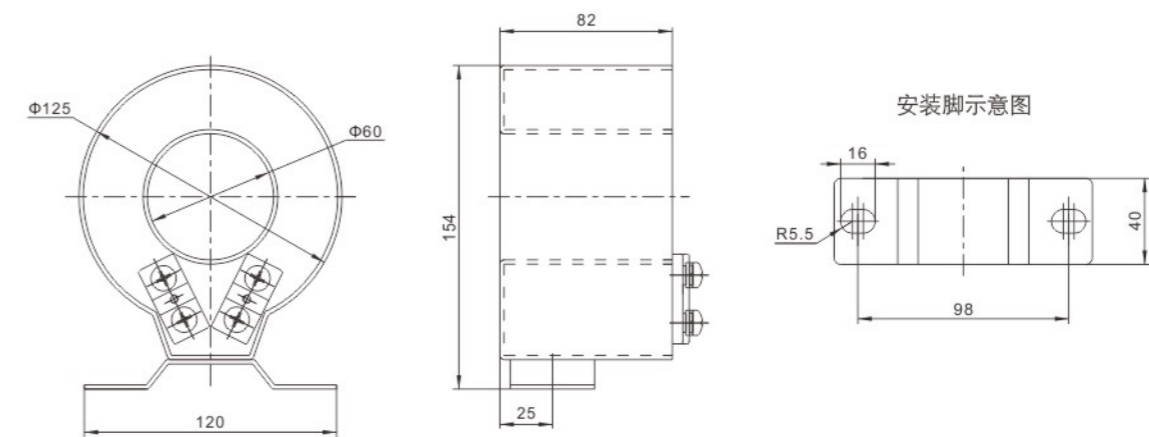
LMZC10-10



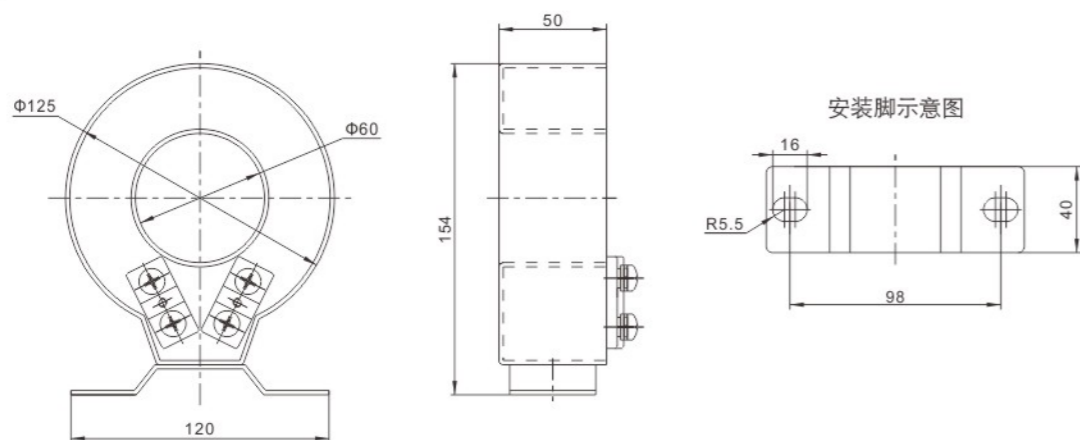
LMZC8-10



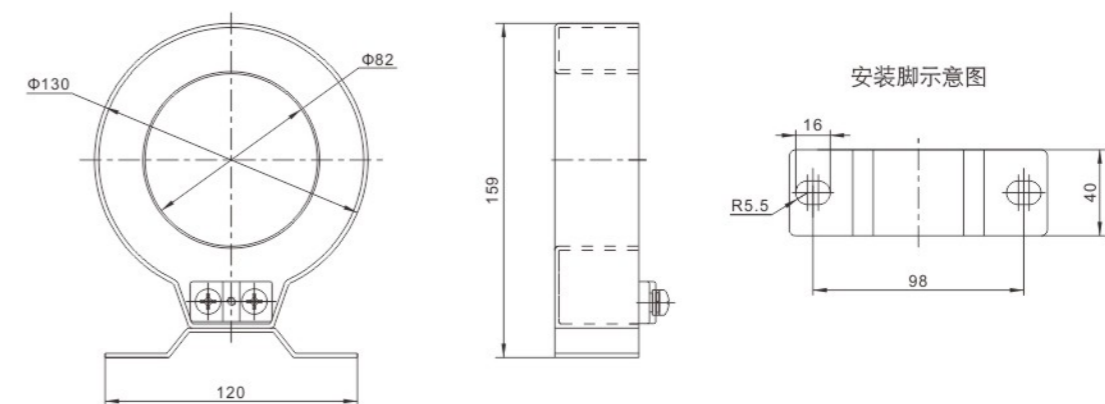
LMZC11-10



LMZC9-10



LMZC12-10





### 概述 Summary

LDK系列卡式电流互感器适用于10kV-35kV交流电力系统的电气设备的电流测量、信号采样和微机保护。该电流互感器具有体积小、重量轻、可开启、便于安装等特点，广泛用于紧凑型全绝缘环网开关柜中，并且非常适合与RTU、FTU等远程终端设备组成采样单元为整个系统提供数据支持。安装时直接卡在连接好的进出线电缆上，简便快捷。已在SafeRing/Plus、Uniswitch、RM6/SM6、SVS、GA/GE、FB、SS等紧凑型全绝缘环网开关柜中广泛应用，亦用于组合式变电站和电缆分接箱中。

该型电流互感器选用了磁导率较高的优质进口硅钢片作为导磁材料，具有铁芯可分割、磁路损耗小的特点，其半圆环型铁芯和二次绕组采用优质环氧树脂真空浇注在可燃的塑料合金壳体内，防潮、性能稳定，无需维护。安装时将两个半圆环卡在分相电缆上，用抱箍抱紧，与电缆于一体，和谐美观，35mm<sup>2</sup>-400mm<sup>2</sup>的10kV电缆均能适用，其抱箍采用优质不锈钢材料，坚固可靠，无涡流。

LDK series card current transformers are suitable for current measurement, signal sampling and microcomputer protection of electrical equipment in 10kV-35kV AC power system. The current transformer has the characteristics of small size, light weight, opening, easy installation, etc. It is widely used in compact all-insulated ring switch cabinets, and is very suitable to form a sampling unit with RTU, FTU and other remote terminal equipment to provide data support for the whole system. When installing, it is directly clamped on the connected incoming and outgoing cables, which is simple and quick. Has been used in SafeRing/Plus, Uniswitch, RM6/SM6, SVS, GA/GE, FB, SS and other compact full insulated ring network switchgear is widely used in combined substations and cable tap boxes.

This type of current transformer selects high-quality imported silicon steel sheet with high permeability as magnetic permeability material, which has the characteristics of separable iron core and low magnetic circuit loss. Its semi-circular iron core and secondary winding are vacuum-cast in flame-retardant plastic alloy shell with high-quality epoxy resin, which is moisture-proof, stable in performance and free of maintenance. During installation, the two semi-circular rings are clamped on the split-phase cable, and held tightly by the hoop, which is harmonious and beautiful with the cable. The 10kV cable of 35mm<sup>2</sup>-400mm<sup>2</sup> is applicable, and the hoop is made of high-quality stainless steel, which is firm and reliable without eddy current.

### 使用条件

1. 环境温度: -35°C~+55°C
2. 日平均温度: ≤40°C
3. 海拔高度: ≤3000m
4. 大气条件: 大气中无严重污秽

1. Ambient temperature: -35°C~+55°C;
2. Daily mean temperature: ≤40°C;
3. Altitude: ≤3000m;
4. Atmospheric conditions: There is no serious pollution in the atmosphere.

### 技术参数 Technical data

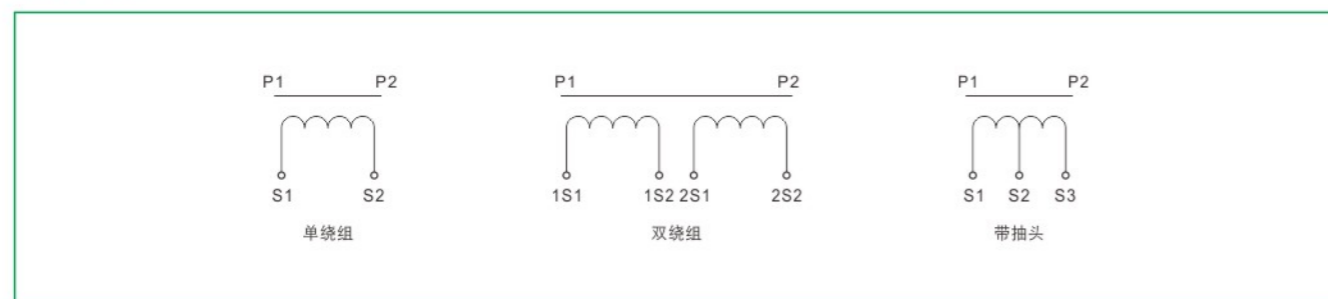
1. 额定频率: 50Hz/60Hz;
2. 额定二次电流: 5A/1A;
3. 工频耐压: 3kV/1min;
4. 额定扩大电流: 120%I<sub>n</sub>;
5. 执行标准: GB20840.2-2014。

P2表示一次极性端, S1、S2表示二次极性端;  
P2和S2为同名端(减极性)。

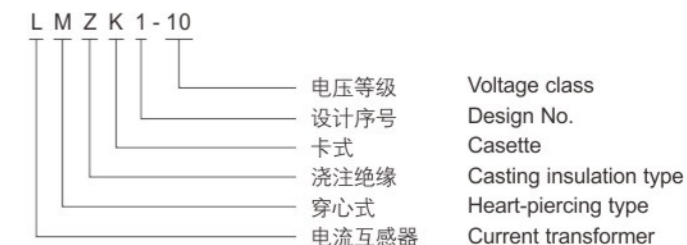
1. Rated frequency: 50Hz/60Hz;
2. Rated secondary current: 5A/1A;
3. Power frequency withstand voltage: 3kV/1min;
4. Rated expanded current: 120%I<sub>n</sub>;
5. Implementation standard: GB20840.2-2014.

P2 represents the primary polarity end, and S1 and S2 represent the secondary polarity end.  
P2 and S2 are ends with the same name (minus polarity).

### 接线原理图 Elementary diagram



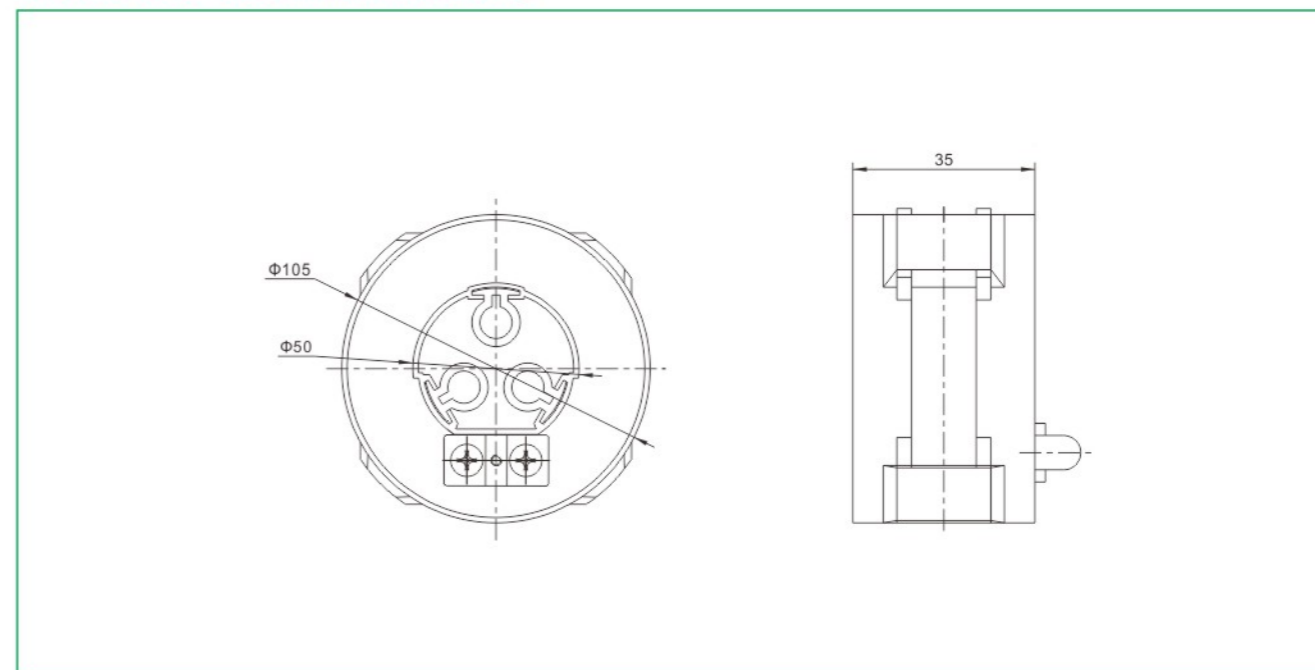
### 型号含义 Type description



### 技术参数 Technical data

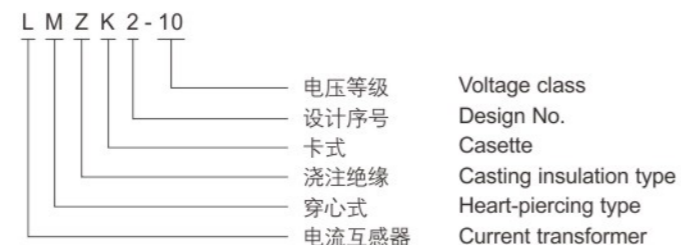
电流比I <sub>1</sub> /I <sub>2</sub> Current ratio I <sub>1</sub> /I <sub>2</sub>	准确级及额定负载(VA) Accurate grade and rated load(VA)					
	0.5	1	3	10P15	10P10	10P5
300/1	2.5	5	7.5			2.5
400/1	5	7.5	10		2.5	5
500/1	7.5	10	15	2.5	3.75	7.5
600/1	10	15	20	2.5	5	10
300/5	2.5	3.75	5			2.5
400/5	2.5	3.75	5			3.75
500/5	3.75	5	7.5		2.5	5
600/5	5	7.5	10	2.5	3.75	7.5
800/5	5	7.5	10	3.75	5	10

### 外形及安装尺寸 Overall dimension drawing





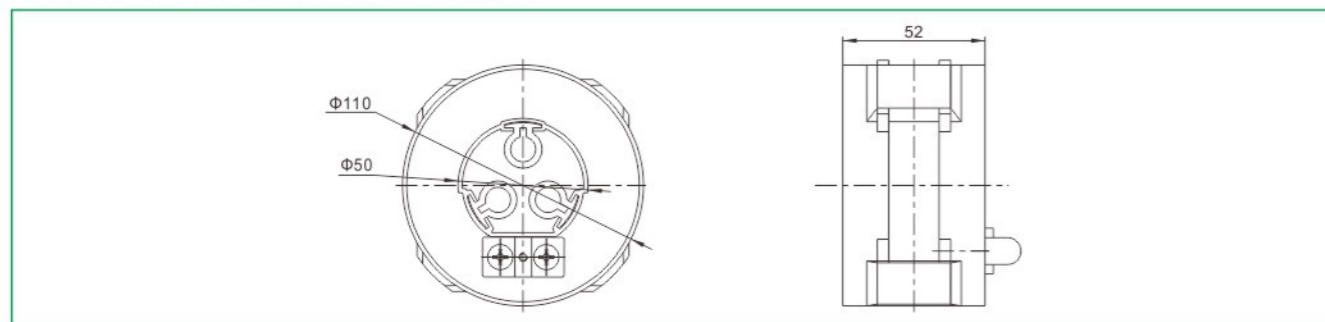
型号含义 Type description



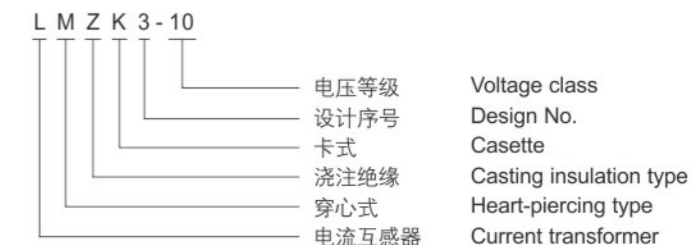
技术参数 Technical data

电流比I <sub>1</sub> /I <sub>2</sub> Current ratio I <sub>1</sub> /I <sub>2</sub>	准确级及额定负载(VA) Accurate grade and rated load(VA)						
	0.2	0.5	1	10P10	10P5	双绕组Duplex winding	
						0.5	10P10
30/1			1				
40/1			1				
50/1		1	1.5		1		
75/1		1.25	2.5		1.25		
100/1		1.25	2.5	1.25	2.5		
150/1		2.5	5	1.25	2.5		
200/1		3.75	7.5	2.5	5		
300/1		5	10	3.75	7.5	2.5	2.5
400/1	2.5	10	20	5	10	2.5	2.5
500/1	5	15	25	5	10	5	2.5
600/1	10	20	30	7.5	15	5	2.5
40/5			1.5				
50/5		1.5	2.5				
75/5		2.5	2.5		1.5		
100/5		2.5	2.5		2.5		
150/5		2.5	5	1.5	2.5		
200/5		5	7.5	2.5	5		
300/5		5	7.5	3.75	7.5	2.5	2.5
400/5	2.5	7.5	10	5	10	2.5	2.5
500/5	5	10	15	5	10	3.75	3.75
600/5	7.5	15	30	7.5	15	5	5
800/5	10	20	30	10	20	5	5
1000/5	10	20	30	10	20		
1200/5	10	20	30	10	20		

外形及安装尺寸 Overall dimension drawing



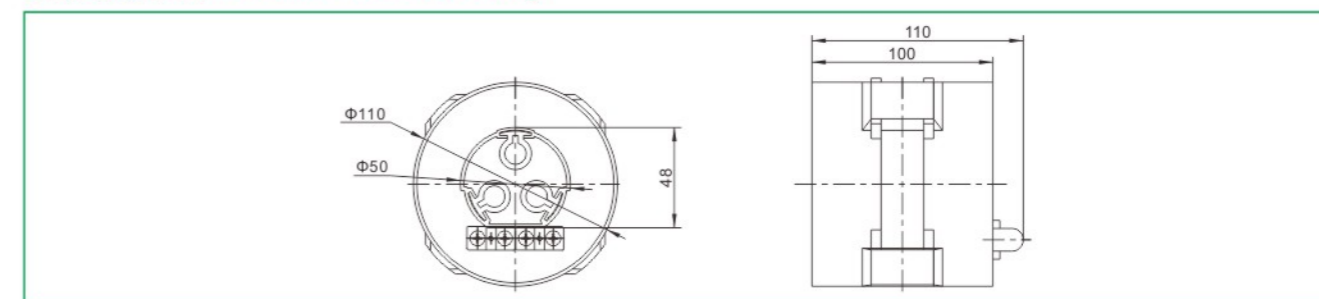
型号含义 Type description



技术参数 Technical data

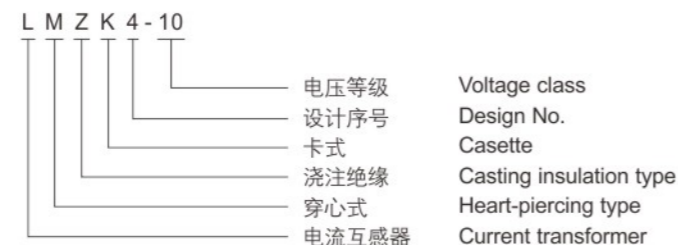
电流比I <sub>1</sub> /I <sub>2</sub> Current ratio I <sub>1</sub> /I <sub>2</sub>	准确级及额定负载(VA) Accurate grade and rated load(VA)						
	0.2	0.5	1	10P10	10P5	双绕组Duplex winding	
						0.5	10P10
30/1			1				
40/1			1				
50/1		1.5	1.5	1	2	1	1
75/1		2.5	2.5	1.25	2.5	1.25	1.25
100/1		2.5	2.5	2.5	5	1.25	1.25
150/1		3.75	5	2.5	5	2.5	1.25
200/1		5	7.5	5	10	2.5	2.5
300/1	2.5	10	10	7.5	15	3.75	3.75
400/1	5	20	20	10	20	5	5
500/1	7.5	30	25	10	20	7.5	7.5
600/1	15	40	30	15	30	10	10
30/5			1.5				
40/5		1.5	1.5				
50/5		2.5	2.5		2.5	1	1
75/5		2.5	2.5	2	3.75	2.5	1.5
100/5		2.5	2.5	3.75	7.5	2.5	2.5
150/5		3.75	5	3.75	7.5	2.5	2.5
200/5		7.5	7.5	5	10	5	3.75
300/5		10	7.5	7.5	15	5	5
400/5	5	15	10	10	20	5	5
500/5	10	20	15	10	20	7.5	7.5
600/5	15	30	30	15	30	10	10
800/5	20	30	40	20	40	10	10
1000/5	20	30	50	20	40	15	15
1200/5	20	30	60	20	40	15	15

外形及安装尺寸 Overall dimension drawing





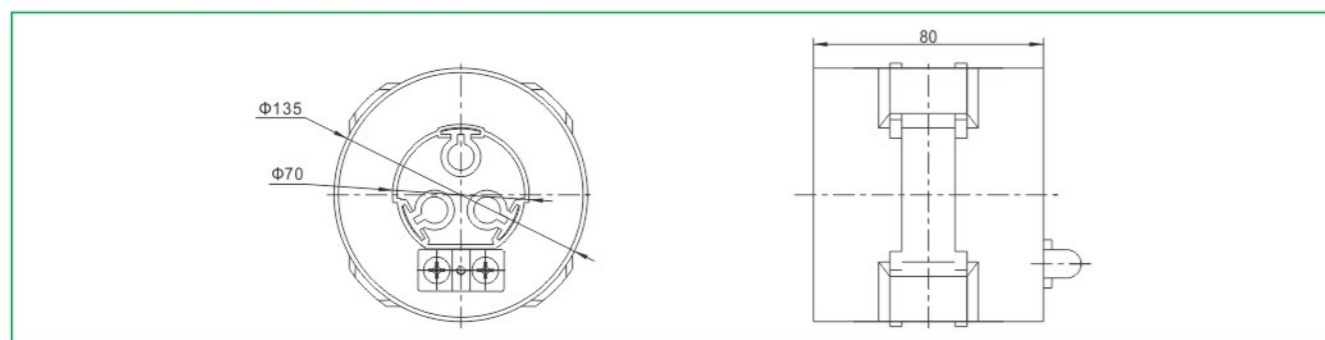
型号含义 Type description



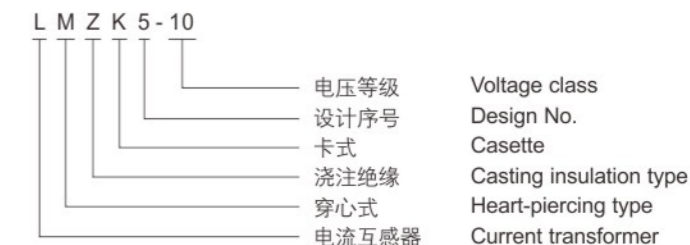
技术参数 Technical data

用途 Use	测量电流互感器 Measuring current transformer			保护电流互感器 Protection current transformer			双绕组电流互感器 Double winding current transformer			
	准确级及额定负载(VA) Accurate grade and rated load(VA)						复合准确级及额定负载(VA) Composite accurate grade and rated load(VA)			
	0.5	1	3	10P15	10P10	10P5	0.5	1	10P10	10P5
50/1		1				1				
75/1		1			1	2				
100/1	1.25				2.5					
150/1	2.5				5					
200/1	2.5			2.5	5					
300/1	5			5	7.5		2.5		2.5	
400/1	5			5	10		5		5	
500/1	10			7.5	15		7.5		7.5	
600/1	15			10	15		10		10	
50/5		1				2				
75/5	1.5	2.5			1.5	2.5				
100/5	2.5				2.5					
150/5	2.5				3.75					
200/5	2.5			2.5	5					
300/5	5			3.75	7.5		2.5		2.5	
400/5	7.5			5	10		5		5	
500/5	10			7.5	15		7.5		7.5	
600/5	10			7.5	15		7.5		7.5	

外形及安装尺寸 Overall dimension drawing



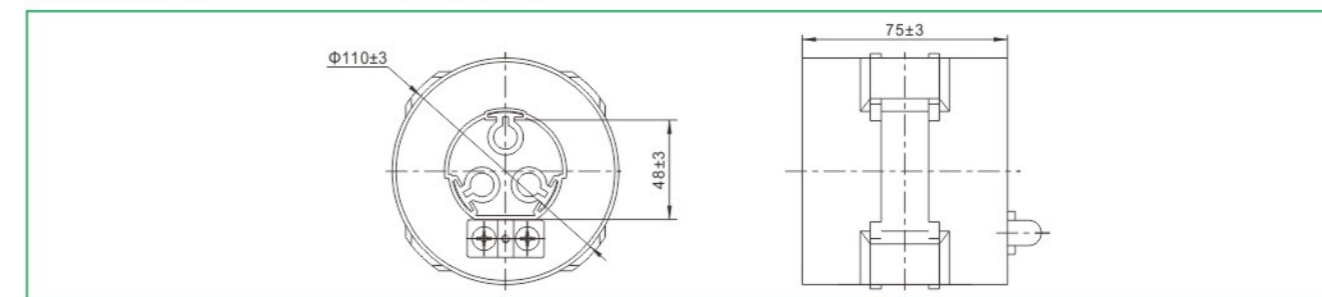
型号含义 Type description



技术参数 Technical data

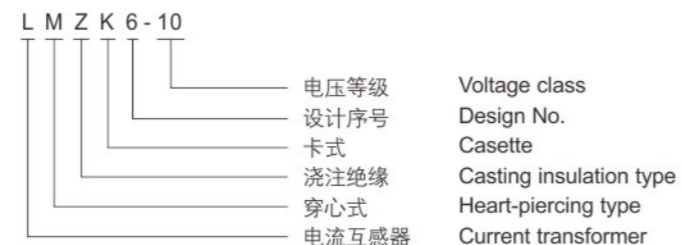
电流比I <sub>1</sub> /I <sub>2</sub> Current ratio I <sub>1</sub> /I <sub>2</sub>	准确级及额定负载(VA) Accurate grade and rated load(VA)						双绕组Duplex winding	
	0.2	0.5	1	10P10	10P5	0.5 10P10		
	30/1		1	1.25		1		
40/1		1	1		1			
50/1		1.5	1.5	1	2	1	1	
75/1		2.5	2.5	1.25	2.5	1.25	1.25	
100/1		2.5	2.5	2.5	5	1.25	1.25	
150/1		3.75	5	2.5	5	2.5	1.25	
200/1		5	7.5	5	10	2.5	2.5	
300/1	2.5	10	10	7.5	15	3.75	3.75	
400/1	5	20	20	10	20	5	5	
500/1	7.5	35	25	10	20	7.5	7.5	
600/1	15	40	30	15	30	10	10	
30/5		1.5			1.5			
40/5		1.5	1.5		1.5			
50/5		2.5	2.5		2.5	1	1	
75/5		2.5	2.5	2	3.75	2.5	1.5	
100/5		2.5	2.5	3.75	7.5	2.5	2.5	
150/5		3.75	5	3.75	7.5	2.5	2.5	
200/5		7.5	7.5	5	10	5	3.75	
300/5		10	7.5	7.5	15	5	5	
400/5	5	15	10	10	20	5	5	
500/5	10	20	15	10	20	7.5	7.5	
600/5	15	35	30	15	30	10	10	
800/5	20	40	30	20	40	10	10	
1000/5	20	50	30	20	40	15	15	
1200/5	20	60	30	20	40	15	15	

外形及安装尺寸 Overall dimension drawing





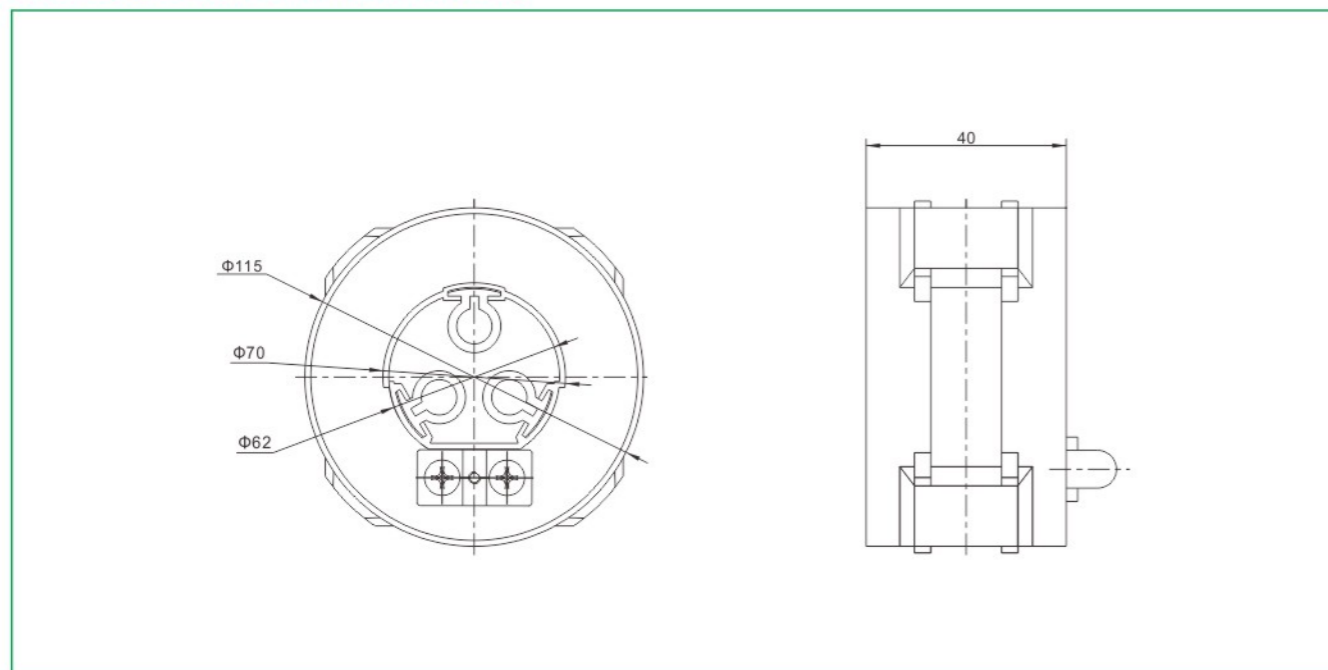
型号含义 Type description



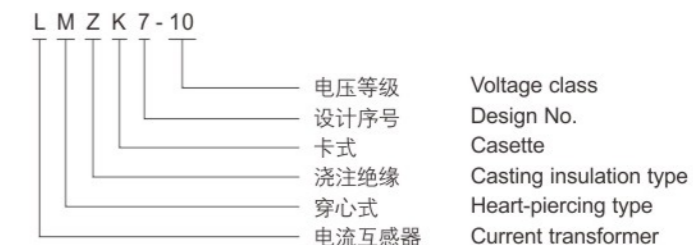
技术参数 Technical data

电流比 $I_1/I_2$ Current ratio I1/I2	准确级及额定负载(VA) Accurate grade and rated load(VA)					
	0.5	1	3	10P15	10P10	10P5
300/1	2.5	5	7.5			2.5
400/1	5	7.5	10		2.5	5
500/1	7.5	10	15	2.5	3.75	7.5
600/1	10	15	20	2.5	5	10
300/5	2.5	3.75	5			2.5
400/5	2.5	3.75	5			3.75
500/5	3.75	5	7.5		2.5	5
600/5	5	7.5	10	2.5	3.75	7.5

外形及安装尺寸 Overall dimension drawing



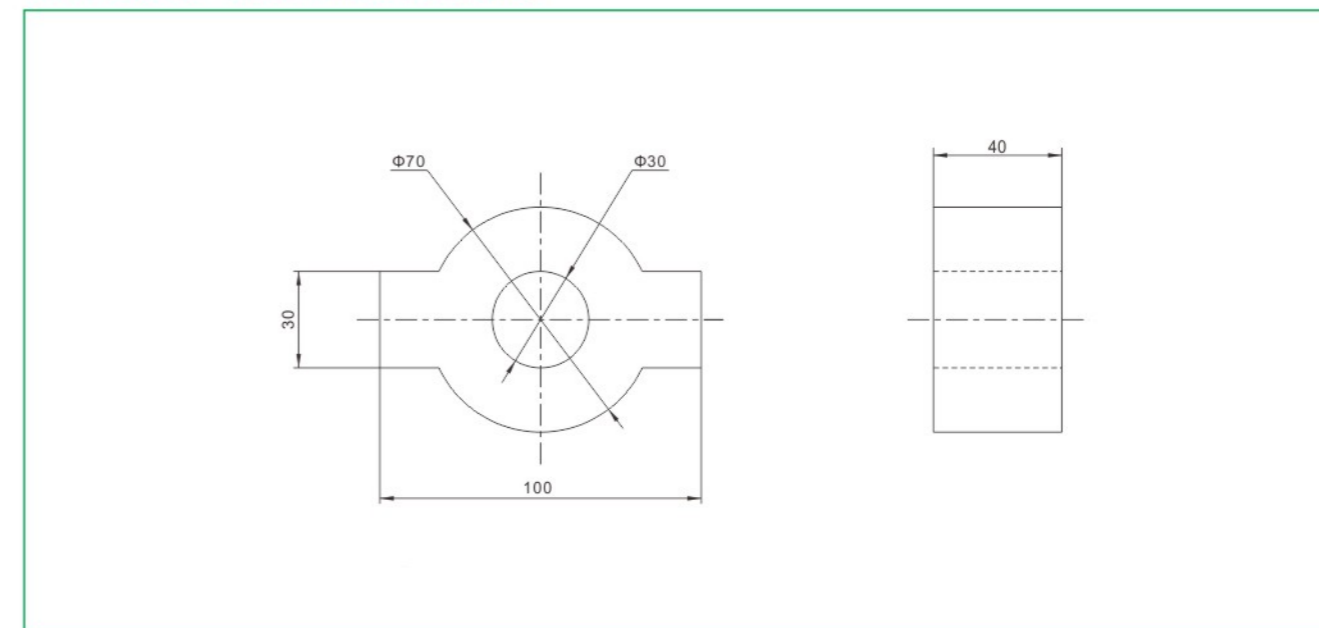
型号含义 Type description



技术参数 Technical data

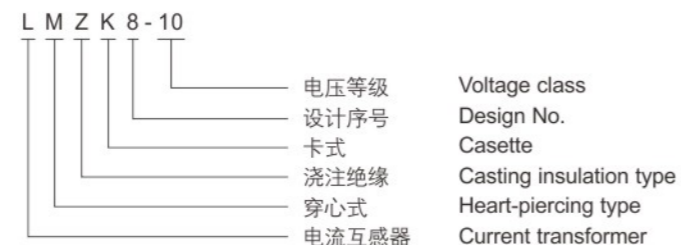
用途 Use	测量电流互感器 Measuring current transformer		保护电流互感器 Protection current transformer	
	准确级及额定负载(VA) Accurate grade and rated load(VA)		双绕组准确级及额定负载(VA) Accurate level and rated load of double windings (VA)	
电流比 $I_1/I_2$ Current ratio I1/I2	0.5	1	10P10	10P5
300/1	2	2.5	1	2.5
400/1	2.5	5	1	5
500/1	5	6.25	1.5	5
600/1	5	7.5	2.5	7.5
300/5	2.5		2.5	3.75
400/5	2.5	5	2.5	5
500/5	5	7.5	2.5	5
600/5	5	10	2.5	5

外形及安装尺寸 Overall dimension drawing





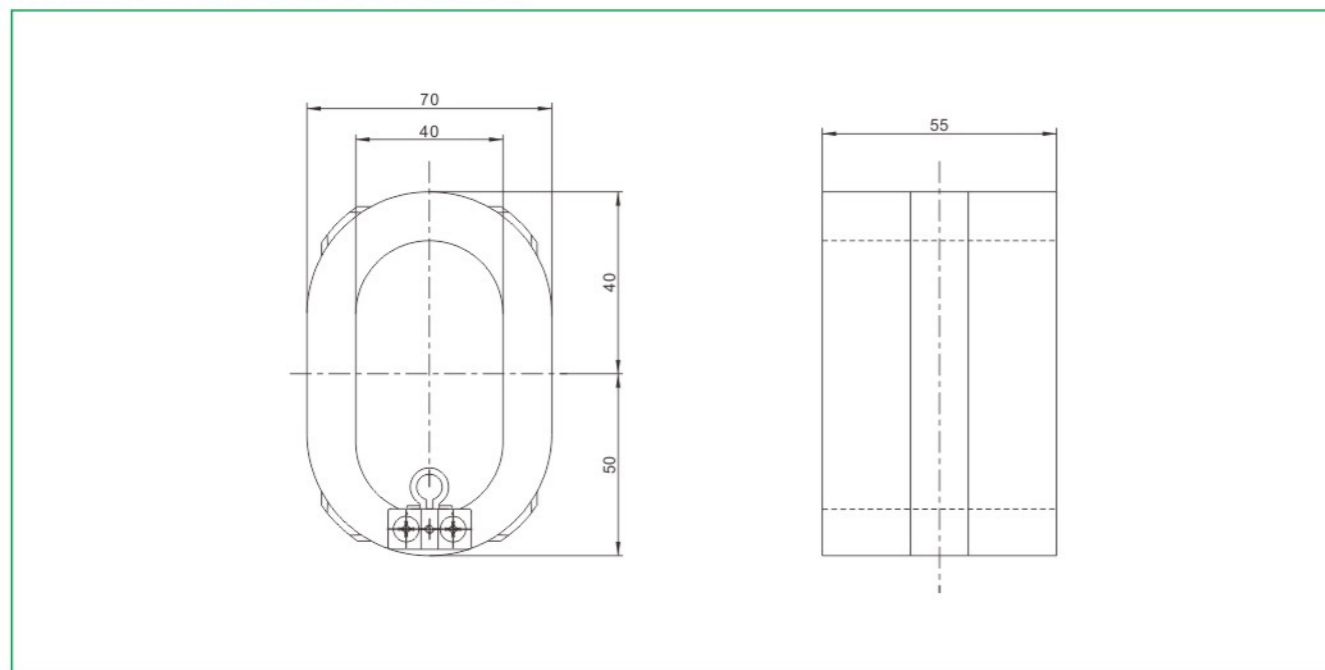
型号含义 Type description



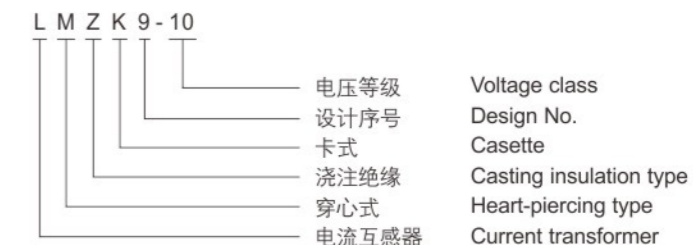
技术参数 Technical data

用途 Use	测量电流互感器 Measuring current transformer		保护电流互感器 Protection current transformer	
	准确级及额定负载(VA) Accurate grade and rated load(VA)		双绕组准确级及额定负载(VA) Accurate level and rated load of double windings (VA)	
电流比 $I_1/I_2$ Current ratio $I_1/I_2$	0.5	1	10P10	10P5
300/1	2	2.5	1	2.5
400/1	2.5	5	1	5
500/1	5	6.25	1.5	5
600/1	5	7.5	2.5	7.5
300/5	2.5		2.5	3.75
400/5	2.5	5	2.5	5
500/5	5	7.5	2.5	5
600/5	5	10	2.5	5

外形及安装尺寸 Overall dimension drawing



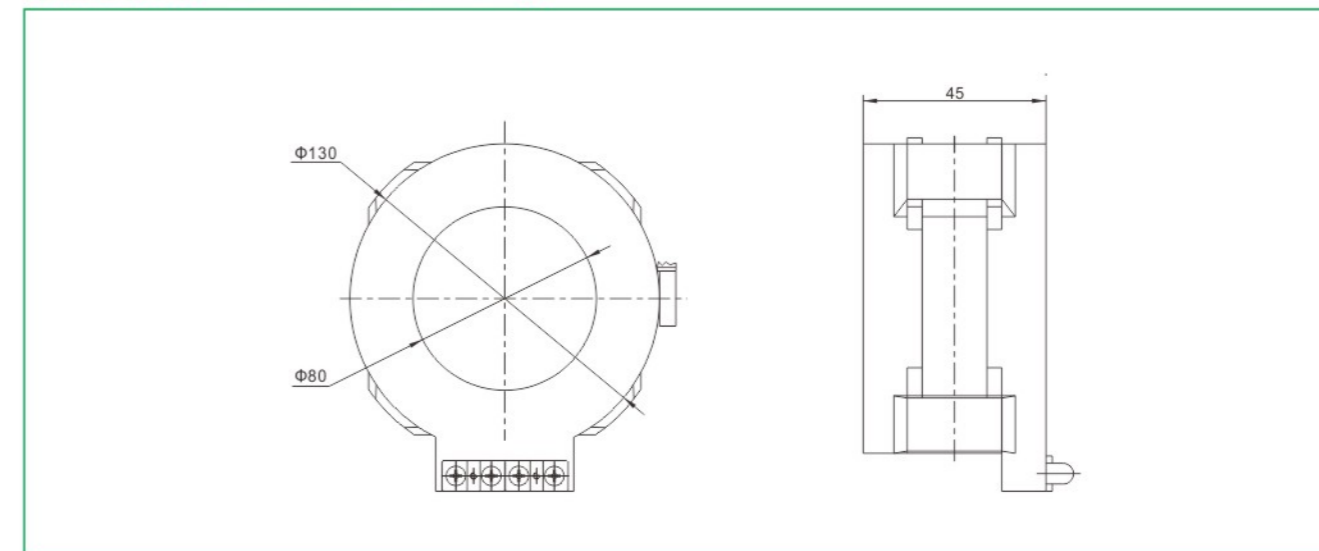
型号含义 Type description



技术参数 Technical data

用途 Use	测量电流互感器 Measuring current transformer			保护电流互感器 Protection current transformer		
	准确级及额定负载(VA) Accurate grade and rated load(VA)			准确级及额定负载(VA) Accurate grade and rated load(VA)		
电流比 $I_1/I_2$ Current ratio $I_1/I_2$	0.5	1	3	10P15	10P10	10P5
200/1	1.25				1	2
300/1	2.5				1	2.5
400/1	5				1	3.75
500/1	5				2.5	5
600/1	5				2.5	5
200/5	2.5					2.5
300/5	2.5					2.5
400/5	5				2.5	3.75
500/5	5				2.5	5
600/5	5				2.5	5
800/5	5				2.5	5

外形及安装尺寸 Overall dimension drawing



概述 Summary

LTZC套管式电流互感器适用于10kV交流电力系统中供用电设备的电流、电能测量和微机保护。该电流互感器具有体积小、重量轻、便于安装等特点，已在紧凑型环网开关柜、电容器等电器设备中广泛应用。

该型电流互感器的环型铁芯和二次绕组采用优质环氧树脂真空浇注在可燃的塑料壳体内，防潮、性能稳定，无需维护。其体积小、重量轻，占用空间小，固定在环网开关柜、电容器等电器设备的套管上，简便快捷，和谐美观。

LTZC bushing current transformer is suitable for current and energy measurement and microcomputer protection of power supply equipment in 10kV AC power system. The current transformer has the characteristics of small size, light weight and easy installation, and has been widely used in compact ring switch cabinets, capacitors and other electrical equipment.

The annular iron core and secondary winding of this type of current transformer are vacuum cast with high-quality epoxy resin in a flame-retardant plastic shell, which is moisture-proof, stable in performance and free of maintenance. It is small in size, light in weight and small in occupied space. It is simple, fast, harmonious and beautiful because it is fixed on the sleeve of electrical equipment such as ring switch cabinet and capacitor.

技术参数 Technical data

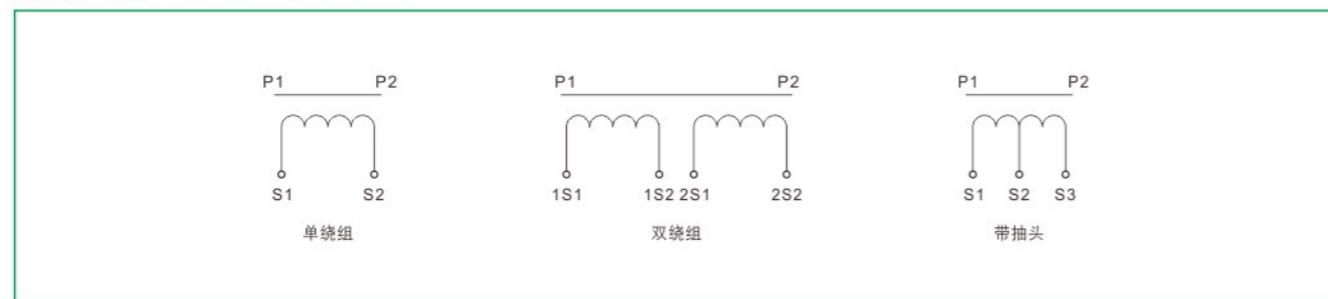
- 1、额定频率：50Hz/60Hz；
  - 2、额定二次电流：5A/1A；
  - 3、工频耐压：3kV/1min；
  - 4、额定扩大电流：120%In；
  - 5、执行标准：GB20840.2-2014。
- P2表示一次极性端，S1、S2表示二次极性端；P2和S2为同名端(减极性)。

1. Rated frequency: 50Hz/60Hz;
  2. Rated secondary current: 5A/1A;
  3. Power frequency withstand voltage: 3kV/1min;
  4. Rated expanded current: 120%In;
  5. Implementation standard: GB20840.2-2014.
- P2 represents the primary polarity end, and S1 and S2 represent the secondary polarity end. P2 and S2 are ends with the same name (minus polarity).

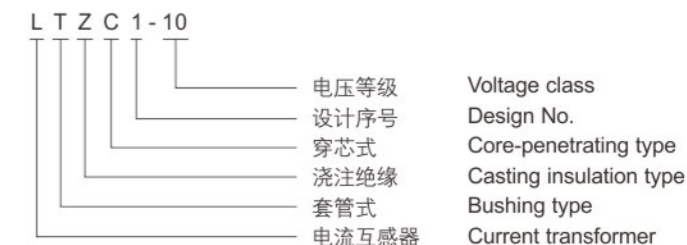
使用条件 Conditions of use

- 1、环境温度：-35℃~+55℃
  - 2、日平均温度：≤40℃
  - 3、海拔高度：≤3000m
  - 4、大气条件：大气中无严重污秽
1. Ambient temperature: -35℃~+55℃;
  2. Daily mean temperature: ≤40℃;
  3. Altitude: ≤3000m;
  4. Atmospheric conditions: There is no serious pollution in the atmosphere.

接线原理图 Elementary diagram



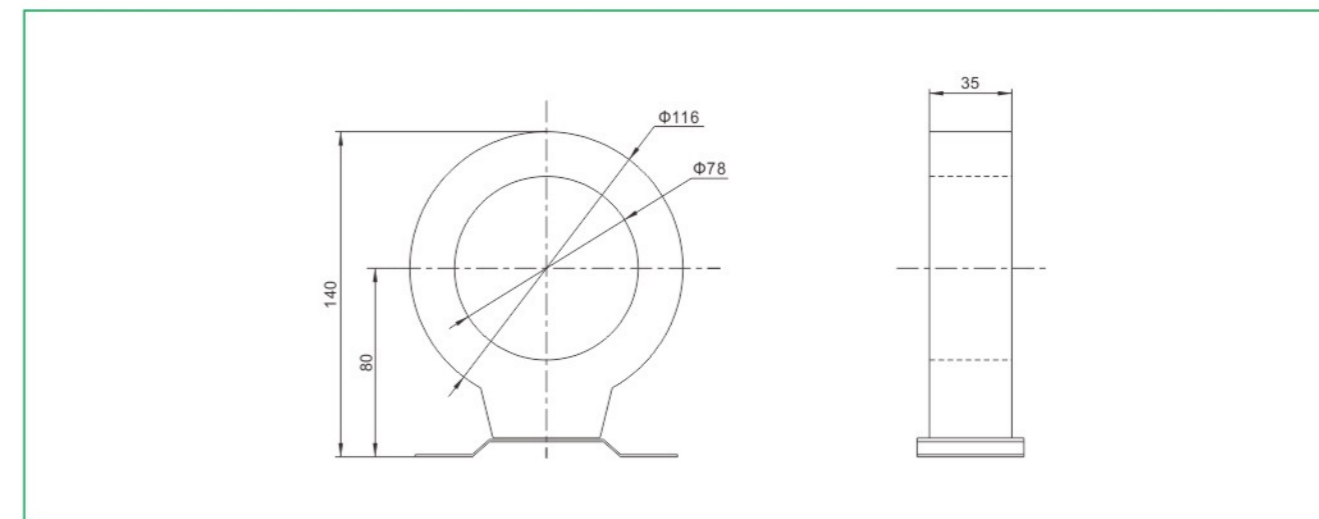
型号含义 Type description



技术参数 Technical data

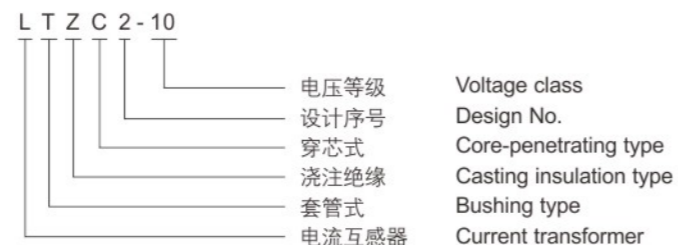
电流比I1/I2 Current ratio I1/I2	准确级及额定负载(VA) Accurate grade and rated load(VA)						
	0.2S	0.2	0.5	1	10P15	10P10	10P5
50/1				1			1
75/1			1.5	2			1.5
100/1			2	3		1	2
200/1			2.5		1.5	2	
300/1		2	3		2	2.5	
400/1		2.5			2.5	3.75	
500/1	2.5	3.75			3.75	5	
600/1	2.5	5			3.75	5	
100/5				2.5			1.5
150/5			2.5	3.75			2
200/5			3.75				2.5
300/5		2.5	5			2.5	5
400/5		3.75	7.5			2.5	5
500/5	2.5	5	7.5		2.5	3.75	7.5
600/5	2.5	7.5	10		3.75	5	10

外形及安装尺寸 Overall dimension drawing





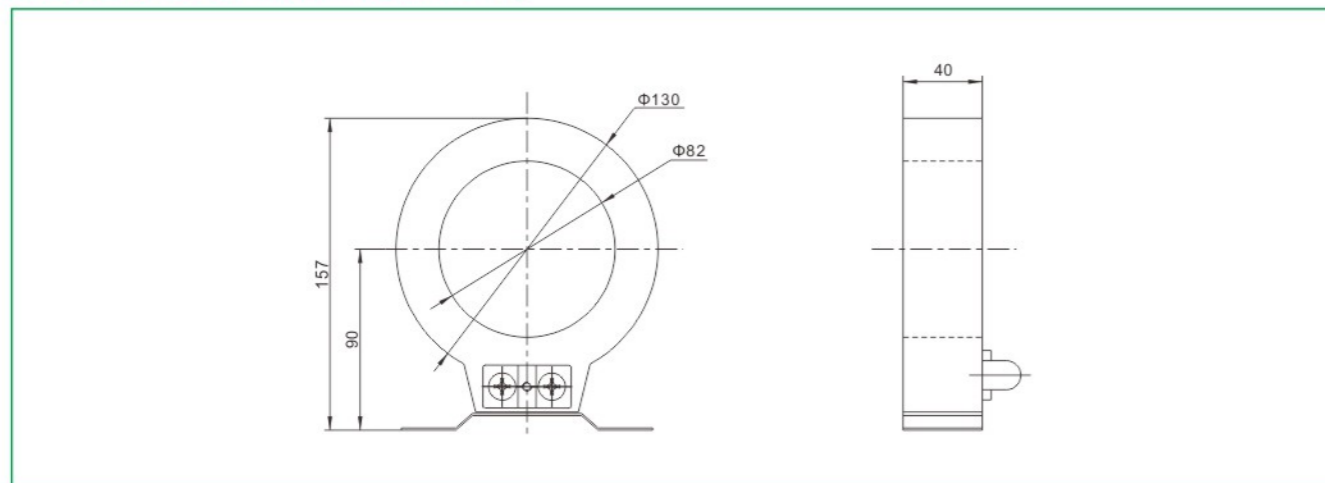
型号含义 Type description



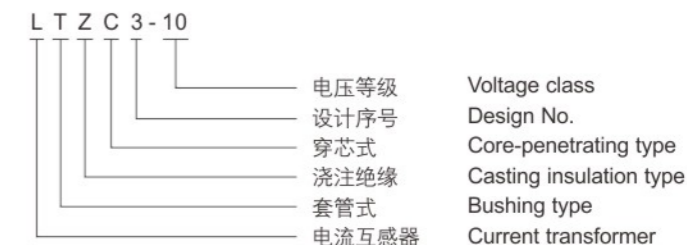
技术参数 Technical data

电流比 I <sub>1</sub> /I <sub>2</sub> Current ratio I <sub>1</sub> /I <sub>2</sub>	准确级及额定负载(VA) Accurate grade and rated load(VA)						
	0.2S	0.2	0.5	1	10P15	10P10	10P5
50/1			1	1.5			1.5
75/1			2	2.5			2
100/1			2.5	3.5		1.25	2.5
200/1			3	5	1.5	2.5	5
300/1		2.5	3.5		2.5	3.75	7.5
400/1	2.5	3.75	5		2.5	5	10
500/1	3.75	5	7.5		3.75	5	10
600/1	5	7.5	10		5	7.5	15
75/5			1.5				1
100/5			2.5	5			2.5
150/5			3.75	5			2.5
200/5			5	7.5		2.5	5
300/5		3.75	7.5		2.5	5	10
400/5	2.55	5	10		3.5	5	10
500/5	5	7.5	10		4	6.25	12.5
600/5	5	10	12.5		5	7.5	15

外形及安装尺寸 Overall dimension drawing



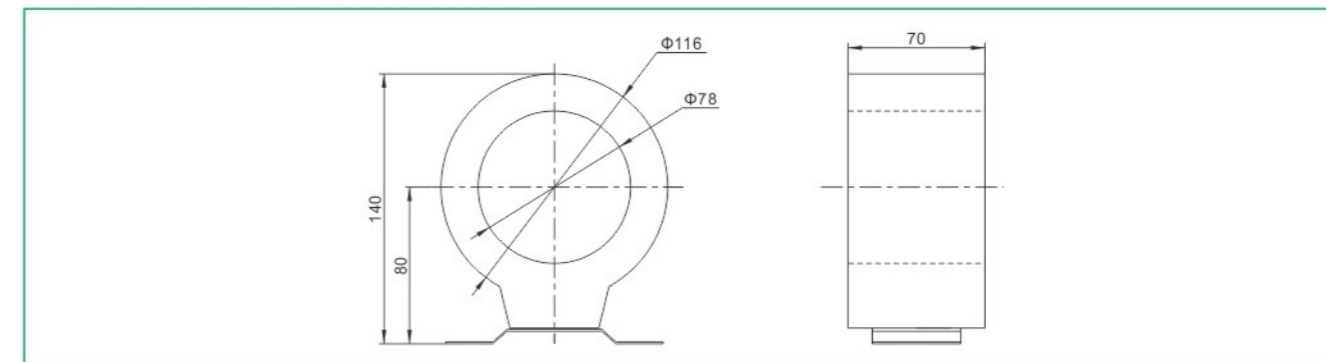
型号含义 Type description



技术参数 Technical data

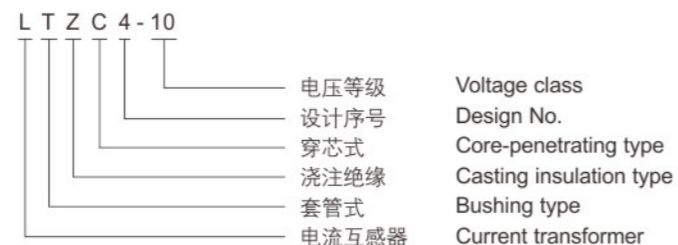
电流比 I <sub>1</sub> /I <sub>2</sub> Current ratio I <sub>1</sub> /I <sub>2</sub>	准确级及额定负载(VA) Accurate grade and rated load(VA)						双绕组准确级及额定负载(VA) Accurate level and rated load of double windings(VA)			
	0.2S	0.2	0.5	10P15	10P10	10P5	0.5	1	10P10	10P5
50/1			2.5		1.25	2.5		1		1
75/1			3.75		1.25	2.5		2.5		1.25
100/1			3.75	1.25	1.5	3.75	2.5	3	1.25	2.5
150/1		2.5	5	1.25	2.5	5	3		1.25	2.5
200/1		3.75	5	2.5	3.75	7.5	3.5		2.5	5
300/1	2.5	5	7.5	3.75	5	10	5		2.5	5
400/1	5	7.5	10	5	7.5	15	5		5	
500/1	7.5	10		7.5	10	20	7.5		7.5	
600/1	10	12.5		7.5	10	20	10		10	
50/5			1.5			1.5		1.5		2
75/5			2.5		1.5	2.5	2.5	2.5	1.5	3
100/5			2.5		2.5	5	2.5	5	2	3.75
150/5			2.5	2.5	2.5	5	2.5	5	2.5	5
200/5		2.5	5	3.75	5	10	2.5	5	3.75	7.5
300/5		5	7.5	5	5	10	5		2.5	10
400/5	2.5	5	10	5	7.5	15	5		2.5	
500/5	5	7.5	15	7.5	10	20	7.5		3.75	
600/5	5	10	20	7.5	10	20	10		5	

外形及安装尺寸 Overall dimension drawing





型号含义 Type description

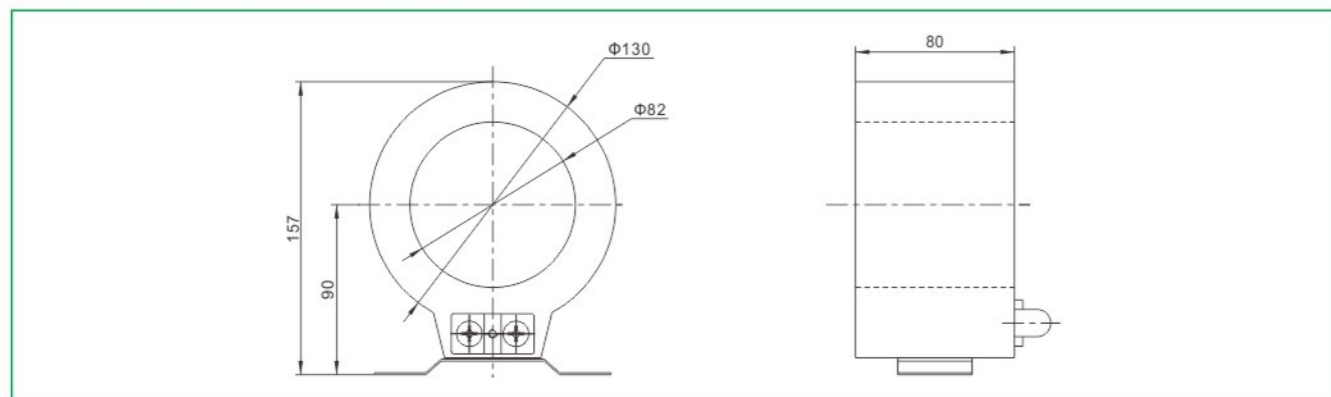


L T Z C 4 - 10  
电压等级 Voltage class  
设计序号 Design No.  
穿芯式 Core-penetrating type  
浇注绝缘 Casting insulation type  
套管式 Bushing type  
电流互感器 Current transformer

技术参数 Technical data

电流比 I <sub>1</sub> /I <sub>2</sub> Current ratio I <sub>1</sub> /I <sub>2</sub>	准确级及额定负载(VA) Accurate grade and rated load(VA)					双绕组准确级及额定负载(VA) Accurate level and rated load of double windings(VA)				
	0.2S	0.2	0.5	10P15	10P10	10P5	0.5	1	10P10	10P5
20/1			1							
30/1			1.25							
40/1			2			1	1.5		1	1
50/1			2.5		1	2.5	1.5	2	1	2
75/1			3.75	1.25	1.25	2.5	2	2.5	1.5	3
100/1			3.75	3	2.5	5	2.5	3	2	3.5
150/1		2.5	5	3.75	2.5	5	3		2.5	
200/1	2.5	3.75	5	1	6.5		3.5		3.5	
300/1	3.75	5	7.5	2	7.5		5		3.5	
400/1	5	1	15	3	15		5		5	
500/1	7.5	15	30	7.5	20		7.5		7.5	
600/1	10	20	40	10	15		10		10	
50/5			2.5			3.75		3.5		2
75/5			3.75		2.5	5	2.5	5	1.5	3
100/5		2.5	5		3.75	7.5	3.75	5	2	3.75
150/5	2.5	3.75	7.5	2.5	5	10	5		2.5	5
200/5	3.75	5	10	3.75	7.5		5		3.75	7.5
300/5	5	7.5	12.5	5	10		7.5		5	10
400/5	7.5	10	15	7.5	12.5		7.5		5	
500/5	10	12.5	20	10	15		10		7.5	
600/5	12.5	15	25	12.5	20		10		10	

外形及安装尺寸 Overall dimension drawing



型号含义 Type description

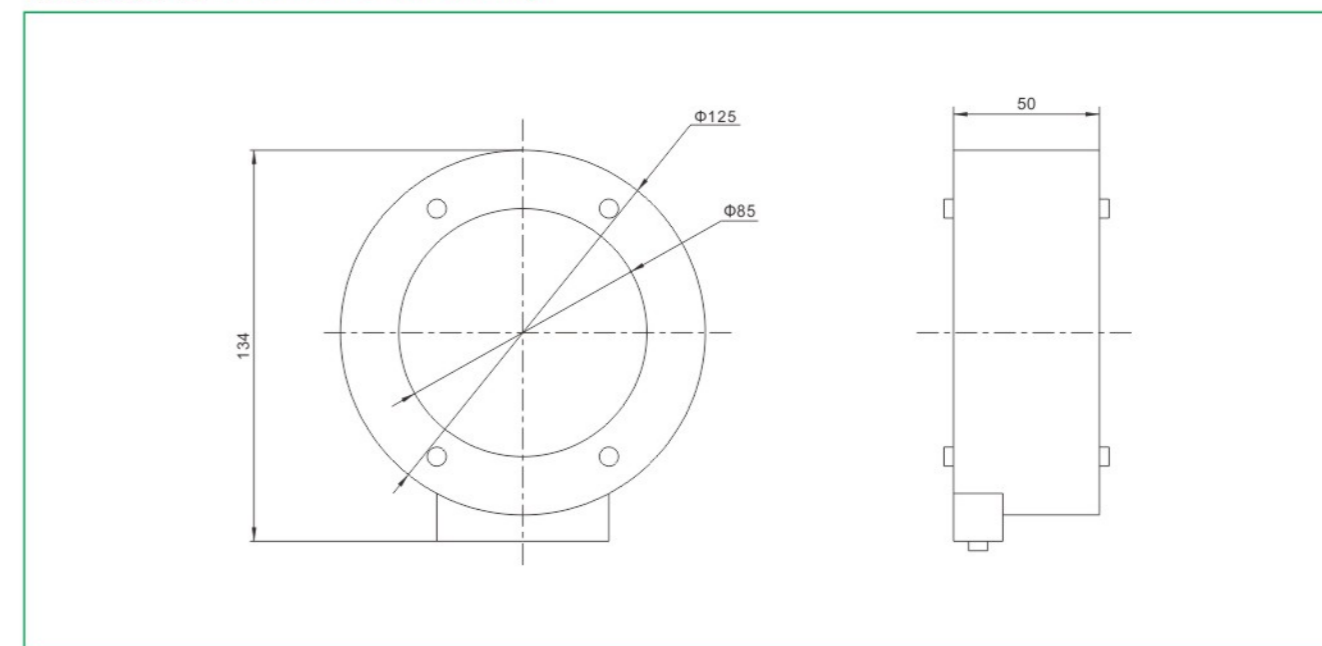


L T Z C 5 - 10  
电压等级 Voltage class  
设计序号 Design No.  
穿芯式 Core-penetrating type  
浇注绝缘 Casting insulation type  
套管式 Bushing type  
电流互感器 Current transformer

技术参数 Technical data

用途 Use	测量电流互感器 Measuring current transformer			保护电流互感器 Protection current transformer		
	准确级及额定负载(VA) Accurate grade and rated load(VA)			双绕组准确级及额定负载(VA) Accurate level and rated load of double windings (VA)		
电流比 I <sub>1</sub> /I <sub>2</sub> Current ratio I <sub>1</sub> /I <sub>2</sub>	0.2S	0.2	0.5	10P15	10P10	10P5
75/5			2.5			
100/5			2.5			2.5
150/5			2.5			2.5
200/5		2.5	5		2.5	5
250/5		2.5	5		2.5	5
300/5	2.5	5	5		2.5	5
400/5	5	5	10		5	10
500/5	5	10	10		5	10
600/5	5	10	10		5	10

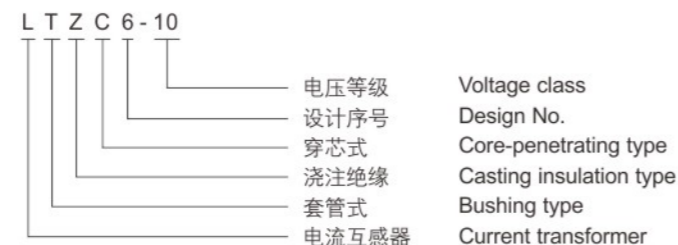
外形及安装尺寸 Overall dimension drawing







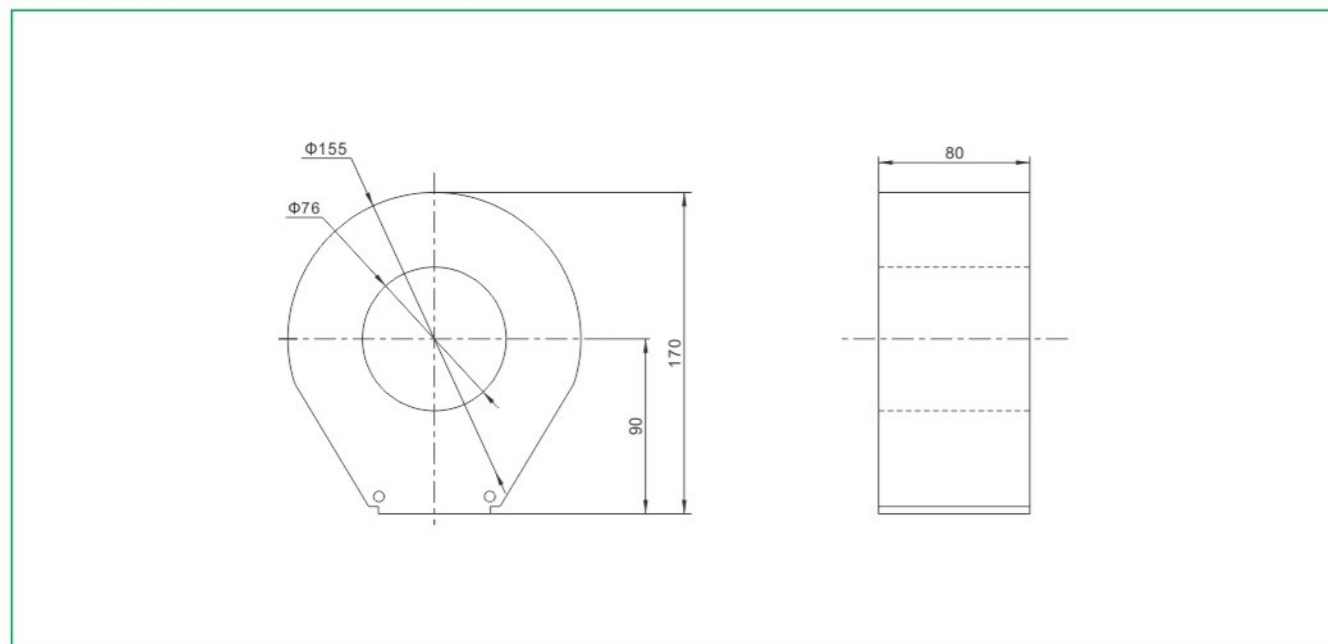
型号含义 Type description



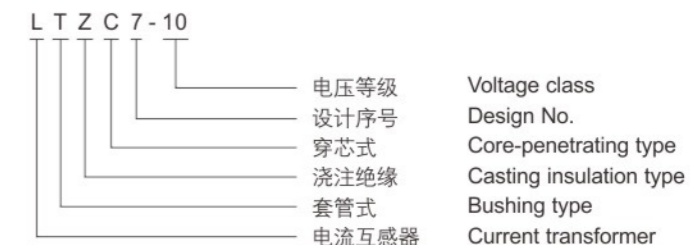
技术参数 Technical data

额定一次电流(A) Rated primary current(A)	准确级及额定负载(VA) Accurate grade and rated load(VA)					双绕组准确级及额定负载(VA) Accurate level and rated load of double windings(VA)				
	0.2S	0.2	0.5	10P20	10P15	10P10	0.2S	0.5	10P15	10P10
50			2.5			2.5				
75			2.5			2.5				
100		2.5	5			2.5				
150		2.5	5		2.5	5	2.5		2.5	
200	2.5	5	7.5	2.5	2.5	5	2.5		2.5	
300	5	7.5	10	2.5	5	7.5	3.75		3.75	
400	5	7.5	10	3.75	5	7.5	4		5	
500	10	15	20	5	7.5	10	5		5	
600	10	15	20	5	7.5	10	5		5	

外形及安装尺寸 Overall dimension drawing



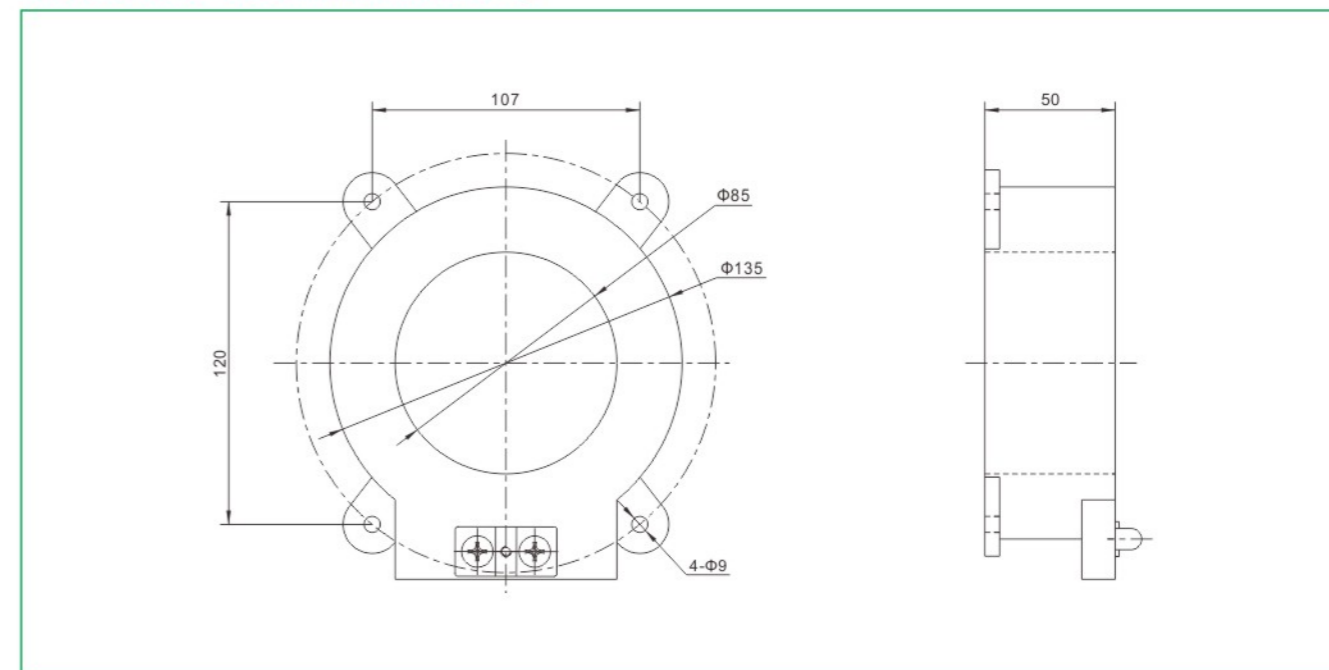
型号含义 Type description



技术参数 Technical data

额定一次电流(A) Rated primary current(A)	准确级及额定负载(VA) Accurate grade and rated load(VA)					双绕组准确级及额定负载(VA) Accurate level and rated load of double windings(VA)				
	0.2S	0.2	0.5	10P20	10P15	10P10	0.2S	0.5	10P15	10P10
50			2.5			2.5				
75			2.5			2.5				
100		2.5	5			2.5				
150		2.5	5		2.5	5	2.5		2.5	
200	2.5	5	7.5	2.5	2.5	5	2.5		2.5	
300	5	7.5	10	2.5	5	7.5	3.75		3.75	
400	5	7.5	10	3.75	5	7.5	4		5	
500	10	15	20	5	7.5	10	5		5	
600	10	15	20	5	7.5	10	5		5	

外形及安装尺寸 Overall dimension drawing





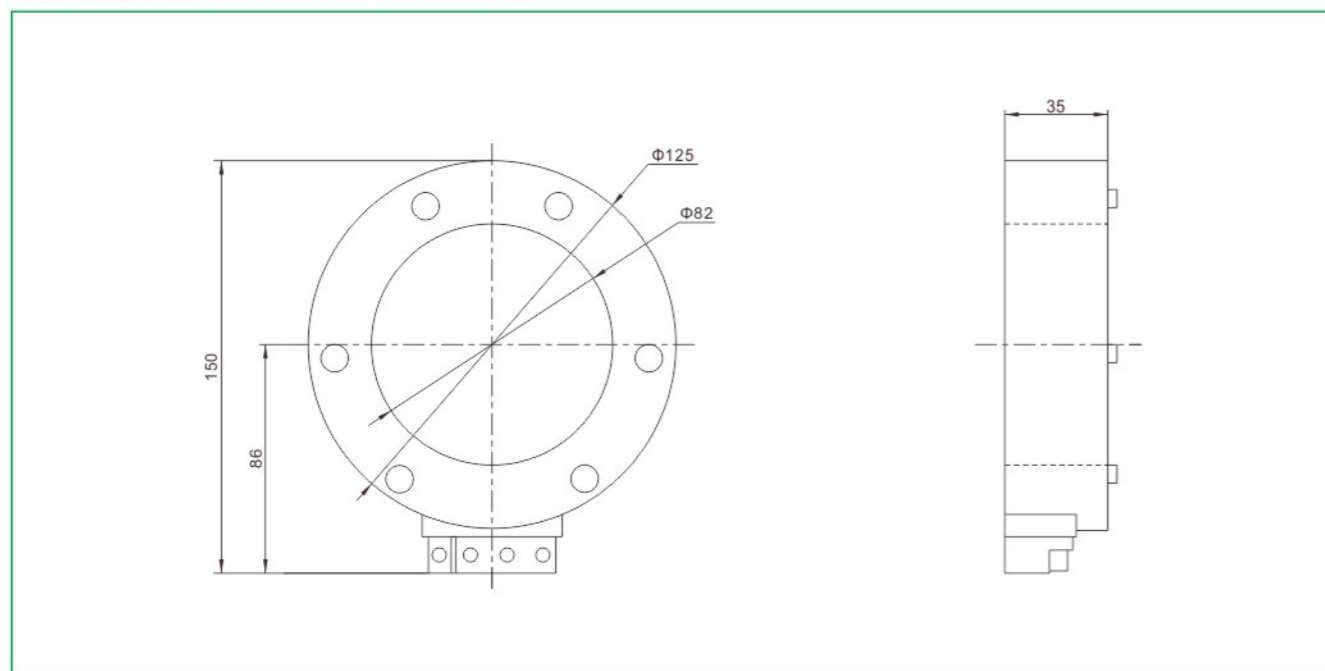
型号含义 Type description



技术参数 Technical data

额定一次电流(A) Rated primary current(A)	准确级及额定负载(VA) Accurate grade and rated load(VA)					
	0.2S	0.2	0.5	10P20	10P15	10P10
100			2.5			2.5
150			2.5			2.5
200			5			3.75
300	2.5	3.75	5		2.5	3.75
400	5	5	7.5		2.5	5
500	5	5	10	2.5	3.75	5
600	5	5	10	2.5	3.75	5

外形及安装尺寸 Overall dimension drawing



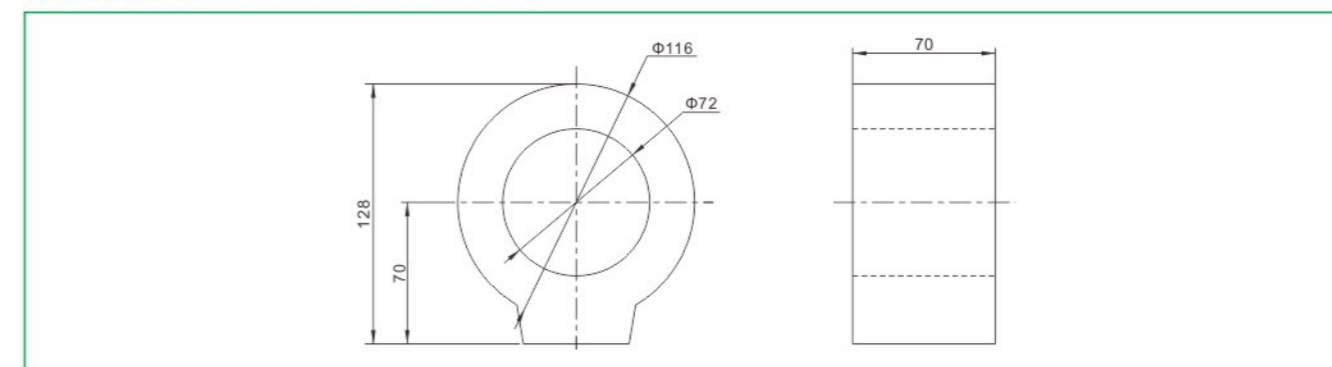
型号含义 Type description



技术参数 Technical data

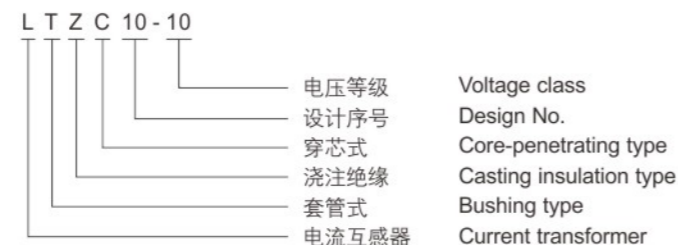
电流比I <sub>1</sub> /I <sub>2</sub> Current ratio I <sub>1</sub> /I <sub>2</sub>	准确级及额定负载(VA) Accurate grade and rated load(VA)						双绕组准确级及额定负载(VA) Accurate level and rated load of double windings(VA)			
	0.2S	0.2	0.5	10P15	10P10	10P5	0.5	1	10P10	10P5
50/1			2.5		1.25	2.5		1		1
75/1			3.75		1.25	2.5		2.5		1.25
100/1			3.75	1.25	1.5	3.75	2.5	3	1.25	2.5
150/1		2.5	5	1.25	2.5	5	3		1.25	2.5
200/1		3.75	5	2.5	3.75	7.5	3.5		2.5	5
300/1	2.5	5	7.5	3.75	5	10	5		2.5	5
400/1	5	7.5	10	5	7.5	15	5		5	
500/1	7.5	10		7.5	10	20	7.5		7.5	
600/1	10	12.5		7.5	10	20	10		10	
50/5			1.5			1.5		1.5		2
75/5			2.5		1.5	2.5	2.5	2.5	1.5	3
100/5			2.5		2.5	5	2.5	5	2	3.75
150/5			2.5	2.5	2.5	5	2.5	5	2.5	5
200/5		2.5	5	3.75	5	10	2.5		3.75	7.5
300/5		5	7.5	5	5	10	5		2.5	10
400/5	2.5	5	10	5	7.5	15	5		2.5	
500/5	5	7.5	15	7.5	10	20	7.5		3.75	
600/5	5	10	20	7.5	10	20	10		5	

外形及安装尺寸 Overall dimension drawing





型号含义 Type description

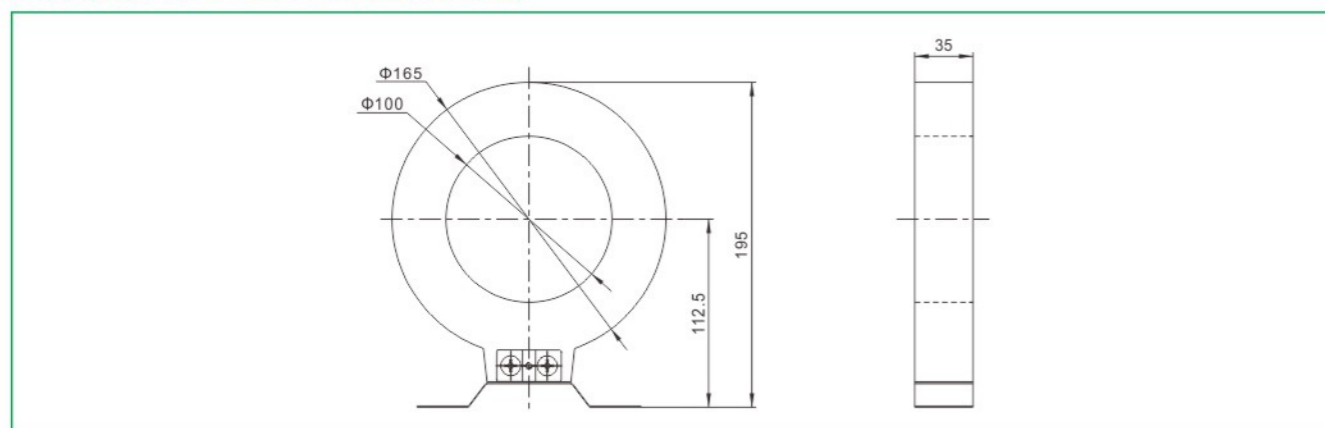


L T Z C 10 - 10  
电压等级 Voltage class  
设计序号 Design No.  
穿芯式 Core-penetrating type  
浇注绝缘 Casting insulation type  
套管式 Bushing type  
电流互感器 Current transformer

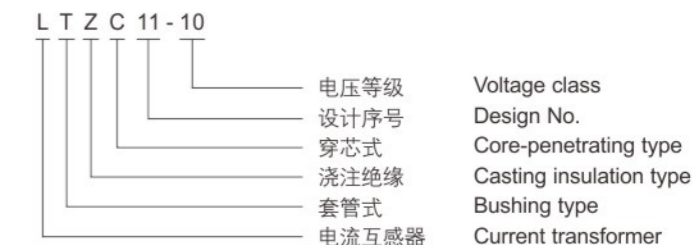
技术参数 Technical data

额定一次电流(A) Rated primary current(A)	准确级及额定负载(VA) Accurate grade and rated load(VA)						
	0.2S	0.2	0.5	1	10P15	10P10	10P5
50/1			1	1.5			1.5
75/1			2	2.5			2
100/1			2.5	3.5		1.25	2.5
200/1			3	5	1.5	2.5	5
300/1		2.5	3.5		2.5	3.75	7.5
400/1	2.5	3.75	5		2.5	5	10
500/1	3.75	5	7.5		3.75	5	10
600/1	5	7.5	10		5	7.5	15
75/5			1.5				1
100/5			2.5	5			2.5
150/5			3.75	5			2.5
200/5			5	7.5		2.5	5
300/5		3.75	7.5		2.5	5	10
400/5	2.5	5	10		3.5	5	10
500/5	5	7.5	10		4	6.25	12.5
600/5	5	10	12.5		5	7.5	15

外形及安装尺寸 Overall dimension drawing



型号含义 Type description

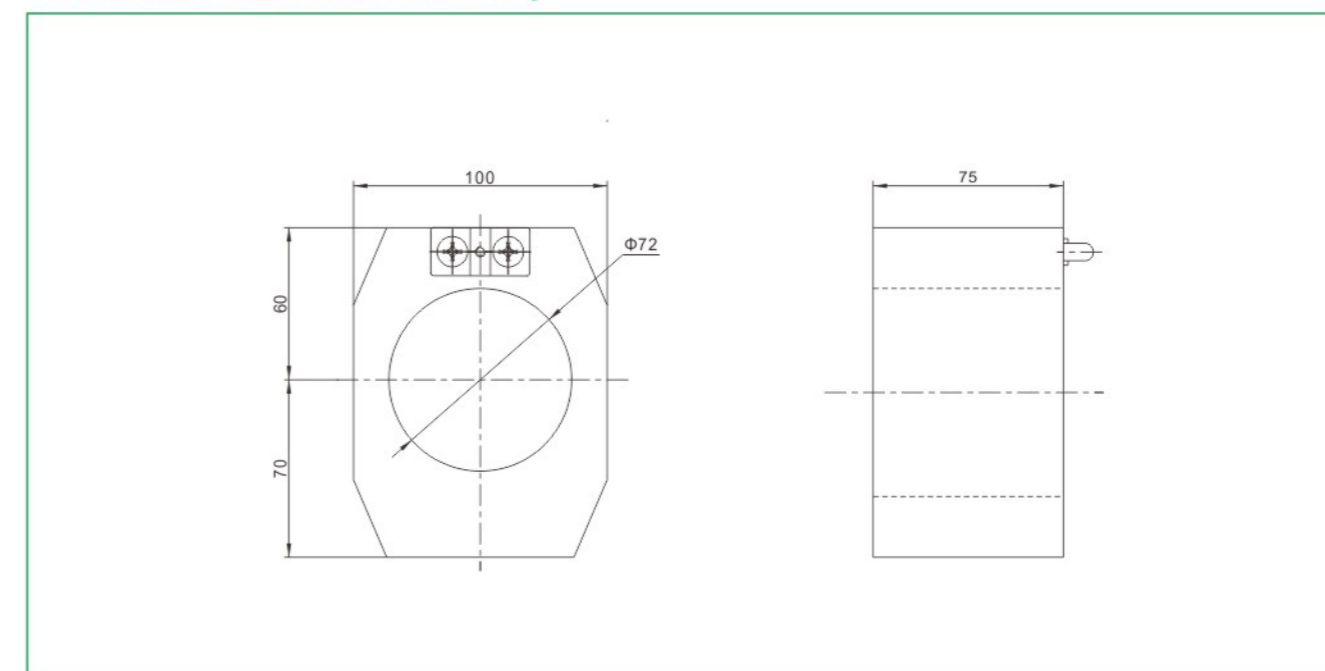


L T Z C 11 - 10  
电压等级 Voltage class  
设计序号 Design No.  
穿芯式 Core-penetrating type  
浇注绝缘 Casting insulation type  
套管式 Bushing type  
电流互感器 Current transformer

技术参数 Technical data

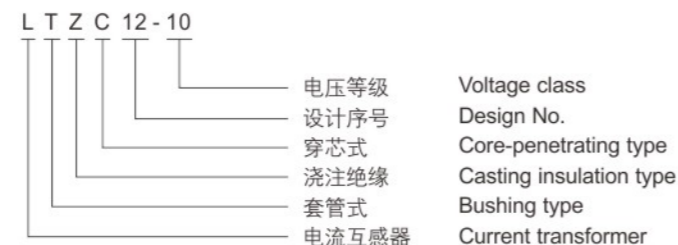
用途 Use	测量电流互感器 Measuring current transformer				保护电流互感器 Protection current transformer		
	准确级及额定负载(VA) Accurate grade and rated load(VA)				双绕组准确级及额定负载(VA) Accurate level and rated load of double windings (VA)		
电流比I <sub>1</sub> /I <sub>2</sub> Current ratio I <sub>1</sub> /I <sub>2</sub>	0.2S	0.2	0.5	1	10P15	10P10	10P5
100/5				2.5			1.5
150/5			2.5	3.75			2
200/5			2.5				3.5
300/5		2.5	5			2.5	5
400/5		2.5	5		2.5	3.75	7.5
500/5	2.5	5	7.5		3	5	10
600/5	2.5	5	10		3.75	5	10

外形及安装尺寸 Overall dimension drawing





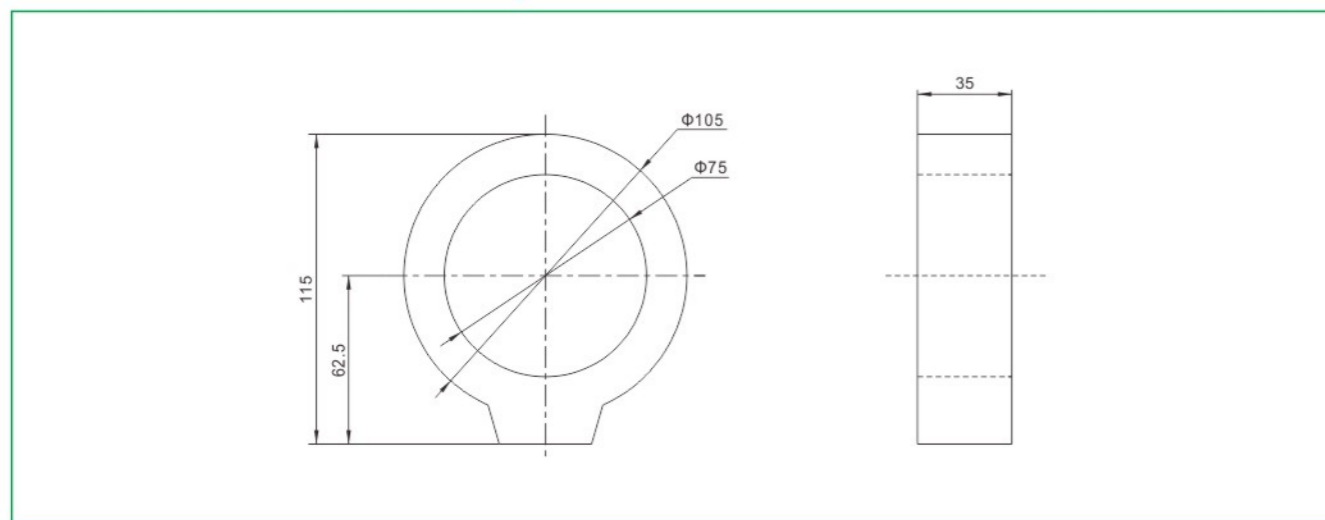
型号含义 Type description



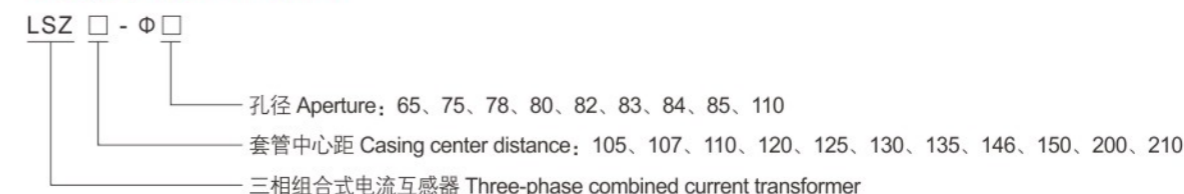
技术参数 Technical data

用途 Use	测量电流互感器 Measuring current transformer				保护电流互感器 Protection current transformer		
	准确级及额定负载(VA) Accurate grade and rated load(VA)				双绕组准确级及额定负载(VA) Accurate level and rated load of double windings (VA)		
电流比I <sub>1</sub> /I <sub>2</sub> Current ratio I <sub>1</sub> /I <sub>2</sub>	0.2S	0.2	0.5	1	10P15	10P10	10P5
100/5				2.5			1.5
150/5			2.5	3.75			2
200/5			2.5				3.5
300/5		2.5	5			2.5	5
400/5		2.5	5		2.5	3.75	7.5
500/5	2.5	5	7.5		3	5	10
600/5	2.5	5	10		3.75	5	10

外形及安装尺寸 Overall dimension drawing



型号含义 Type description



概述 Summary

LSZ型三相一体式电流互感器适合安装在环网开关柜和主柱上开关的三相套管上，用于三相电流和零序电流的测量和保护，也可用于多根电缆回路的零序电流的测量和保护。

该系列零序电流互感器的铁芯和二次绕组采用优质环氧树脂真空浇注在可燃的塑料壳体内，防潮，性能稳定、无需维护。

LSZ three-phase integrated current transformer is suitable to be installed on the three-phase bushing of the ring switch cabinet and the switch on the main column, which is used for the measurement and protection of three-phase current and zero-sequence current, and can also be used for the measurement and protection of zero-sequence current of multiple cable circuits.

The iron core and secondary winding of this series of zero-sequence current transformers are vacuum-cast with high-quality epoxy resin in a flame-retardant plastic shell, which is moisture-proof, stable in performance and maintenance-free.

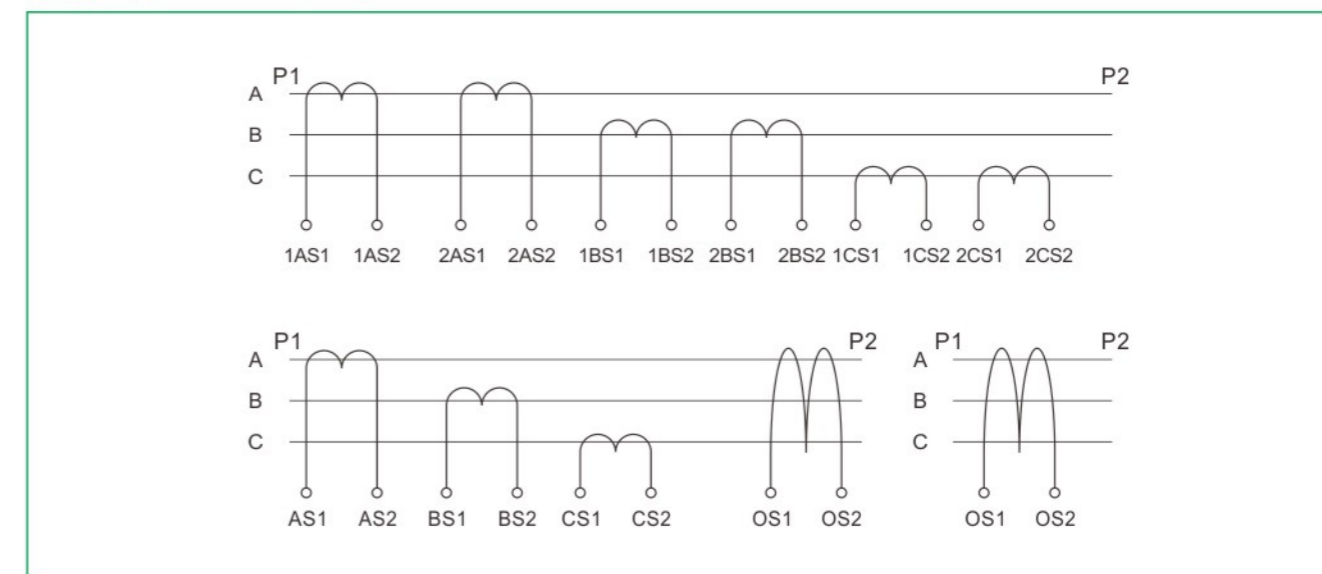
使用条件 Conditions of use

- 环境温度: -35℃~+55℃
- 日平均温度: ≤40℃
- 海拔高度: ≤3000m
- 大气条件: 大气中无严重污秽
- Ambient temperature: -35℃~+55℃;
- Daily mean temperature: ≤40℃;
- Altitude: ≤3000m;
- Atmospheric conditions: There is no serious pollution in the atmosphere.

技术参数 Technical data

- 额定频率: 50Hz/60Hz;
- 额定二次电流: 5A/1A;
- 工频耐压: 3kV/1min;
- 额定扩大电流: 120%I<sub>n</sub>;
- 执行标准: GB20840.2-2014。
- P2表示一次极性端, S1、S2表示二次极性端; P2和S2为同名端(减极性)。
- Rated frequency: 50Hz/60Hz;
- Rated secondary current: 5A/1A;
- Power frequency withstand voltage: 3kV/1min;
- Rated expanded current: 120%I<sub>n</sub>;
- Implementation standard: GB20840.2-2014.
- P2 represents the primary polarity end, and S1 and S2 represent the secondary polarity end. P2 and S2 are ends with the same name (minus polarity).

接线原理图 Elementary diagram



LSZ系列AC两相电流互感器 LSZ series AC two-phase current transformer

用途 Use	测量电流互感器 Measuring current transformer			保护电流互感器 Protection current transformer			双绕组电流互感器 Double winding current transformer			
	准确级及额定负载(VA) Accurate grade and rated load(VA)						复合准确级及额定负载(VA) Composite accurate grade and rated load(VA)			
	0.5	1	3	10P20	10P15	10P10	0.5	1	10P10	10P5
100	2.5				1.5	3.75				
150	3.75				2.5	5				
200	5				2.5	7.5	2.5			2.5
300	7.5				3.75	10	2.5		2.5	5
400	10			2.5	5	15	2.5		2.5	7.5
500	10			2.5	5	15	2.5		3.75	10
600	10			2.5	7.5	20	5		3.75	10
800	10			2.5	7.5	20	5		5	15

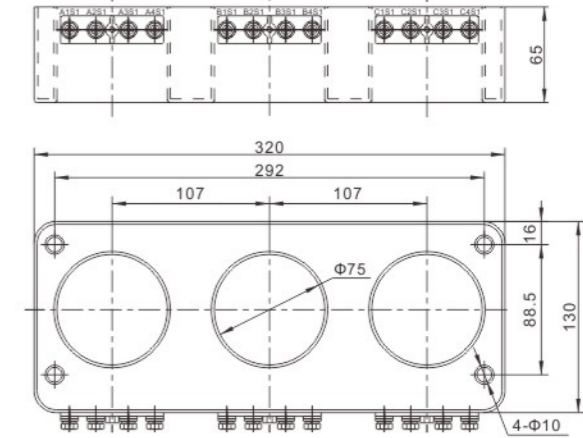
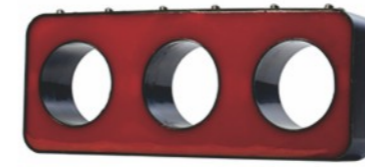
LSZ系列三相电流互感器 LSZ series three-phase current transformer

用途 Use	测量电流互感器 Measuring current transformer			保护电流互感器 Protection current transformer			双绕组电流互感器 Double winding current transformer			
	准确级及额定负载(VA) Accurate grade and rated load(VA)						复合准确级及额定负载(VA) Composite accurate grade and rated load(VA)			
	0.5	1	3	10P15	10P10	10P5	0.5	1	10P10	10P5
100	2.5	5	7.5		1.5	2.5		2.5		2.5
150	2.5	5	7.5		2.5	3.75		3.75		2.5
200	3.75	5	10		2.5	5	2.5			
300	5	7.5			3.75	7.5	2.5			
400	10			2.5	5	10	2.5		2.5	5
500	10			2.5	5	10	3.75		2.5	5
600	10			5	10	15	5		5	10
800	15			5	10	15	5		5	10

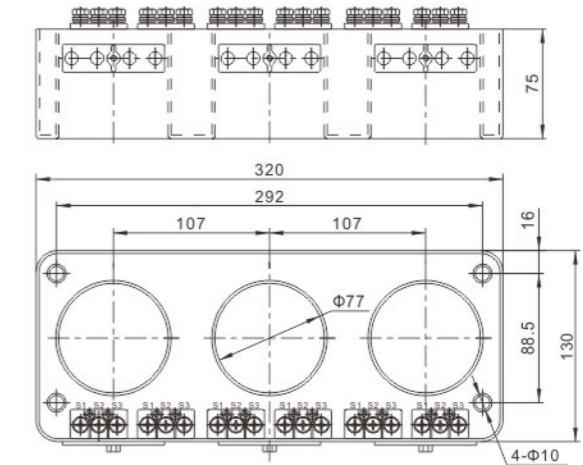
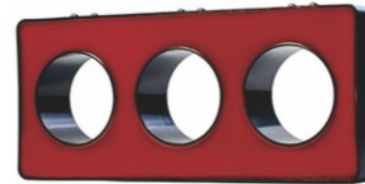
LSZ系列零序电流互感器 LSZ series zero sequence current transformer

用途 Use	零序电流互感器 Zero sequence current transformer	
	准确级及额定负载(VA) Accurate grade and rated load(VA)	
	3	10P
20/1	0.5	0.5
30/1	0.5	0.5
50/1	0.5	0.5
100/1	1	1
50/5	1.5	1.5
75/5	2.5	2.5
100/5	2.5	2.5
150/5	2.5	2.5

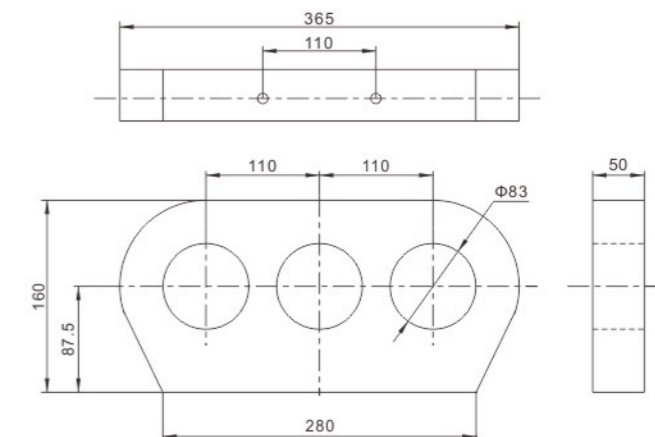
LSZ107-75 三相一体电流互感器 LSZ107-75 Three-phase integrated current transformer



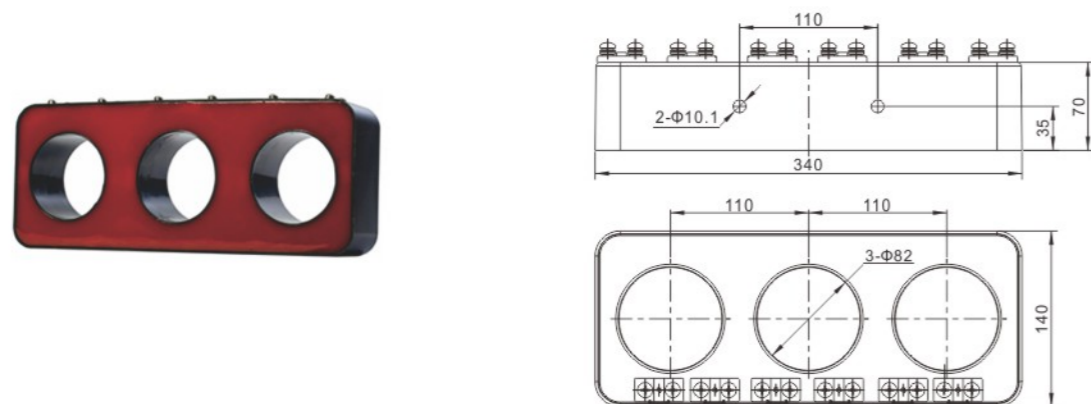
LSZ107-78 三相一体电流互感器 LSZ105-83 Three-phase integrated current transformer



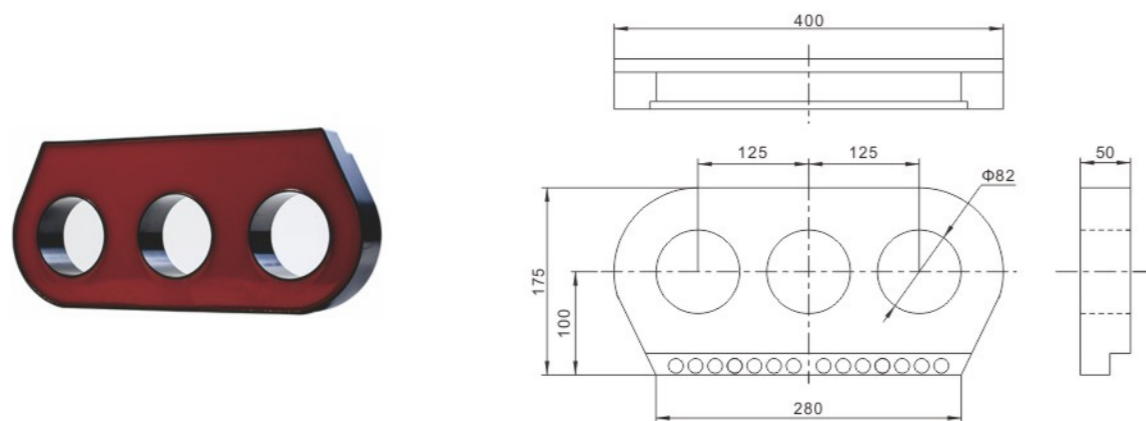
LSZ110-83(I) 三相一体电流互感器 LSZ110-83(I) Three-phase integrated current transformer



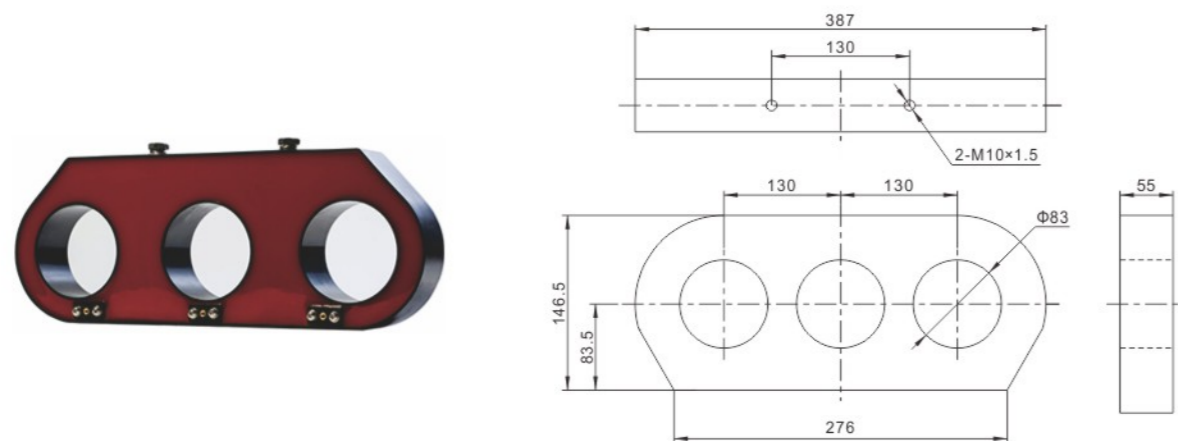
LSZ110-80 三相一体电流互感器 LSZ110-80 Three-phase integrated current transformer



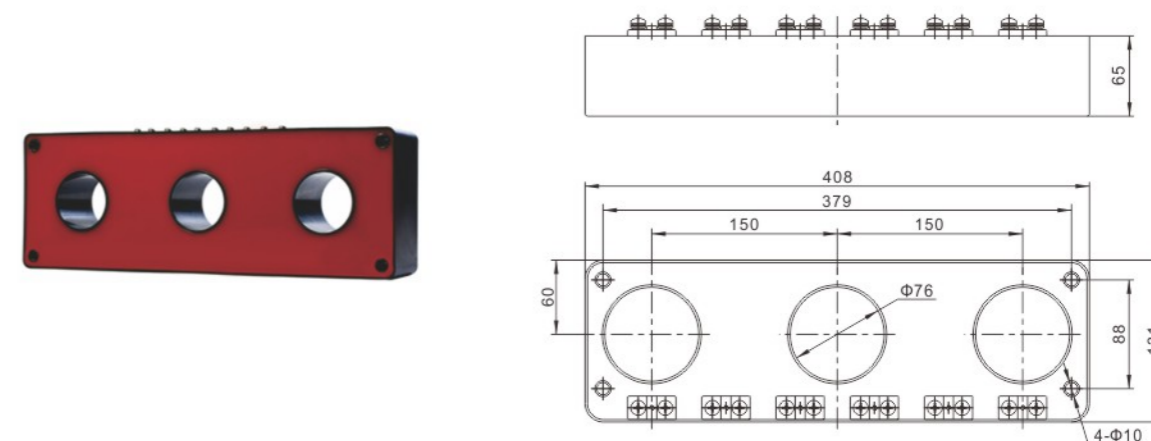
LSZ125-82 三相一体电流互感器 LSZ105-83 Three-phase integrated current transformer



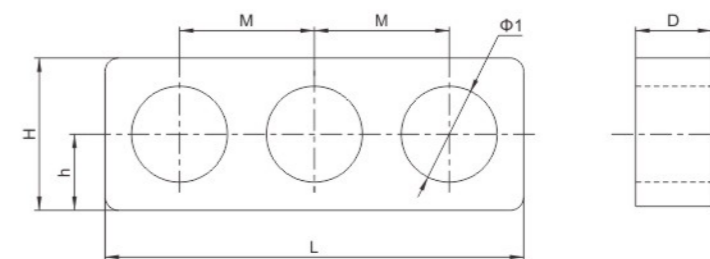
LSZ130-83 三相一体电流互感器 LSZ130-83 Three-phase integrated current transformer



LSZ150-65 三相一体电流互感器 LSZ150-65 Three-phase integrated current transformer



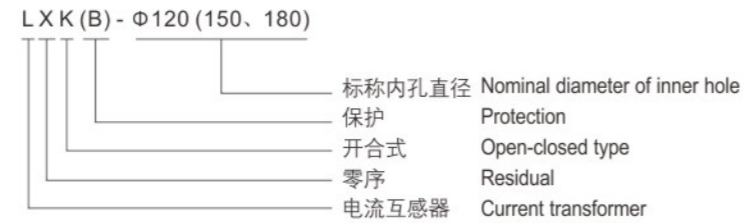
外形尺寸 External dimensions



型号 Model	M (mm)	Φ1 (mm)	D (mm)	H (mm)	h (mm)	L (mm)
LSZ105-78	105	78	65	125	54	320
LSZ107-75	107	75	65	128	64	322
LSZ107-83	107	83	60	150	73.5	340
LSZ107-83(I)	110	83	50	160	87.5	365
LSZ107-83(II)	110	83	50	160	87	338
LSZ110-80	110	80	65	150	75	342
LSZ110-85	110	85	110	160	90	360
LSZ120-83	120	83	60	162	92	380
LSZ125-82	125	82	50	175	100	400
LSZ130-78	130	78	65	170	100	400
LSZ130-83	130	83	55	146.5	83.5	387
LSZ135-83(I)	135	83	57	184	100	440
LSZ135-83(II)	135	83	75	184	100	440
LSZ135-83(III)	135	83	70	184	100	440
LSZ135-110(I)	135	110	80	188	100	446
LSZ135-110(II)	135	110	85	180	100	430
LSZ146-84	146	84	55	164	90	440
LSZ150-65	150	65	85	157	78.5	457



型号含义 Type description



技术参数 Technical data

LXK-Φ120型技术参数 1: 零序保护使用 LXK-Φ120 type technical data 1: for residual protection 表1 Table 1

型号 Type	变比 Transformation ratio (A)	继电器型号 Relay type	继电器线圈连接方式 Connection type of relay coil	继电器刻度值 Relay scale value	使继电器动作的一次剩余电流 Primary residual current of relay acting (A)	重量 Weight (kg)
LXK-Φ120	60/1	DD-11/60	串联 Series connection	15 x 1 30 x 1	2.4-4.5	4.5
			并联 Parallel connection	15 x 2 30 x 2		
			串联 Series connection	15 x 1 30 x 1		
		DD-1/60	并联 Parallel connection	15 x 2 30 x 2	3-5	
			串联 Series connection	15 x 1 30 x 1	3-5	
			并联 Parallel connection	15 x 2 30 x 2	3-6	

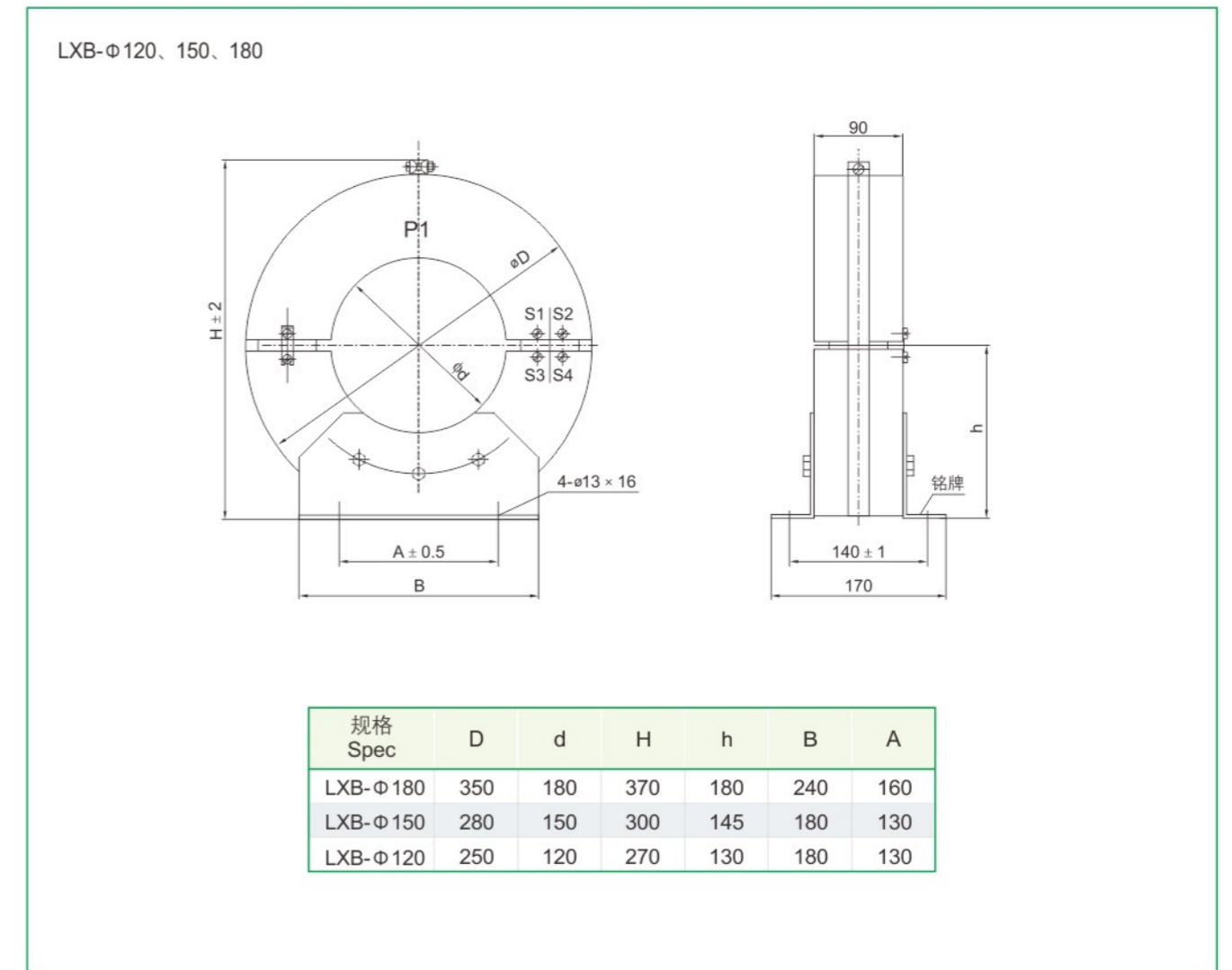
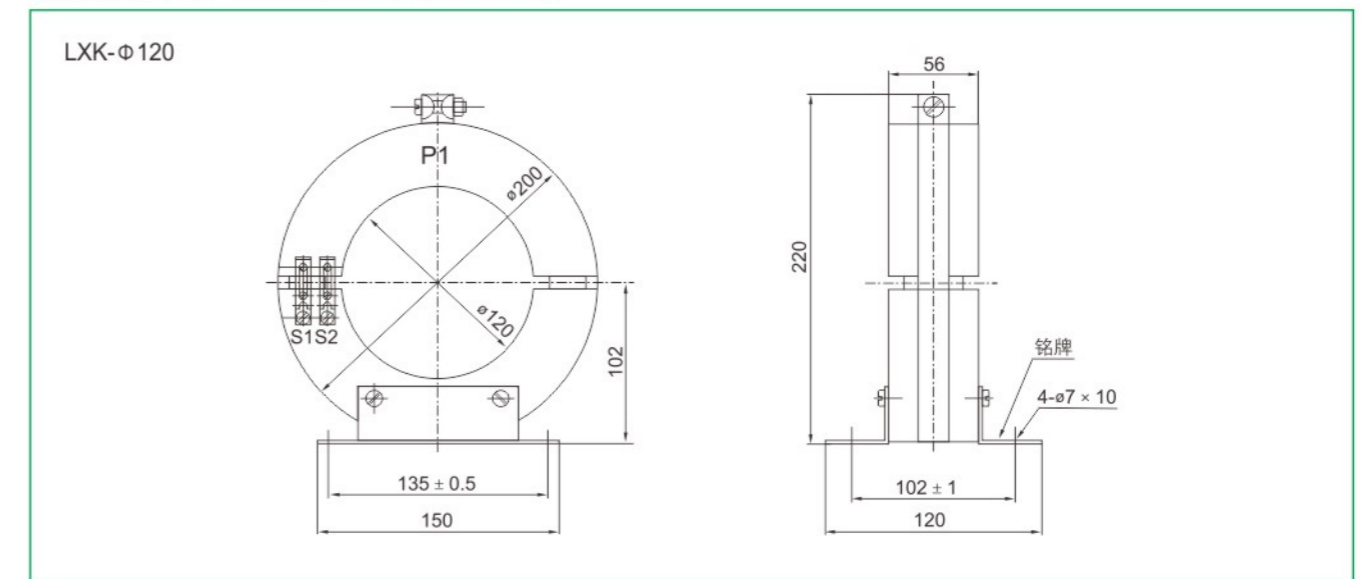
LXK-Φ120型技术参数 2: 配微机保护使用 LXK-Φ120 type technical data 2: mating with microcomputer protection 表2 Table 2

变比 Transformation ratio (A)	准确级 Accuracy class	额定输出(VA) Rated output
60/1	5P10	1.0
75/1		1.5
100/1		2.5
150/1		2.5
200/1		3.75
300/1		7.5
150/1		2.0
200/1		2.5
300/1		5
400/1		10
500/1		12.5
600/1		15

LXB-Φ120、LXB-Φ150、LXB-Φ180型技术参数 3 LXK-Φ120、LXB-Φ150、LXB-Φ180 type technical data 3 表3 Table 3

型号 Type	出线端标志 Terminal mark	额定电流比 Rated voltage ratio(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary current (A)	继电器型号 Relay type	使继电器动作的一次剩余电流 Primary residual current of relay acting (A)	重量 Weight (kg)
LXB-Φ120	S1-S2	150/5	5P6	15	DD-11/60	3-6	14
	S1-S3	200/5	5P8				
	S1-S4	300/5	5P12				
LXB-Φ150	S1-S2	150/5	5P6	15	DD-11/60	3-6	18
	S1-S3	200/5	5P8				
	S1-S4	300/5	5P12				
LXB-Φ180	S1-S2	150/5	5P10	15	DD-11/60	3-6	29
	S1-S3	200/5	5P15				
	S1-S4	300/5	5P20				

外形及安装尺寸 Overall dimension drawing





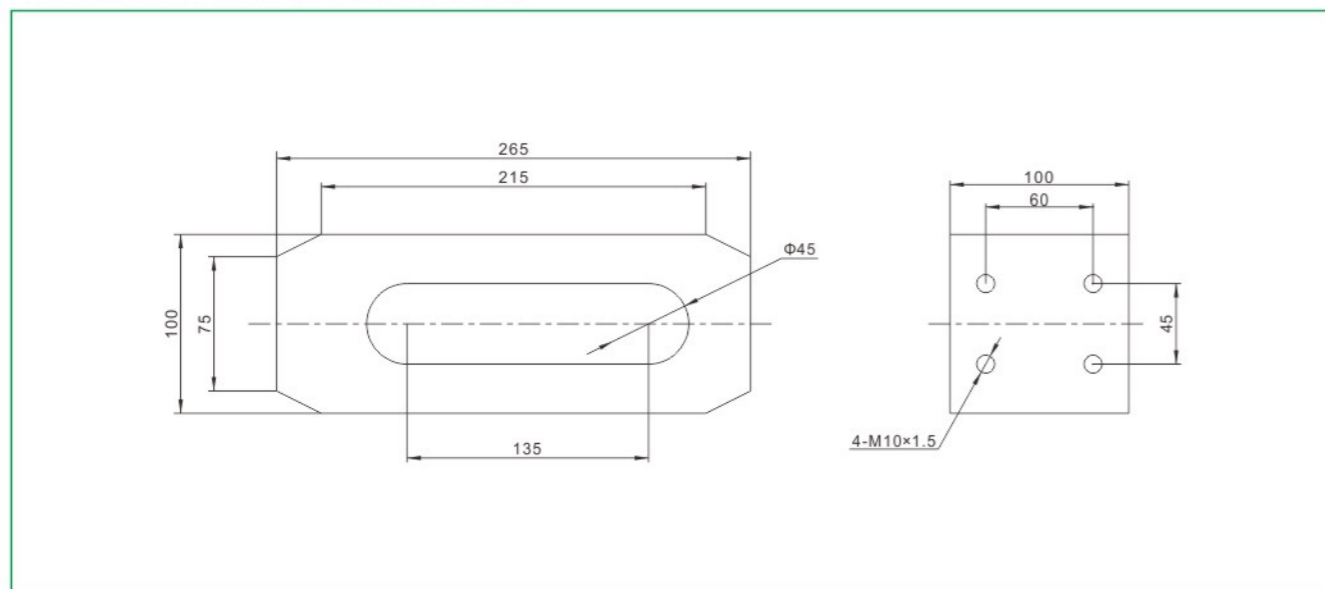
额定电流比、准确级及其额定负载如下表所示，  
额定二次电流5A或1A。

The rated current ratio, accurate level and rated load are shown in the following table.  
And the rated secondary current is 5A or 1A.

技术参数 Technical data

额定一次电流(A) Rated primary current(A)	准确级及额定负载(VA) Accurate grade and rated load(VA)					双绕组准确级及额定负载(VA) Accurate level and rated load of double windings(VA)				
	0.2S	0.2	0.5	10P15	10P10	10P5	0.2S	0.5	10P10	10P5
50			2.5			2.5				
100			3.75		2.5	3.75	2.5			2.5
150			5		2.5	3.75	2.5			2.5
200		2.5	5		2.5	5	2.5			2.5
300		3.75	5	2.5	5	7.5	3.75			3.75
400		5	10	2.5	5	7.5	5	2.5		5
500	5	5	10	2.5	5	10	5	2.5		5
600	5	5	10	3.75	5	10	5	2.5		5
800	5	5	10	5	10	15	7.5	5		7.5
1000	10	15	20	5	10	15	10	5		10
1200	10	15	20	5	10	15	10	5		10

外形及安装尺寸 Overall dimension drawing



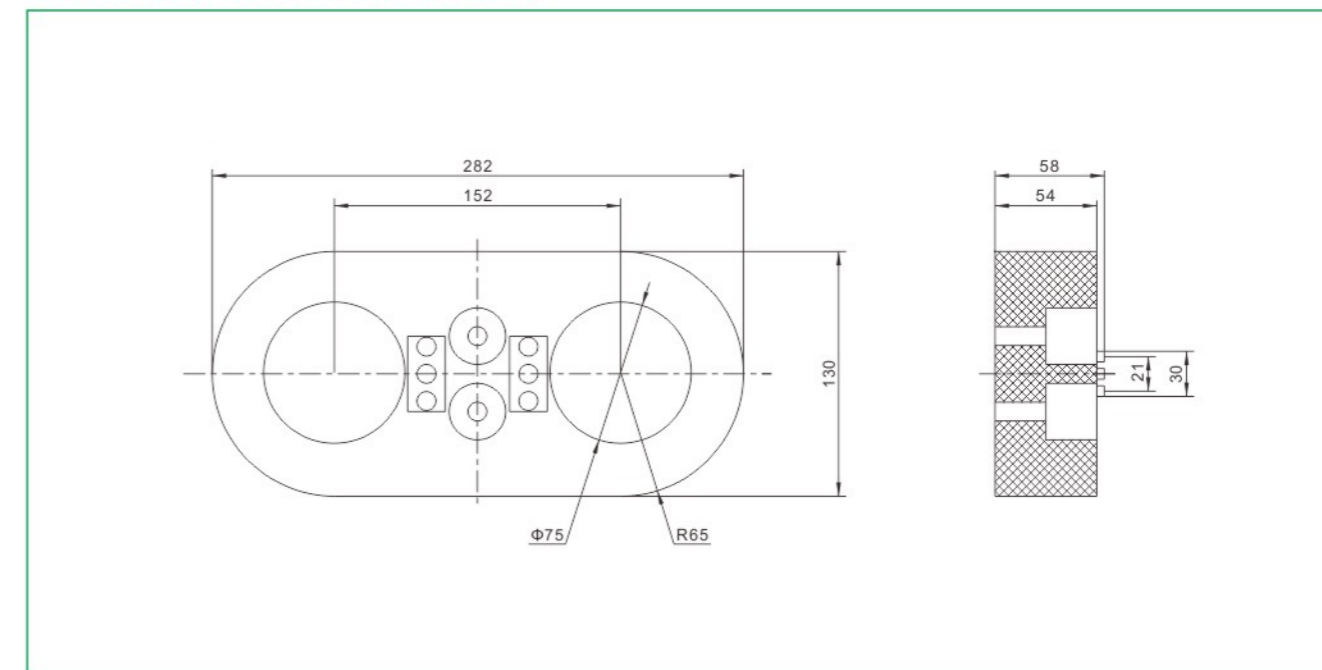
额定电流比、准确级及其额定负载如下表所示。

The rated current ratio, accurate level and rated load are shown in the following table.

技术参数 Technical data

用途 Use	测量电流互感器 Measuring current transformer			保护电流互感器 Protection current transformer		
	准确级及额定负载(VA) Accurate grade and rated load(VA)			双绕组准确级及额定负载(VA) Accurate level and rated load of double windings (VA)		
电流比I <sub>1</sub> /I <sub>2</sub> Current ratio I <sub>1</sub> /I <sub>2</sub>	0.2S	0.2	0.5	10P15	10P10	10P5
250/5		2.5	5		2.5	5
300/5	2.5	5	5		2.5	5
400/5	5	5	10		5	10
500/5	5	10	10		5	10
600/5	5	10	10		5	10
800/5	5	10	10		10	20
1000/5	5	10	10		10	20
1200/5	5	10	10		10	20

外形及安装尺寸 Overall dimension drawing







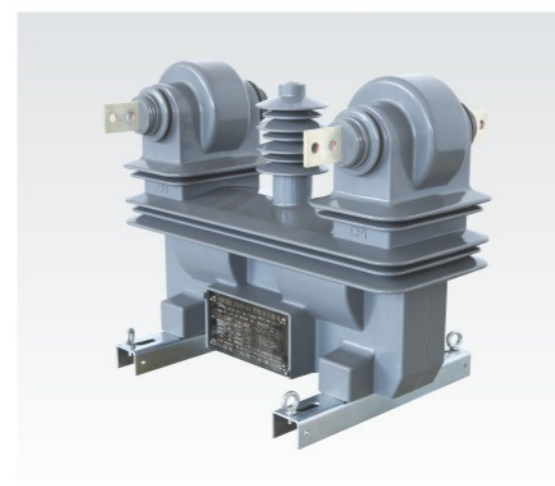
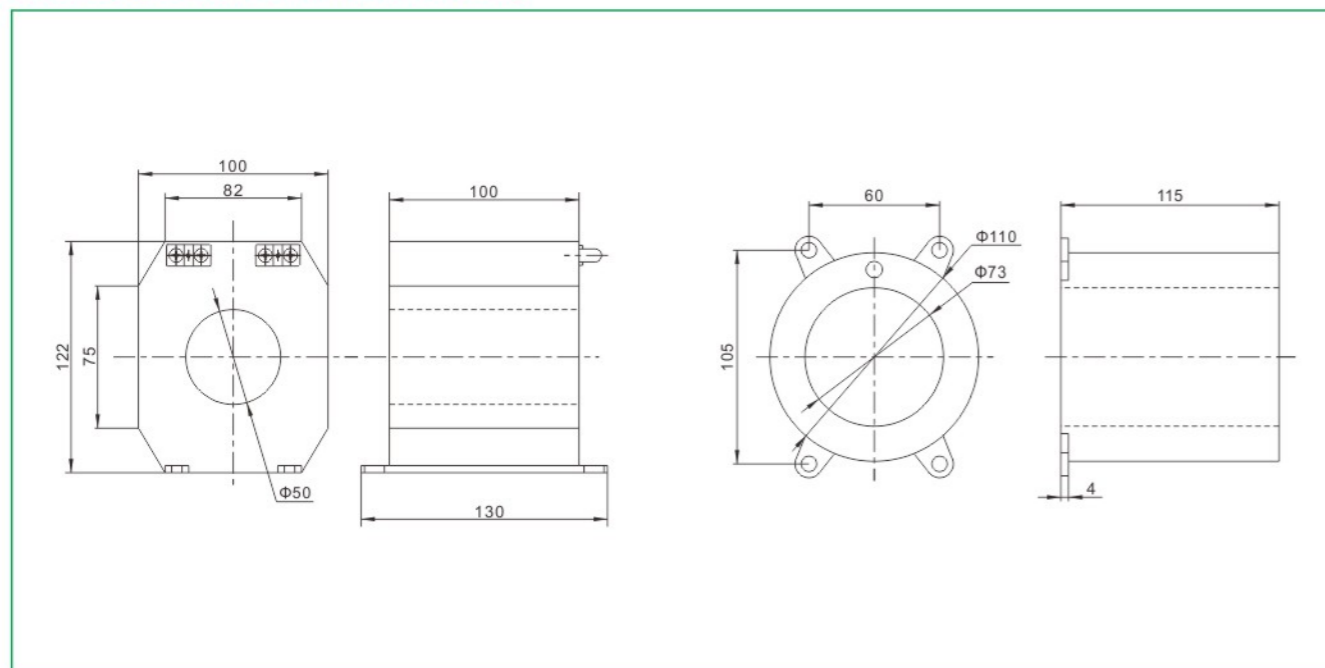
技术参数 Technical data

- 1、产品符合标准 GB20840.2-2014
  - 2、额定电压 0.5kV(可用于10kV-24kV高压电缆系统)
  - 3、额定频率 50Hz或60Hz
  - 4、环境温度 -5℃~+40℃
1. The product meets the standard GB20840.2-2014
  2. The rated voltage is 0.5kV (applicable to 10kV-24kV high-voltage cable system)
  3. The rated frequency is 50Hz or 60Hz
  4. Ambient temperature -5℃~+40℃

技术参数 Technical data

型号 Model	WIC1-W2	WIC1-W3	WIC1-W4	WIC1-W5	WIC1-W6
额定一次电流(A) Rated primary current(A)	14.4-57.6	28.8-115.2	57.6-230.4	115.2-460.8	230.4-921.6
额定二次电流(A) Rated secondary current(A)	0.075-0.3(S1、S2绕组), 0.288-1.152(C、D绕组)				
准确级组合 Accurate level combination	10P80	5P80			
负荷(VA) Load(VA)	0.1				

外形及安装尺寸 Overall dimension drawing



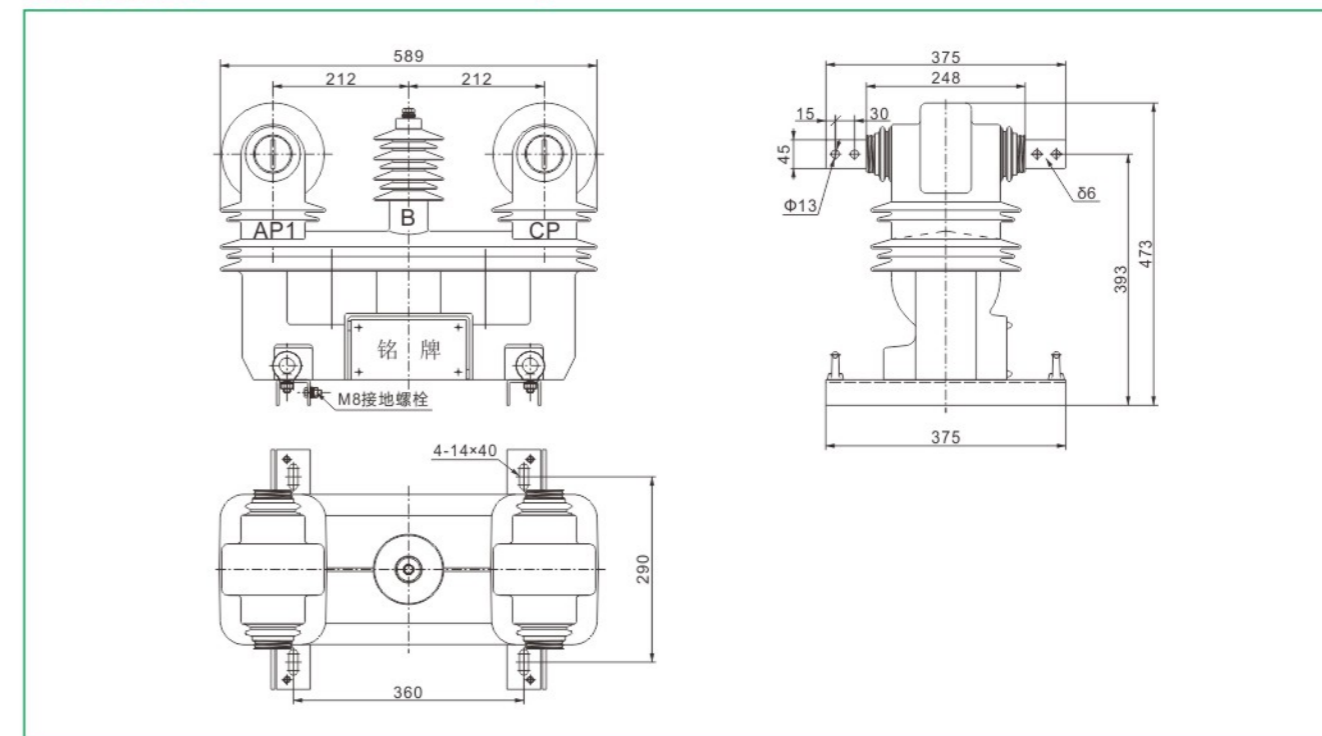
型号含义 Type description

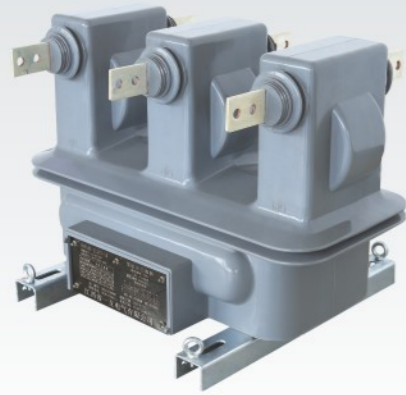


技术参数 Technical data

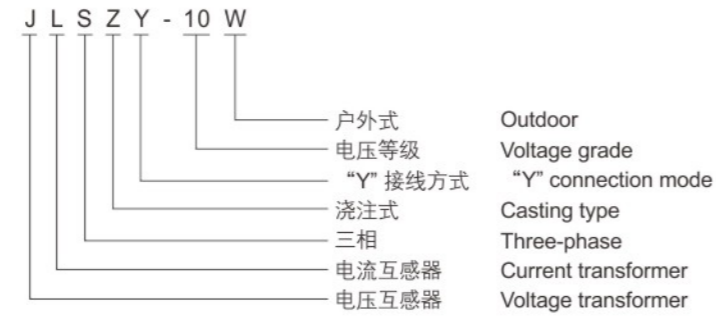
额定电压 Rated voltage (kV)	额定电流比 Rated ratio (A)	准确级组合 Accuracy class combination	准确级及额定输出 Accuracy class and rated output			一秒短时热电流 short-time current (kA/S)	动稳定电流 Rated dynamic current (kA)
			0.2	0.5	10P10		
10	5/5-15/5	0.2	10	15	15	120I1n	300I1n
	20/5-75/5	0.5				220I1n	550I1n
	100/5-200/5	10P10				34	85
	300/5-600/5		65	163			
	额定电压比 Rated ratio (V)	准确级组合 Accuracy class combination	准确级及额定输出 Accuracy class and rated output			测量绕组极限输出 Measurement of Rao group thermal limiting output(VA)	
10000/100	0.2 0.5 1	0.2	0.5	1	300		

外形及安装尺寸 Overall dimension drawing





型号含义 Type description



概述 Summary

本产品适用于交流50Hz, 额定电压10kV三相线路中供电压、电流作电能计量用。

This product is applicable to the exchange of 50Hz, rated voltage 10kV three-phase circuit for voltage, current for electric energy measurement with.

结构简介 Structure Description

1. 本型产品采用特殊的户外材料整体注塑而成,能适应户外风、沙、雨、雪、雾、露、紫外线、温差(-45℃~+65℃)等自然环境,免除了油浸式产品漏油及油劣化、易燃、易爆的缺点,实现无油化,免除了每年油浸产品的预防性试验的麻烦,节约了大量的人力物力。
2. 本产品采用Y/YO结成三相,更适用负荷不平衡甚至是单相负荷、可控调压、整流、逆变、谐波分量大的用户。
3. 本型产品电压互感器加强了一次线圈的端绝缘和层间绝缘及安装电容屏装置,具有耐雷电冲击、操作过电压、谐振过电压、高频过电压、低频过电压等性能。
4. 高、低均有封盖,加强防窃电效果。
5. 电压铁芯均采用进口优质冷轧取向硅钢片生产,电流铁芯采用优质取向硅钢片或合金生产。

1. The 1type of products using a special outdoor materials are formed by integral injection molding, can meet the outdoor wind, sand, rain, snow, fog, dew, ultraviolet radiation, temperature (-45℃ ~+65℃) and other natural environment, eliminates the oil-immersed products oil and oil slightly flammable, explosive, shortcomings, no oil, from the annual oil products of the preventive test of trouble, save a lot of manpower and material resources.
2. This product adopt Y/YO to form three-phase unbalanced load, more suitable or even single phase load, rectifier, inverter, control voltage, all wave large user.
3. Type voltage transformer to strengthen a coil end insulation and insulation and installation of capacitive touch screen device, has the advantages of lightning impulse, operating over voltage, overvoltage, all earthquake of high frequency over voltage, low frequency over voltage performance.
4. High, low have capping, strengthen the anti-theft effect.
5. Voltage core imported high-quality cold rolling silicon steel sheet production, current core adopts the high quality silicon steel or alloy production.

技术参数 Technical data

1. 安装场所: 户外(户内);
2. 环境温度: -45℃~+65℃;
3. 海拔高度: ≤4000米;
4. 额定绝缘水平: 12/24/75kV;
5. 电压互感器感应耐压水平: 28kV或35kV(用户要求时);
6. 产品接线方式: Y/YO;
7. 沿面爬电距离: ≥380mm;
8. 耐过载能力好: 可过载200%(用户要求时);
9. 主要执行标准: GB1207-2006《电压互感器》、GB1208-2006《电流互感器》等;
10. 其他参数如下

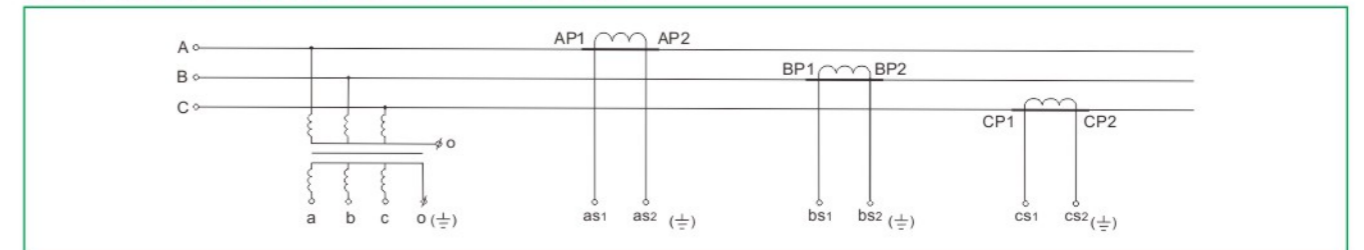
1. Installation of outdoor (indoor);
2. Ambient temperature: -45℃ ~+65℃;
3. Less than 4000meters of altitude;
4. Rated insulation level: 12/24/75kV;
5. Voltage transformer voltage level: 28kV or 35kV (user requirements);
6. Product connection: Y/YO;
7. Creepage distance: ≥ 380mm;
8. Overload resistance ability is good: can overload 200% ( user requirements );
9. Main executive standard: GB1207-2006《voltage transformer current transformer》, GB1208;
10. Other parameters are as follows.

电压互感器部分 Voltage transformer part	电流互感器部分 Electric current transformer part
<ol style="list-style-type: none"> <li>1. 每相电压比: <math>\frac{10}{\sqrt{3}}/\frac{0.1}{\sqrt{3}}</math> kV;</li> <li>2. 准确级: 0.2级;</li> <li>3. 容量(单元件): 15VA;</li> <li>4. 二次负荷功率因数: 0.8</li> </ol>	<ol style="list-style-type: none"> <li>1. 额定一次电流: 1000A及以下;</li> <li>2. 额定二次电流: 1A或5A;</li> <li>3. 准确级: 0.2级或0.2S级;</li> <li>4. 容量(单元件): 10VA;</li> <li>5. 二次负荷功率因数: 0.8;</li> <li>6. 1秒热稳定电流: ≥100倍的额定一次电流;</li> <li>7. 动稳定电流: ≥250倍额定一次电流;</li> </ol>
<ol style="list-style-type: none"> <li>1. Phase voltage ratio: <math>\frac{10}{\sqrt{3}}/\frac{0.1}{\sqrt{3}}</math> kV;</li> <li>2. Class: 0.2grade;</li> <li>3. Volume ( one original ):15VA;</li> <li>4. Two times the load power factor:0.8.</li> </ol>	<ol style="list-style-type: none"> <li>1. Rated primary current: 1000A and below;</li> <li>2. Rated two current: 1A or 5A;</li> <li>3. Level: grade 0.2 or grade 0.2S;</li> <li>4. Volume ( unit: 10VA );</li> <li>5. Two times the load power factor: 0.8;</li> <li>6. 1 seconds over 100times the rated primary current;</li> <li>7. Understand the stable current: ≥250 times rated primary current;</li> </ol>

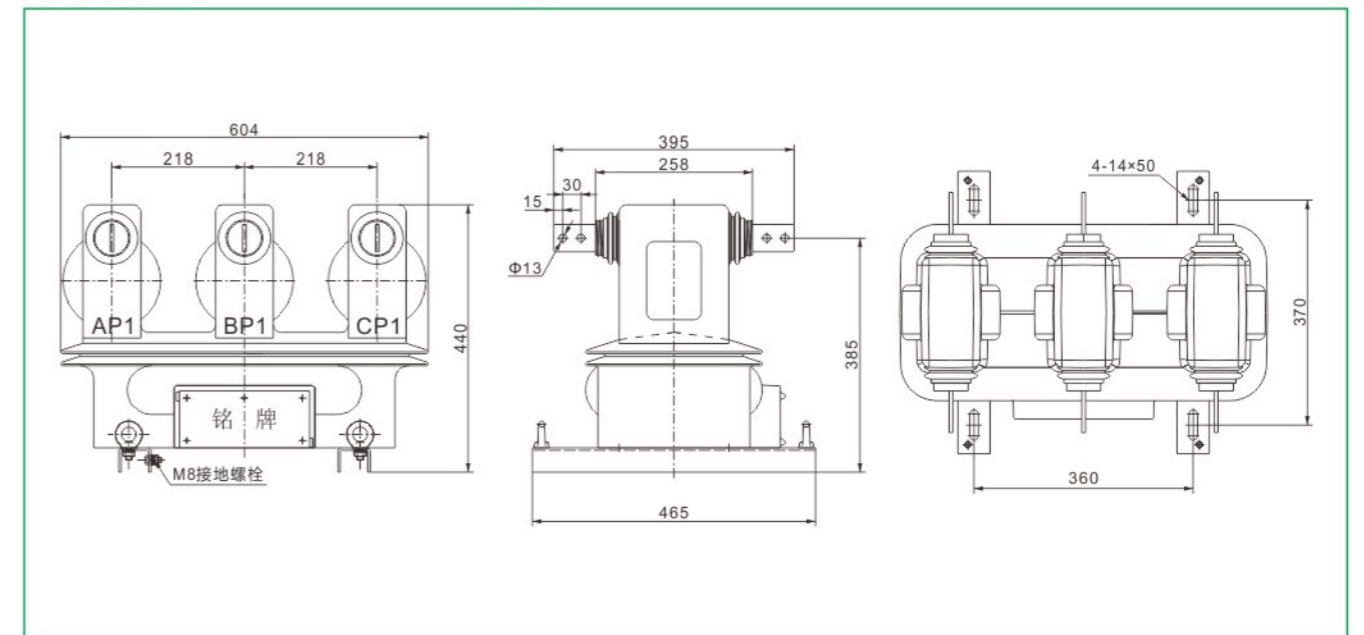
- 注: 1. 产品一次可以为双变比, 但变比的范围宜控制在一倍以内, 如25~50A或30~60A等。  
 2. 另每相电压比可以做成  $\frac{10}{\sqrt{3}}/\frac{0.1}{\sqrt{3}}$  kV, 配合单相电度表(相电压为220V)使用。  
 3. 可提供6kV电压等级产品, 外形尺寸不变。  
 4. 顾客如有其他要求(如动热稳定、容量、功率因数、过载等方面), 可与我公司技术部协商后确定。

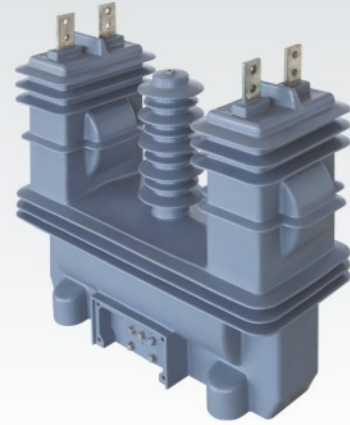
- Note: 1. Products for the double transformation ratio, but the ratio should be controlled within a range of times, such as 25-50A or 30-60A.  
 2. From each phase voltage ratio can be made with  $\frac{10}{\sqrt{3}}/\frac{0.1}{\sqrt{3}}$  kV, single-phase watt-hour meter (phase voltage of 220V) using.  
 3. May provide 6kV voltage grade products, changing the outline dimension.  
 4. Customers such as other requirements (such as dynamic and thermal stability, capacity, power factor, etc., can overload) in our technical department determined after consultation.

典型电气原理图 Typical electrical schematic diagram

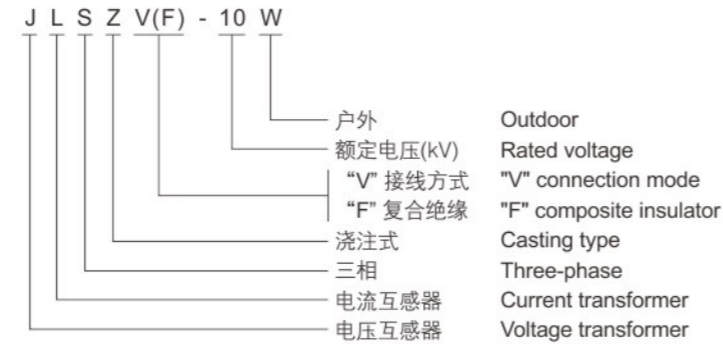


外形及安装尺寸 Overall dimension drawing





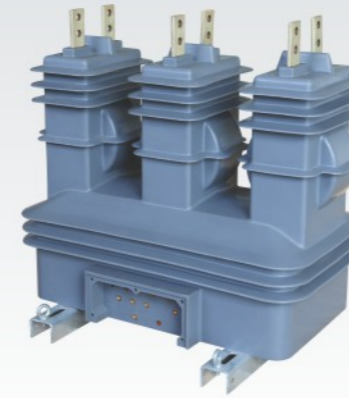
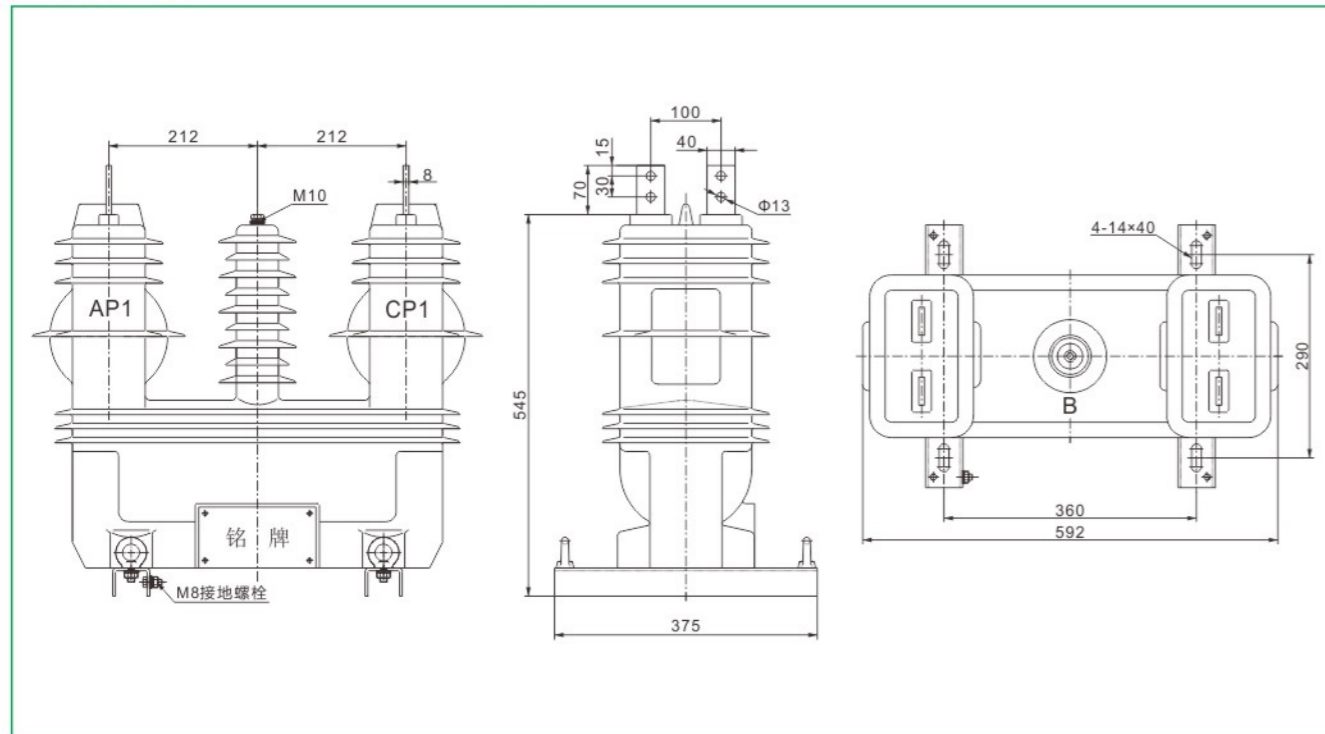
型号含义 Type description



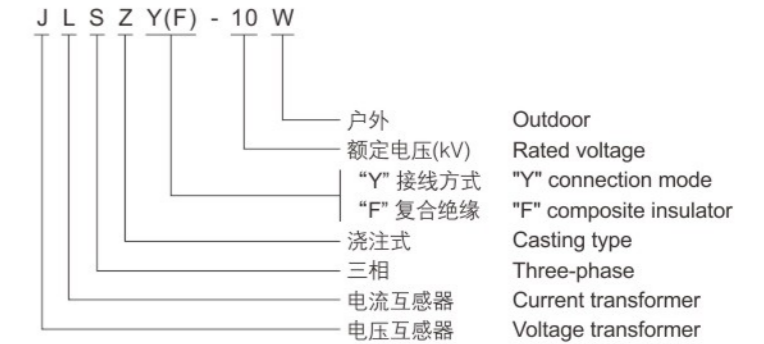
技术参数 Technical data

额定电压 Rated voltage (kV)	额定电流比 Rated ratio (A)	准确级组合 Accuracy class combination	准确级及额定输出 Accuracy class and rated output			一秒短时热电流 short-time current (kA/S)	动稳定电流 Rated dynamic current (kA)
			0.2	0.5	10P10		
10	5/5-15/5	0.2	10	15	15	120I1n	300I1n
	20/5-75/5	0.5				220I1n	550I1n
	100/5-200/5	10P10				34	85
	300/5-600/5					65	163
	额定电压比 Rated ratio (V)	准确级组合 Accuracy class combination	准确级及额定输出 Accuracy class and rated output			测量绕组极限输出 Measurement of Rao group thermal limiting output(VA)	
10000/100	0.2 0.5 1	0.2	0.5	1	300		

外形及安装尺寸 Overall dimension drawing



型号含义 Type description



概述 Summary

本产品适用于交流50Hz, 额定电压10kV三相线路中供电压、电流作电能计量用。

This product is applicable to the exchange of 50Hz, rated voltage 10kV three-phase circuit for voltage, current for electric energy measurement with.

结构简介 Structure Description

- 1、本产品采用特殊的户外材料整体注塑而成,能适应户外风、沙、雨、雪、雾、露、紫外线、温差(-45℃~+65℃)等自然环境,免除了油浸式产品漏油及油劣化、易燃、易爆的缺点,实现无油化,免除了每年油浸产品的预防性试验的麻烦,节约了大量的人力物力。
- 2、本产品采用Y/YO结成三相,更适用负荷不平衡甚至是单相负荷、可控调压、整流、逆变、谐波分量大的用户。
- 3、本产品电压互感器加强了一次线圈的端绝缘和层间绝缘及安装电容屏装置,具有耐雷电冲击、操作过电压、谐振过电压、高频过电压、低频过电压等性能。
- 4、高、低均有封盖,加强防窃电效果。
- 5、电压铁芯均采用进口优质冷轧取向硅钢片生产,电流铁芯采用优质取向硅钢片或合金生产。

1. The 1type of products using a special outdoor materials are formed by integral injection molding, can meet the outdoor wind, sand, rain, snow, fog, dew, ultraviolet radiation, temperature (-45℃ ~+65℃) and other natural environment, eliminates the oil-immersed products oil and oil slightly flammable, explosive, shortcomings, no oil, from the annual oil products of the preventive test of trouble, save a lot of manpower and material resources.
2. This product adopt Y/YO to form three-phase unbalanced load, more suitable or even single phase load, rectifier, inverter, control voltage, all wave large user.
3. Type voltage transformer to strengthen a coil end insulation and insulation and installation of capacitive touch screen device, has the advantages of lightning impulse, operating over voltage, overvoltage, all earthquake of high frequency over voltage, low frequency over voltage performance.
4. High, low have capping, strengthen the anti-theft effect.
5. Voltage core imported high-quality cold rolling silicon steel sheet production, current core adopts the high quality silicon steel or alloy production.

技术参数 Technical data

- 1、安装场所: 户外(户内);
- 2、环境温度: -45℃~+65℃;
- 3、海拔高度: ≤4000米;
- 4、额定绝缘水平: 12/24/75kV;
- 5、电压互感器感应耐压水平: 28kV或35kV(用户要求时);
- 6、产品接线方式: Y/YO;
- 7、沿面爬电距离: ≥380mm;
- 8、耐过载能力好: 可过载200%(用户要求时);
- 9、主要执行标准: GB1207-2006《电压互感器》、GB1208-2006《电流互感器》等;
- 10、其他参数如下

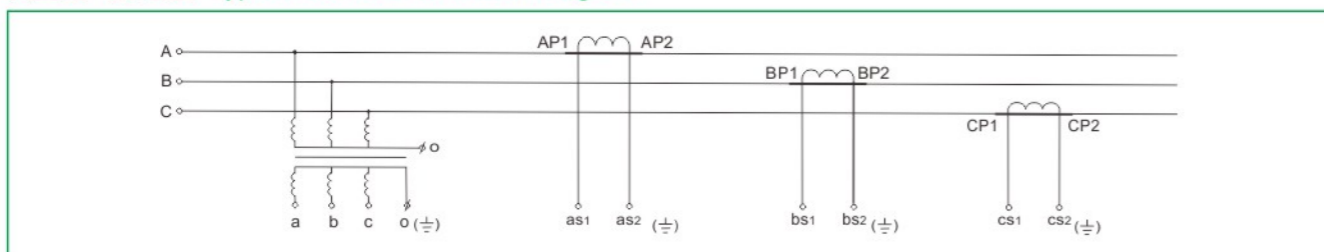
1. Installation of outdoor (indoor);
2. Ambient temperature: -45℃ ~+65℃;
3. Less than 4000meters of altitude;
4. Rated insulation level: 12/24/75kV;
5. Voltage transformer voltage level: 28kV or 35kV (user requirements);
6. Product connection: Y/YO;
7. Creepage distance: ≥ 380mm;
8. Overload resistance ability is good: can overload 200% (user requirements);
9. Main executive standard: GB1207-2006《voltage transformer current transformer》, GB1208;
10. Other parameters are as follows.

电压互感器部分 Voltage transformer part	电流互感器部分 Electric current transformer part
1. 每相电压比: $\frac{10}{\sqrt{3}}/\frac{0.1}{\sqrt{3}}$ kV; 2. 准确级: 0.2级; 3. 容量(单元件): 15VA; 4. 二次负荷功率因数: 0.8 1. Phase voltage ratio: $\frac{10}{\sqrt{3}}/\frac{0.1}{\sqrt{3}}$ kV; 2. Class: 0.2 grade; 3. Volume (one original): 15VA; 4. Two times the load power factor: 0.8.	1. 额定一次电流: 1000A及以下; 2. 额定二次电流: 1A或5A; 3. 准确级: 0.2级或0.2S级; 4. 容量(单元件): 10VA; 5. 二次负荷功率因数: 0.8; 6. 1秒热稳定电流: $\geq 100$ 倍的额定一次电流; 7. 动稳定电流: $\geq 250$ 倍额定一次电流; 1. Rated primary current: 1000A and below; 2. Rated two current: 1A or 5A; 3. Level: grade 0.2 or grade 0.2S; 4. Volume (unit: 10VA); 5. Two times the load power factor: 0.8; 6. 1 seconds over 100times the rated primary current; 7. Understand the stable current: $\geq 250$ times rated primary current;

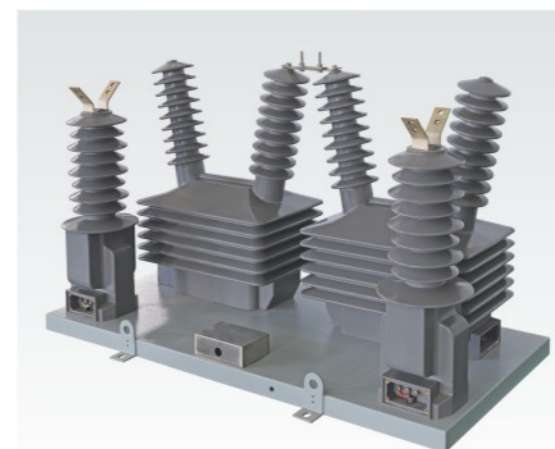
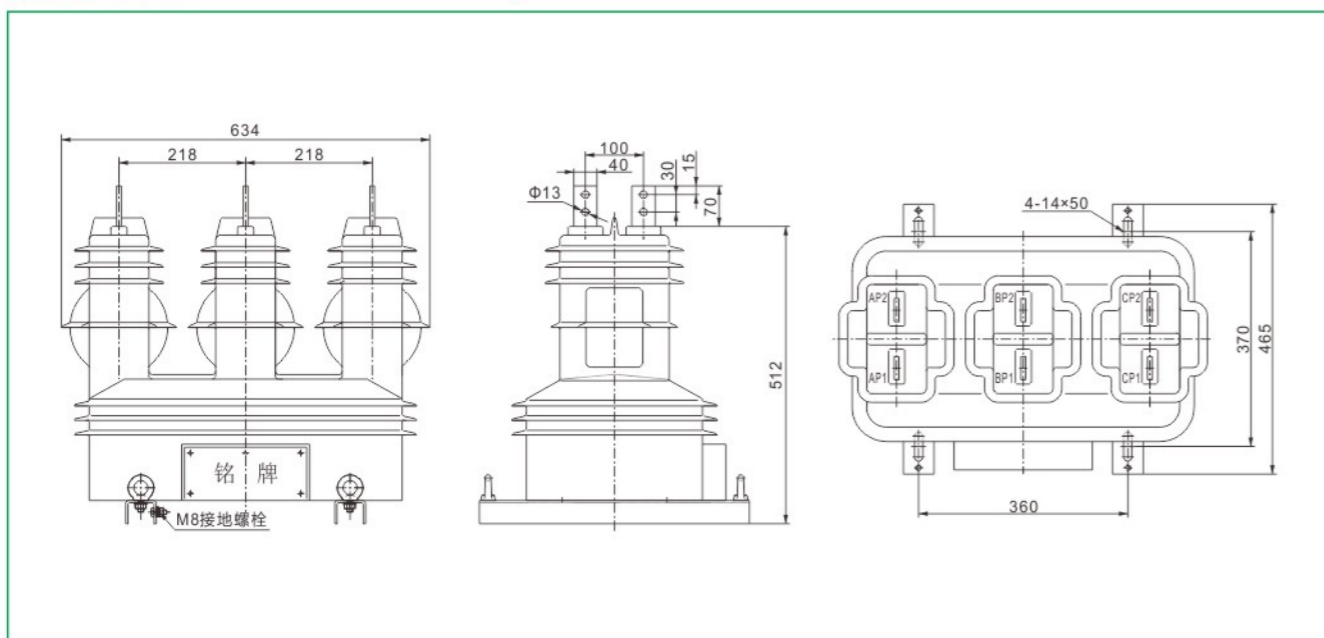
注: 1. 产品一次可以为双变比, 但变比的范围宜控制在一倍以内, 如25~50A或30~60A等。  
 2. 另每相电压比可以做成  $\frac{10}{\sqrt{3}}/\frac{0.1}{\sqrt{3}}$  kV, 配合单相电度表(相电压为220V)使用。  
 3. 可提供6kV电压等级产品, 外形尺寸不变。  
 4. 顾客如另有其他要求(如动热稳定、容量、功率因数、过载等方面), 可与我公司技术部协商后确定。

Note: 1. Products for the double transformation ratio, but the ratio should be controlled within a range of times, such as 25-50A or 30-60A.  
 2. From each phase voltage ratio can be made with  $\frac{10}{\sqrt{3}}/\frac{0.1}{\sqrt{3}}$  kV, single-phase watt-hour meter (phase voltage of 220V) using.  
 3. May provide 6kV voltage grade products, changing the outline dimension.  
 4. Customers such as other requirements (such as dynamic and thermal stability, capacity, power factor, etc., can overload) in our technical department determined after consultation.

典型电气原理图 Typical electrical schematic diagram



外形及安装尺寸 Overall dimension drawing



型号含义 Type description



概述 Summary

本型组合互感器是在同类产品的基础上改进而成, 由进口户外专用环氧树脂真空浇注而成。其结构新颖、体积小, 具有耐电弧、耐紫外线、耐老化、寿命长等特点, 适用于额定频率50Hz额定电压35kV的交流电力系统中作有功、无功电能计量, 是老式油浸式产品理想的替代产品。外形采用防雨伞裙, 表面爬电距离大, 二次端子加有金属保护罩密封, 防雨、防尘、耐腐蚀是城乡电网改造理想的换代产品。

技术参数 Technical data

电压部分参数 Parameter voltage part

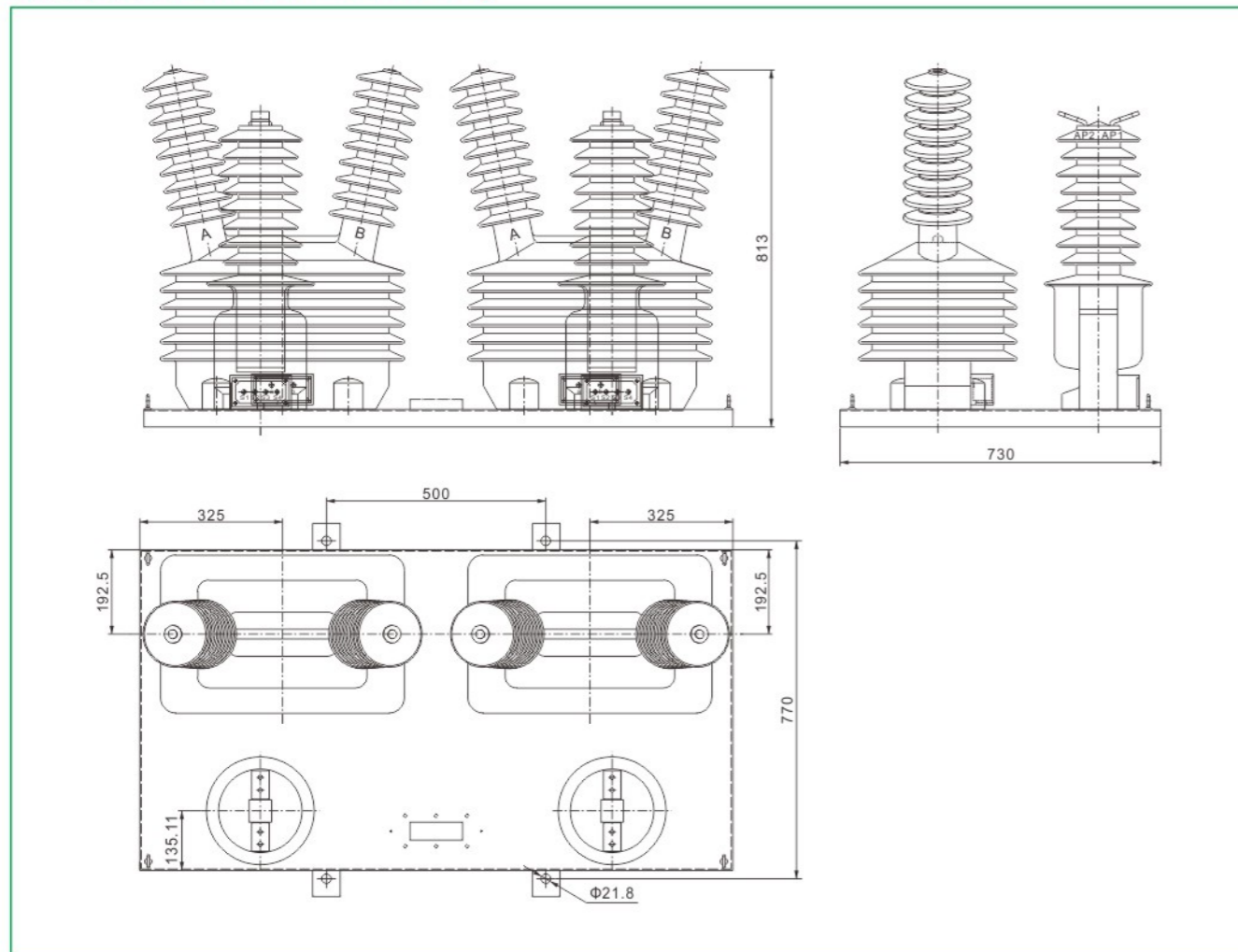
型号 Type	额定电压比 Rated voltage ratio (V)	额定绝缘水平 Rated insulation level (kV)	准确级三相 额定输出 (VA)	极限输出 Max. output (VA)	表面爬电距离 (mm)	总重 (kg)
JLSZV-35	35000/100	40.5/95/185	0.2/2 × 30	2 × 1000	1200	520

电流部分参数 Parameter of current part

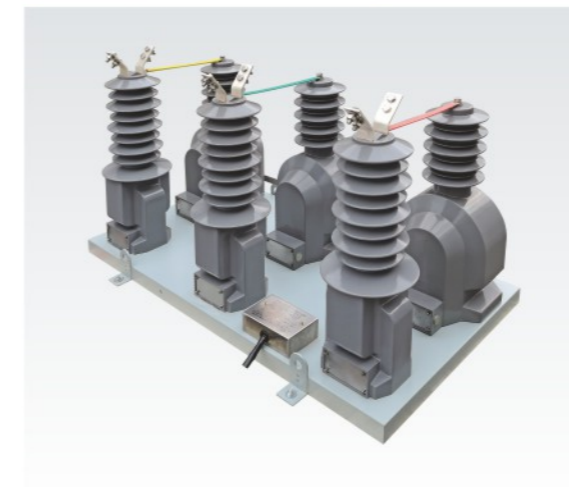
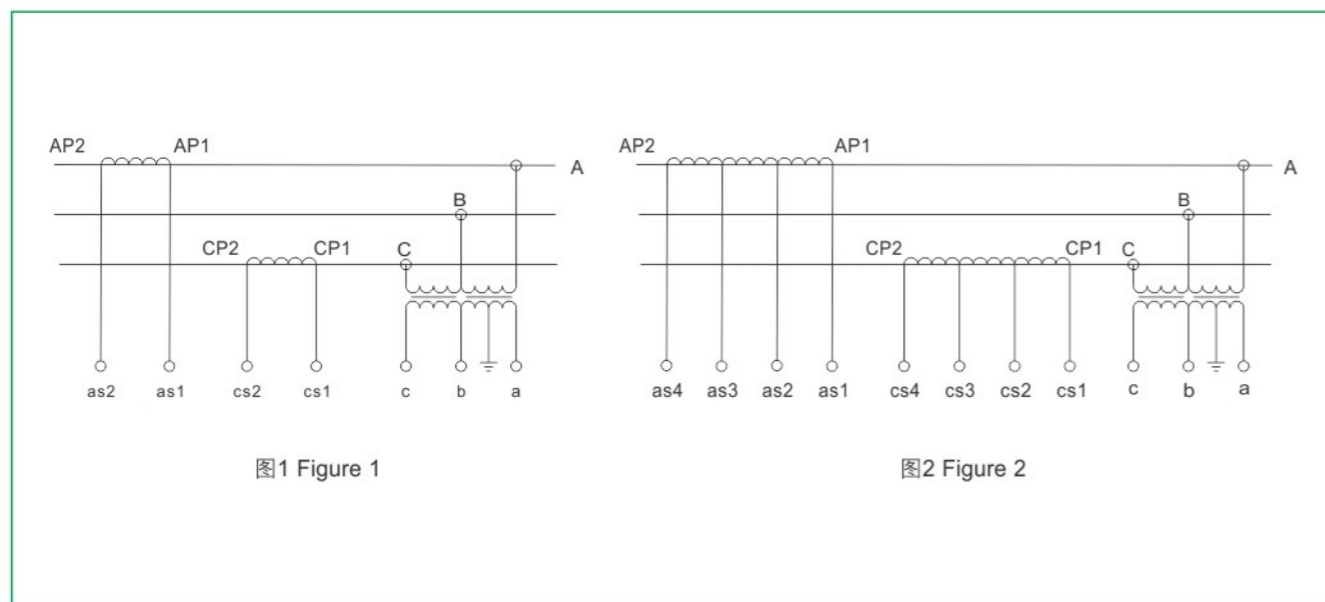
额定电流比(I <sub>1</sub> n/5)		短时热电流 (kA有效值)/s	动稳定电流 (kA峰值)	准确级额定输出 (VA)
双变比	单变比			
5-10	5、10	1	2.5	0.2/20
7.5-15	15	1.5	3.75	
10-20	20	2	5	
20-40	40	4	10	
25-50	50	5	12.5	
30-60	60	6	15	
40-80	80	8	20	0.2S/20
50-100	100	10	25	
60-120	120	12	30	
75-150	150	15	37.5	
100-200	200	20	50	
150-300	300	30	75	
200-400	400	40	100	
300-600	600	60	150	
400-800	800	80	200	
500-1000	1000	80/3	200	
600-1200	1200	80/4	200	

电流互感器的仪表保安系数FS ≤ 10。如果您对我们的产品有特殊要求, 请注意添加备注。

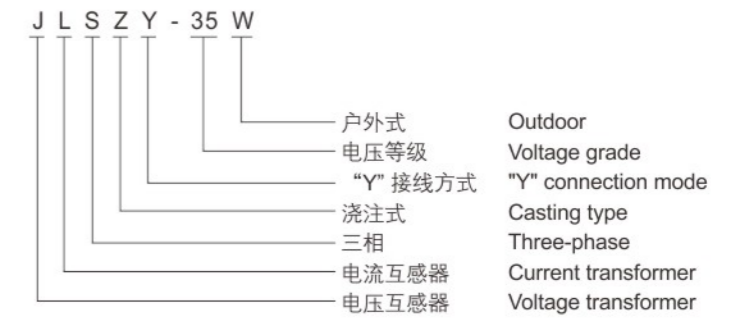
外形及安装尺寸 Overall dimension drawing



使用接线图 Overall dimension drawing



型号含义 Type description



技术参数 Technical data

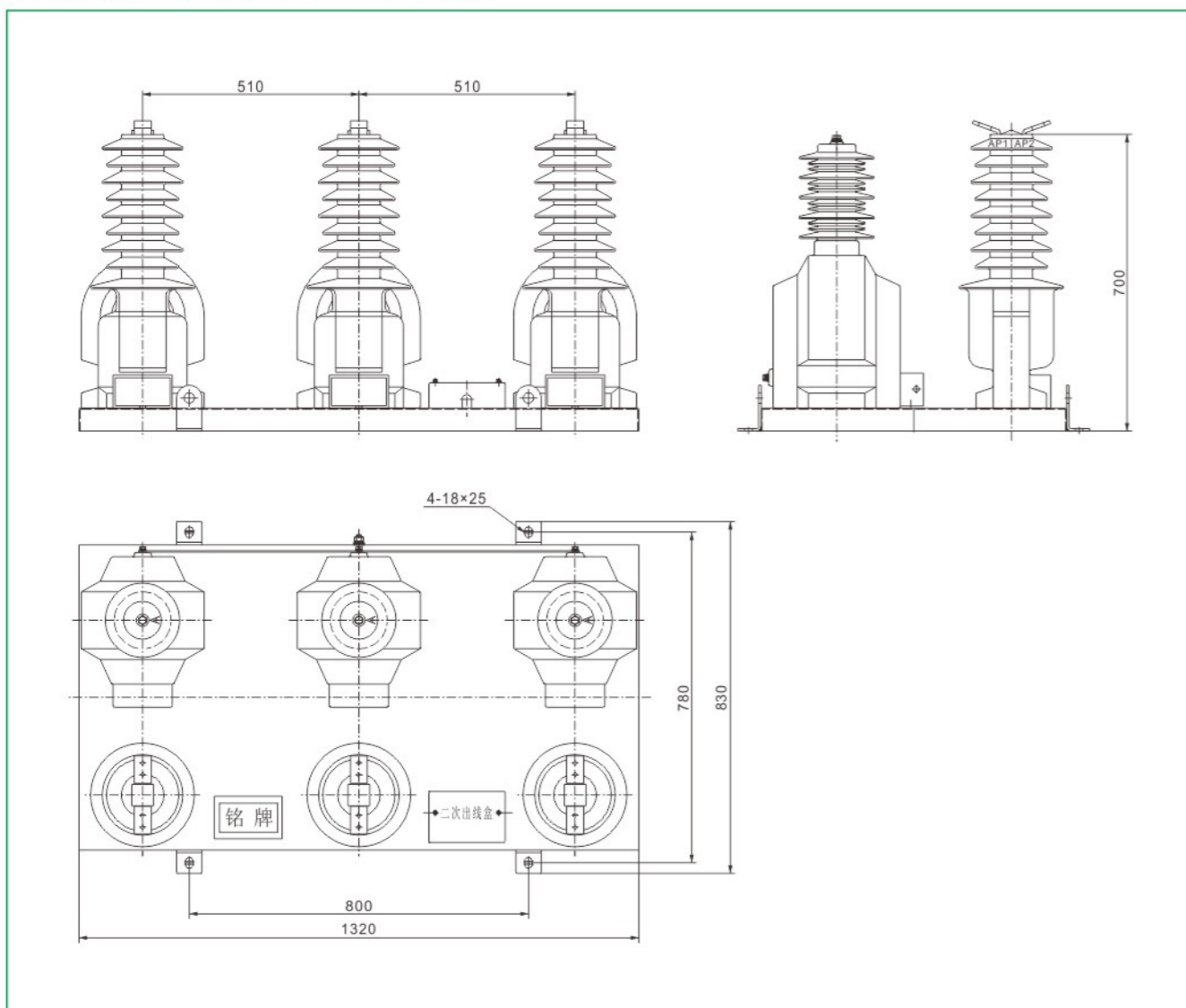
电压部分参数 Parameter of voltage part:

额定电压比 Rated voltage ratio (kV)	频率 Frequency (Hz)	准确级组合 Accuracy class combination	准确输出 Rated output (VA)	热极限输出 Thermal Limit output (VA)	额定绝缘水平 Rated insulation level (KV)
35/√3 / 0.1/√3	50-60	0.2	30	600	40.5/95/200
		0.5	90		
		1	180		
		3	300		
35/√3 / 0.1/√3 / 0.1/√3		0.2/0.2	15/15	300	
		0.2/0.5	15/20		
		0.5/0.5	40/40		

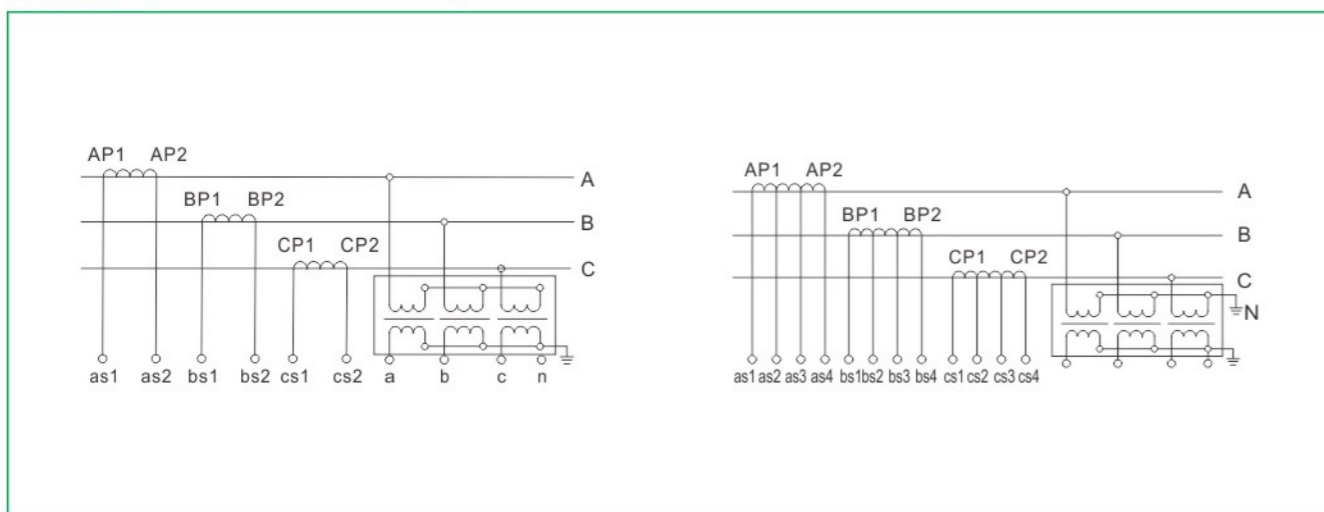
电流部分参数 Parameter of current part:

额定一次电流 Rated primary current(A)		级次组合 Accuracy classes combination	额定输出 Rated output (VA)	短时热电流 Short time thermal current (KA/S)	额定动稳定电流 Rated dynamic current (KA)
单变比 Single transformation ratio	复变比 Double transformation ratio				
10	10-15-20	0.2S 0.5S 0.2 0.5	10 10 15 30	2	5
15	15-20-30			2.7	6.75
20, 25	20-30-40			4	10
30	30-40-50			6.3	15.7
40	40-50-75			8.1	20.2
50	50-75-100			10.8	27
75	75-100-150			16.2	40.5
100	100-150-200			21.6	51.5
150	150-200-300			37.8	94.5
200, 250	200-300-400			54	110
300	300-400-500			68.4	136
400	400-500-600			95.5	190
500	500-600-800				
600	600-800-1000				
750	800-1000-1200				
800		140	200		
1000					
1200					

外形及安装尺寸 Overall dimension drawing



使用接线图 Overall dimension drawing



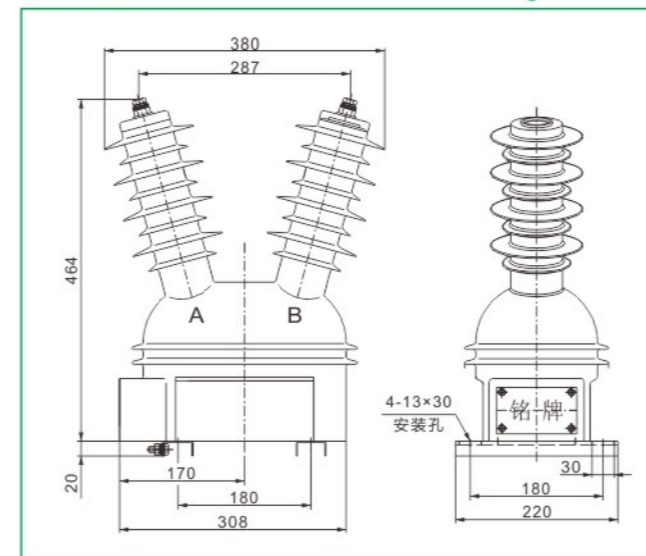
型号含义 Type description



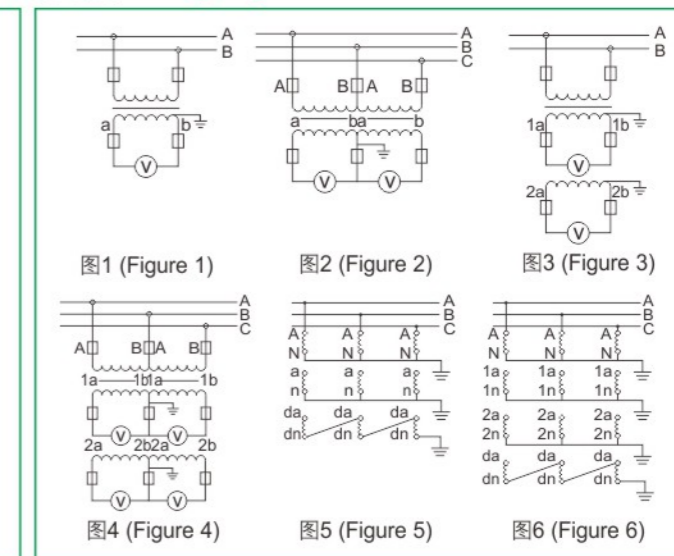
技术参数 Technical data

型号 Type	额定电压比 Rated voltage ratio (V)	准确级及额定二次输出 Accuracy class and rated secondary output(VA)						极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level(kV)	接线图 Wiring diagram								
		0.2	0.5	1级	3级	0.2/0.2 0.2/0.5	0.5/0.5				6P							
JDZW-10RF	3000/100	40	80	200	240	/	/	/	500	3.6/25/40	图1-图2 Figure1-2							
	6000/100								7.2/32/60									
	10000/100								/	/	/	/	/	/	/	/	/	/
	10000/220																	
	10000/100/100	/	/	/	/	20/20 20/30	30/30	/	400/400	12/42/75	图3-图4 Figure3-4							
	10000/100/220	/	/	/	/	0.2/3-30/500 0.5/3-80/500	/	300/500										
3000/100/100 √3/√3/3	20	50	150	250	/	/	/	/	600	3.6/25/40	图5 Figure5							
6000/100/100 √3/√3/3										7.2/32/60								
10000/100/100 √3/√3/3										12/42/75								
10000/100/100/100 √3/√3/√3/3	/	/	/	/	15/15 15/20	30/30	/	300/300	12/42/75	图6 Figure6								

外形及安装尺寸 Overall dimension drawing



接线图 Wiring diagram





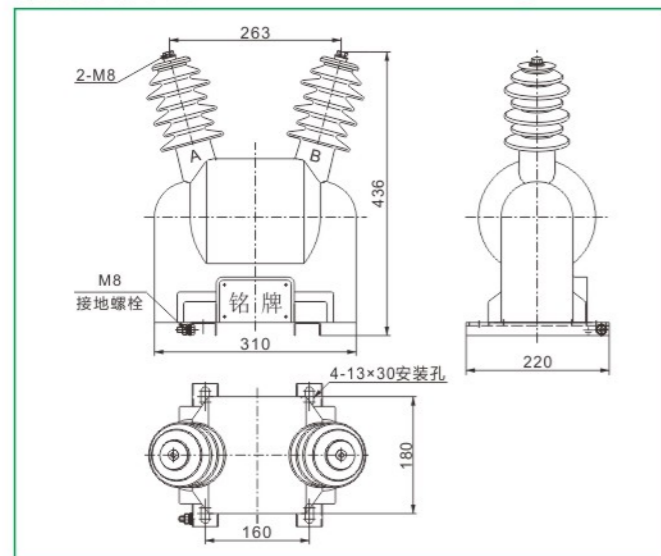
型号含义 Type description



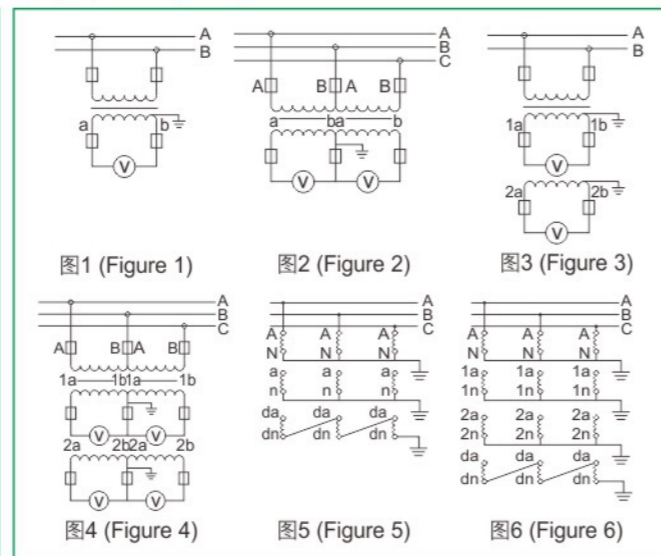
技术参数 Technical data

型号 Type	额定电压比 Rated voltage ratio (V)	准确级及额定二次输出 Accuracy class and rated secondary output(VA)						极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level(kV)	接线图 Wiring diagram	
		0.2	0.5	1级	3级	0.2/0.2 0.2/0.5	0.5/0.5				6P
JDZW-10R1	3000/100	40	80	200	240	/	/	/	3.6/25/40	图1-图2 Figure1-2	
	6000/100								7.2/32/60		
	10000/100								500		
	10000/220								500		
	10000/100/100	/	/	/	/	20/20 20/30	30/30	/	400/400	12/42/75	图3-图4 Figure3-4
	10000/100/220	/	/	/	/	0.2/3-30/500 0.5/3-80/500	/	300/500	300/500		
	$\frac{3000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	20	50	150	250	/	/	/	600	3.6/25/40	图5 Figure5
	$\frac{6000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$								7.2/32/60		
$\frac{10000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	100								600	12/42/75	
$\frac{10000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	/	/	/	/	15/15 15/20	30/30	/	300/300	图6 Figure6		

外形及安装尺寸 Overall dimension drawing



接线图 Wiring diagram



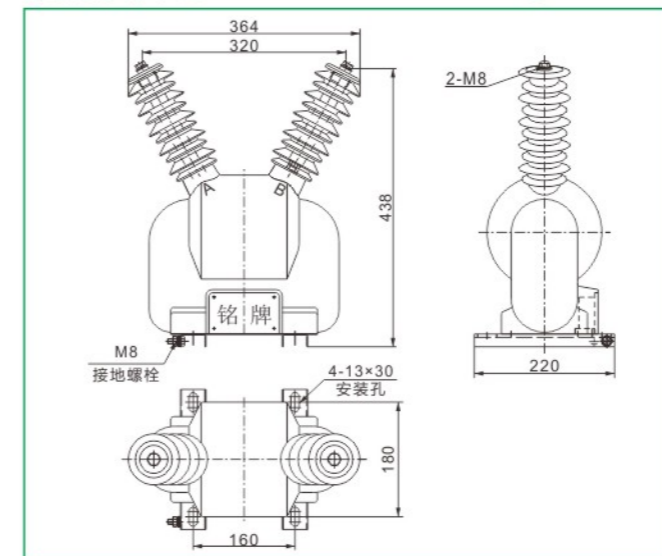
型号含义 Type description



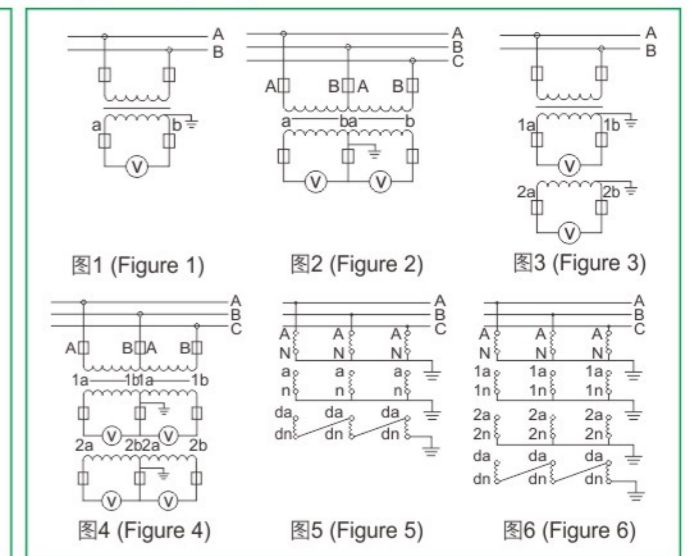
技术参数 Technical data

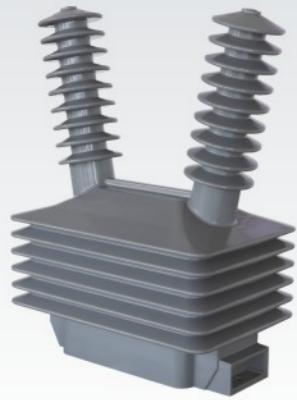
型号 Type	额定电压比 Rated voltage ratio (V)	准确级及额定二次输出 Accuracy class and rated secondary output(VA)						极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level(kV)	接线图 Wiring diagram	
		0.2	0.5	1级	3级	0.2/0.2 0.2/0.5	0.5/0.5				6P
JDZW-10R3	3000/100	40	80	200	240	/	/	/	3.6/25/40	图1-图2 Figure1-2	
	6000/100								7.2/32/60		
	10000/100								500		
	10000/220								500		
	10000/100/100	/	/	/	/	20/20 20/30	30/30	/	400/400	12/42/75	图3-图4 Figure3-4
	10000/100/220	/	/	/	/	0.2/3-30/500 0.5/3-80/500	/	300/500	300/500		
	$\frac{3000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	20	50	150	250	/	/	/	600	3.6/25/40	图5 Figure5
	$\frac{6000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$								7.2/32/60		
$\frac{10000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	100								600	12/42/75	
$\frac{10000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	/	/	/	/	15/15 15/20	30/30	/	300/300	图6 Figure6		

外形及安装尺寸 Overall dimension drawing



接线图 Wiring diagram





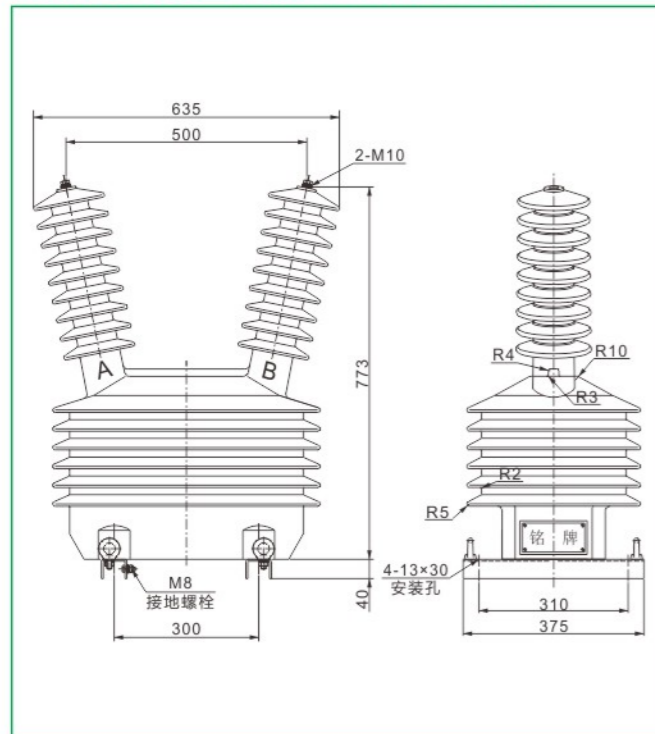
型号含义 Type description



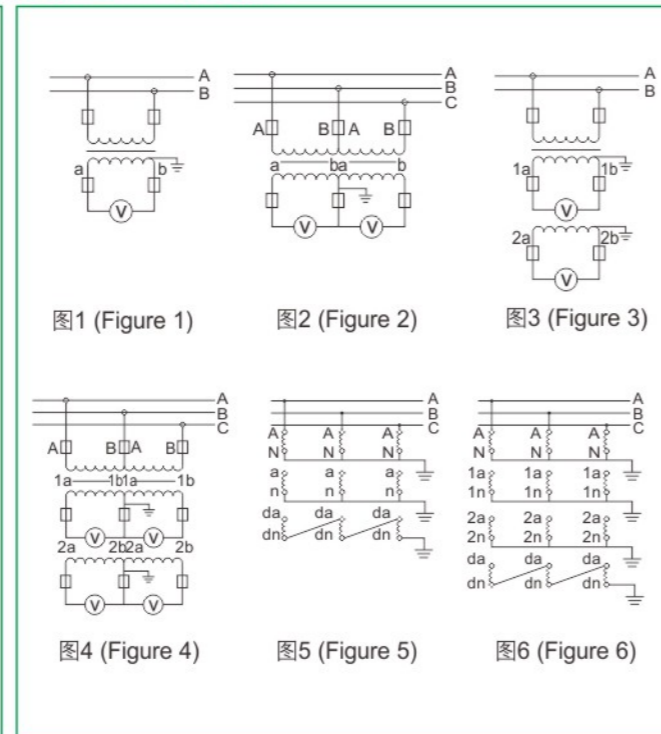
技术参数 Technical data

型号 Type	额定电压比 Rated voltage ratio (V)	准确级及额定二次输出 Accuracy class and rated secondary output(VA)						极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level (kV)	接线图 Wiring diagram
		0.2	0.5	1级	3级	0.2/0.2 0.2/0.5	0.5/0.5			
JDZW-35	35000/100	60	150	300	600	/	/	1200	40.5/95/200	图1-图2 Figure1-2
	35000/100/100	/	/	/	/	30/30 30/40	60/60	600/600		图3-图4 Figure3-4
JDZXW-35G	$\frac{35000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	40	90	200	500	/	/	100	40.5/95/200	图5 Figure5
	$\frac{35000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	/	/	/	/	15/15 15/20	30/30	100		300/300

外形及安装尺寸 Overall dimension drawing



接线图 Wiring diagram



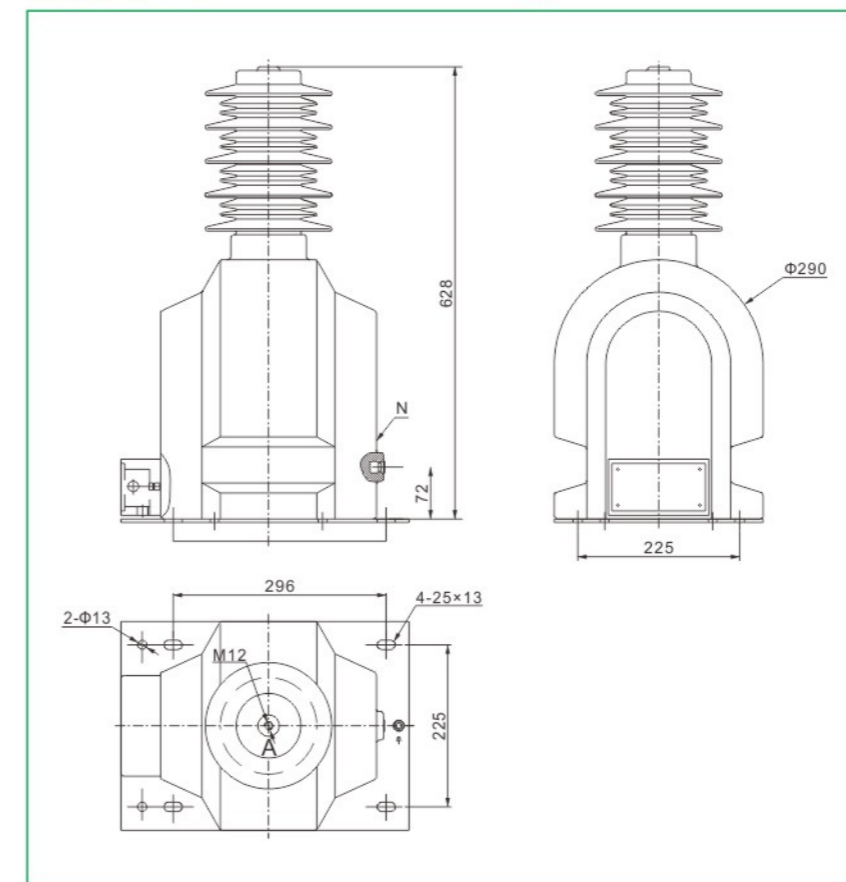
型号含义 Type description



技术参数 Technical data

额定电压比 Rated voltage ratio (V)	准确级及额定二次输出 Accuracy class and rated secondary output(VA)						极限输出 Max.output (VA)	额定绝缘水平 Rated insulation level (kV)	接线图 Wiring diagram	
	0.2	0.5	1级	3级	0.2/0.2 0.2/0.5	0.5/0.5				6P
$\frac{35000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	30	90	180	500	/	/	100	600	40.5/95/200	图1 Figure1
$\frac{35000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	/	/	/	/	20/20 20/30	45/45	100	300/300		图2 Figure2

外形及安装尺寸 Overall dimension drawing



接线图 Wiring diagram

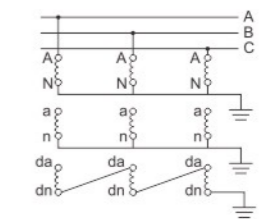


图1 (Figure 1)

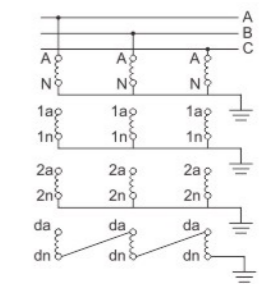
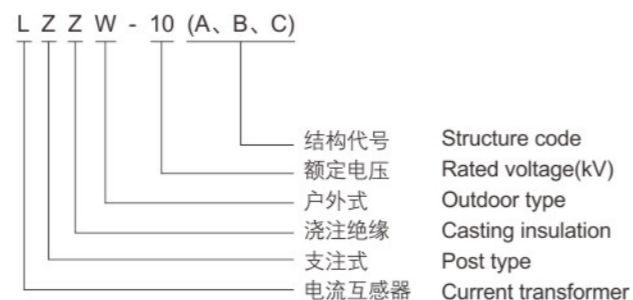


图2 (Figure 2)





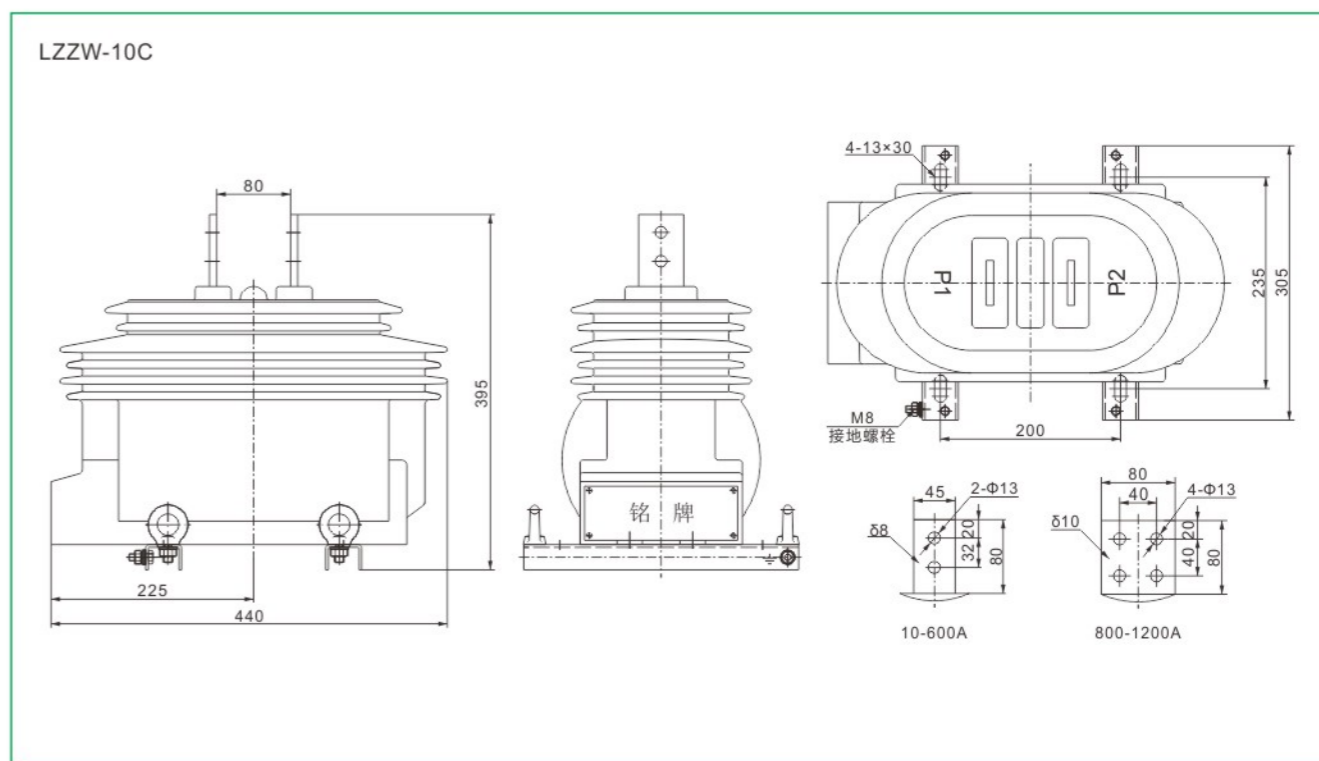
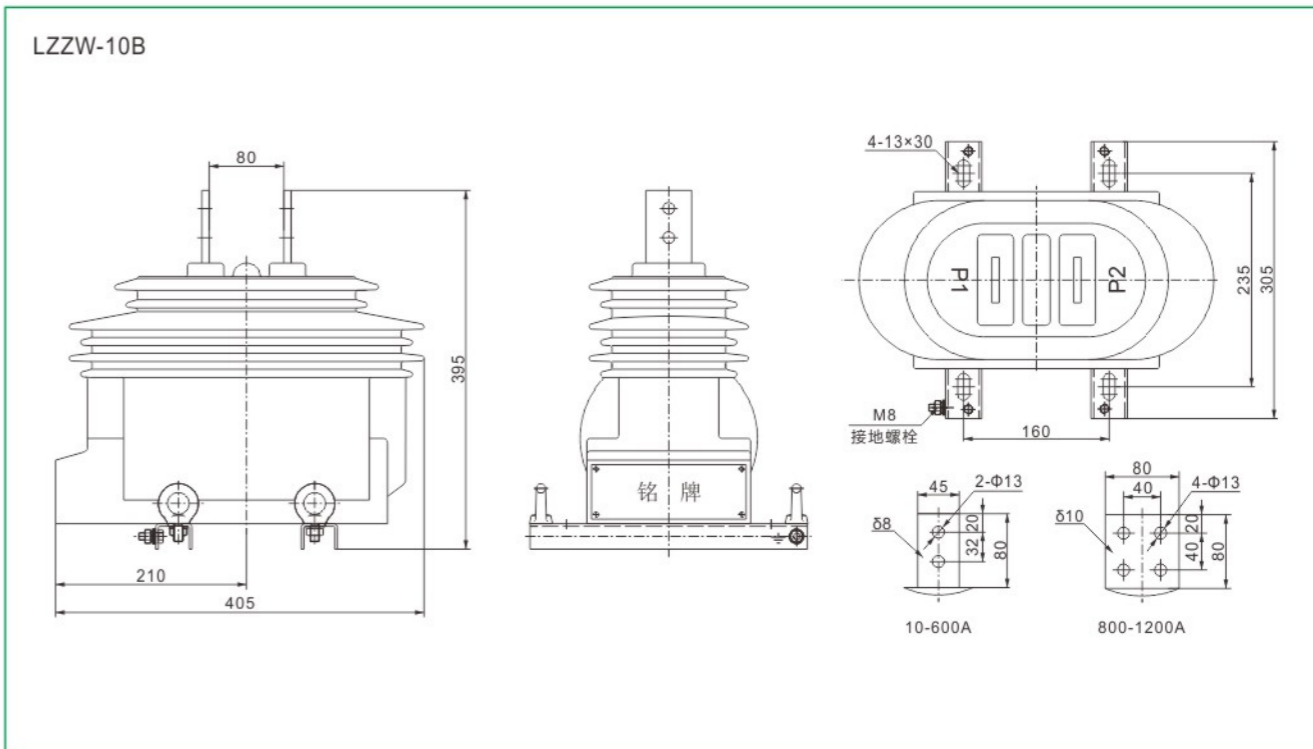
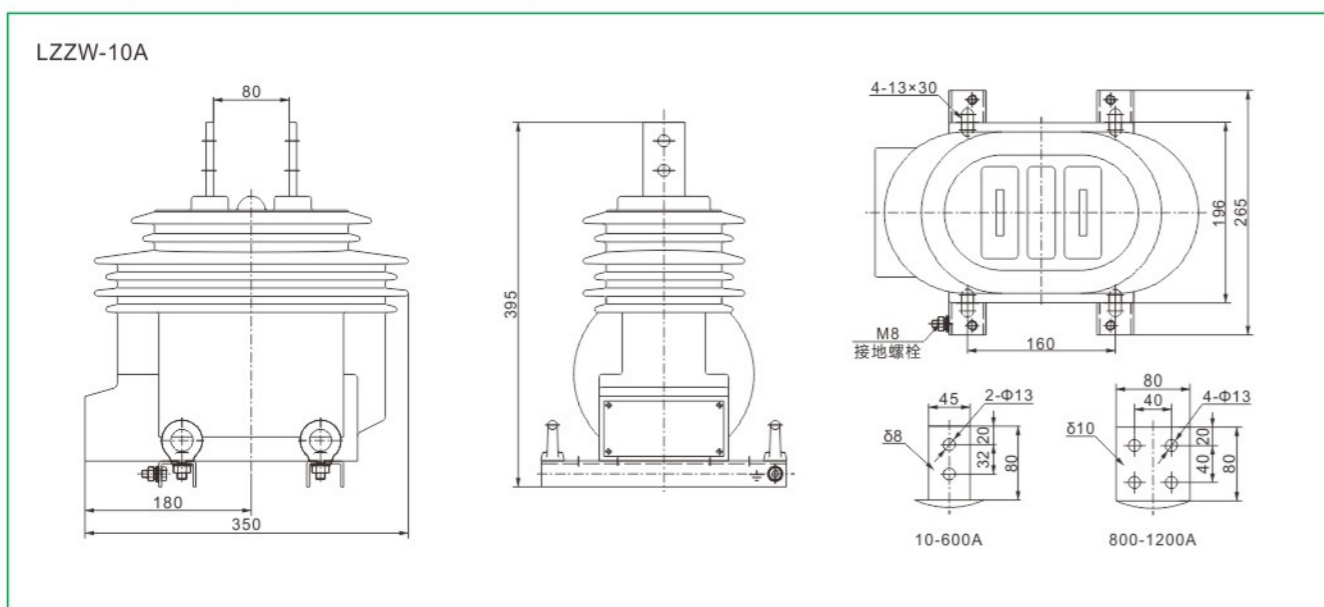
型号含义 Type description



技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)			一秒热稳定电流 1s thermal current (kA)	动稳定电流 Rated dynamic current (kA)
		0.2(S)	0.5	10P15		
10	0.2(S)/10P15 0.5(S)/10P15 0.2(S)/0.5/10P15 0.2(S)/10P15/10P15	10	15	15	1.44	3.6
15					3	7.5
20、25					4	10
30					6.3	15
40、50					9	22.5
60					12.6	31.5
75					15	37.5
100					18	45
150					25	55
200					50	110
250-600	60	130				
750-1000	80	160				
1200-1500	100	160				

外形及安装尺寸 Overall dimension drawing





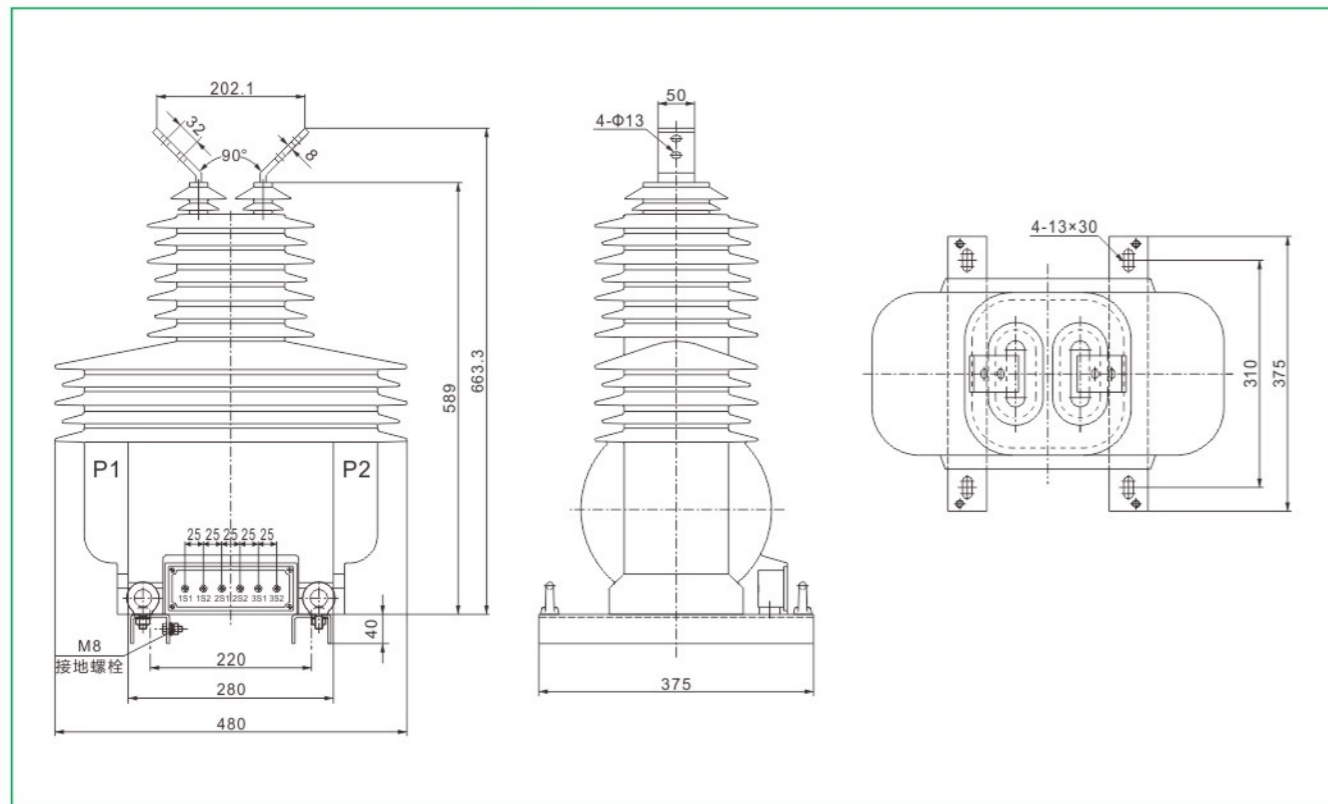
型号含义 Type description



技术参数 Technical data

额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定二次输出 Rated secondary output(VA)			短时热稳定电流 Short-time thermal current (kA)	动稳定电流 Rated dynamic current (kA)
		0.2(S)	0.5	5P20		
20-100	0.2(S)/5P20/5P20	10	15	15	150lin	375lin
150-200					31.5	80
300-500					31.5/2	
600-1200	0.5/5P20/5P20	15	30	20	31.5/4	80
1500-2000		20	40	30	40/4	125

外形及安装尺寸 Overall dimension drawing



型号含义 Type description



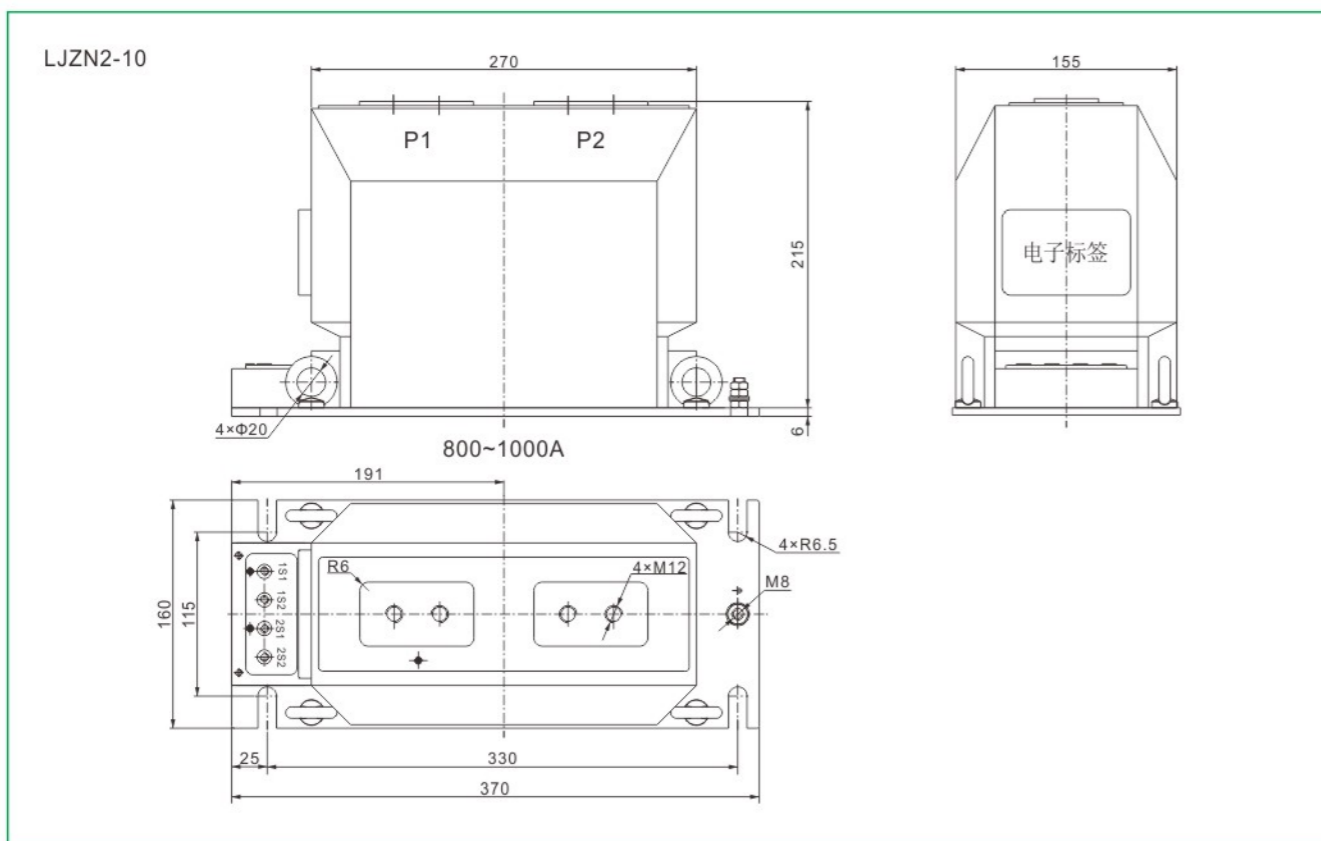
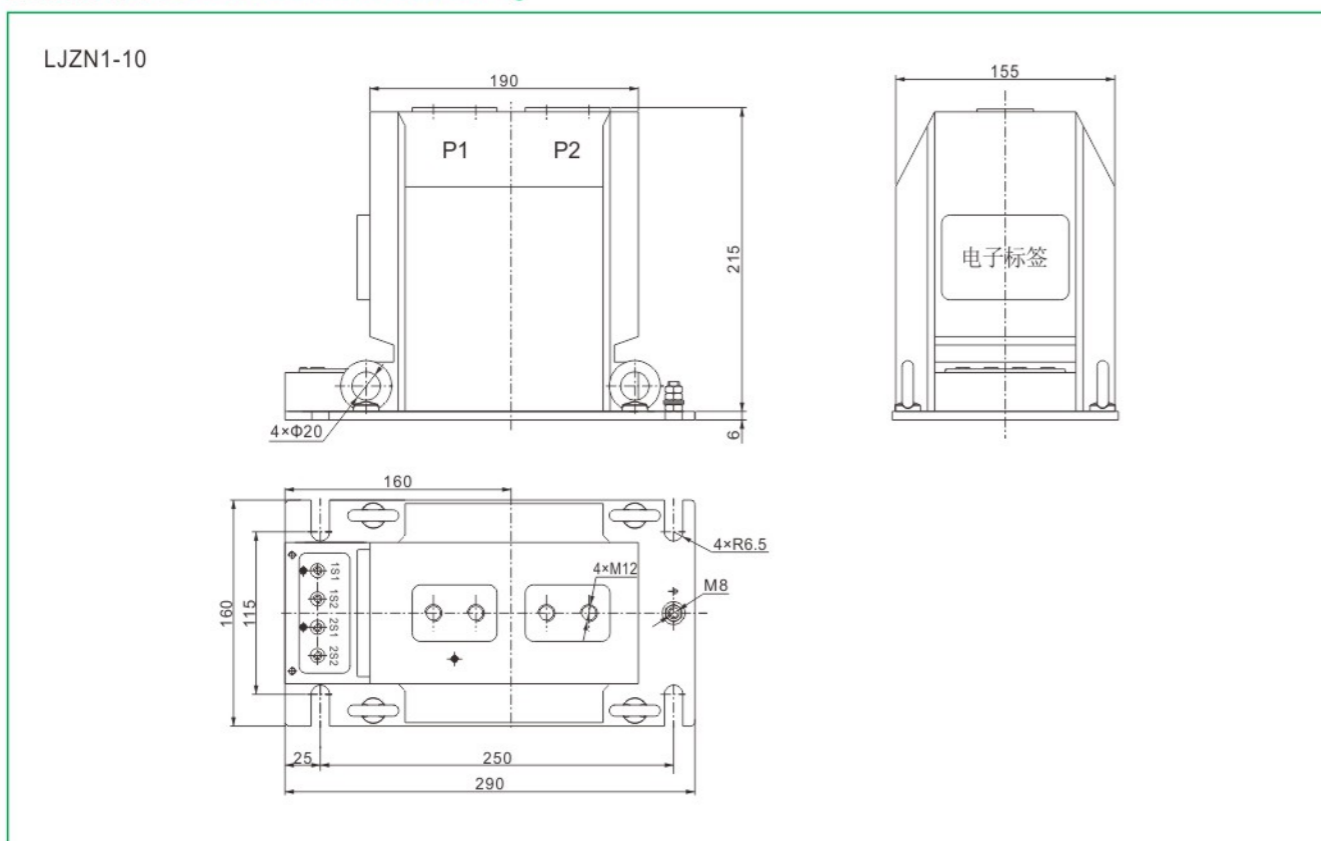
技术参数 Technical data

- 产品性能符合标准GB/T20840.1、2和IEC61869-1、2。
  - 额定频率：50Hz或60Hz。
  - 额定二次电流：5A或1A。
1. The current transformers are in accordance with GB/T20840.1, 2 and IEC61869-1, 2 standards.  
2. Rated frequency: 50Hz or 60Hz.  
3. Rated secondary current: 5A or 1A.

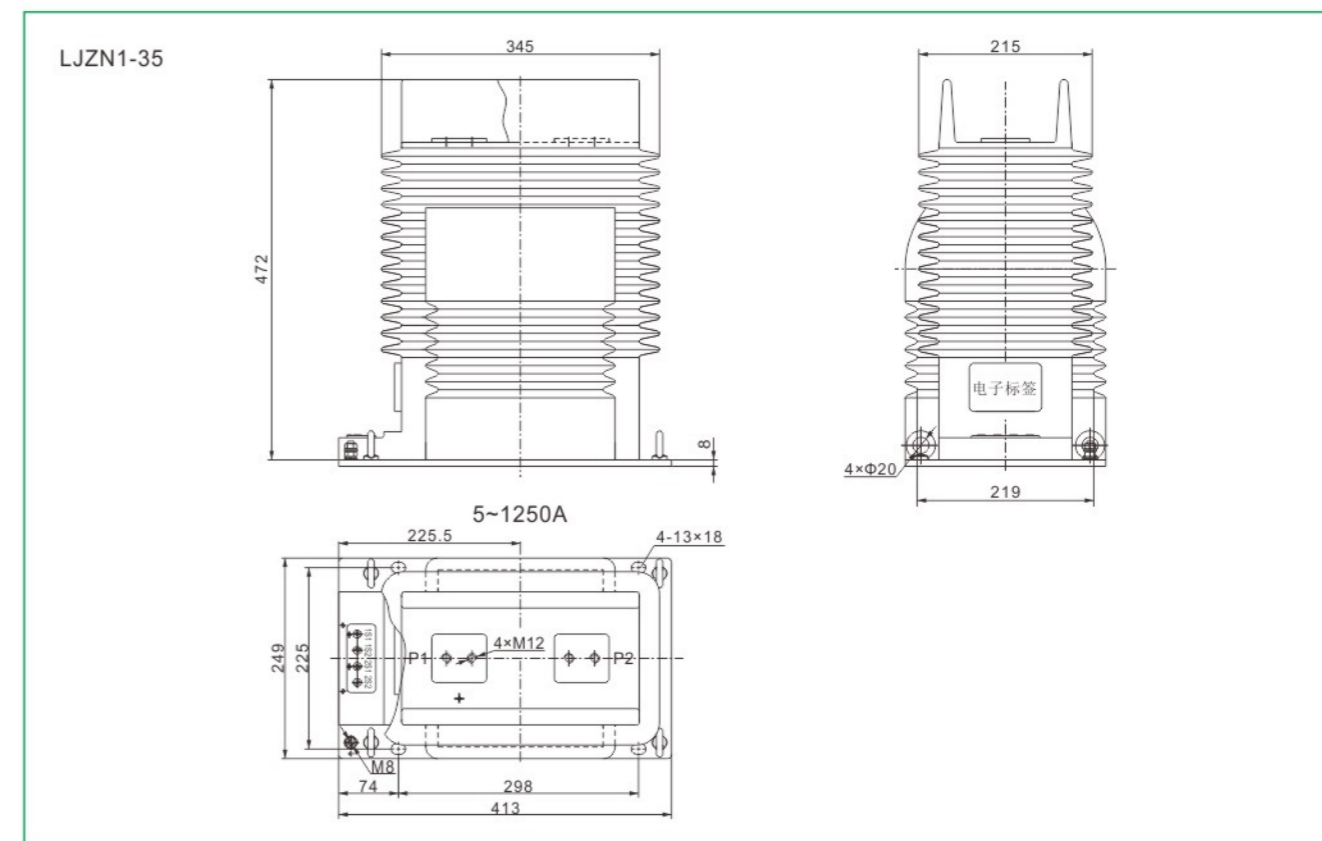
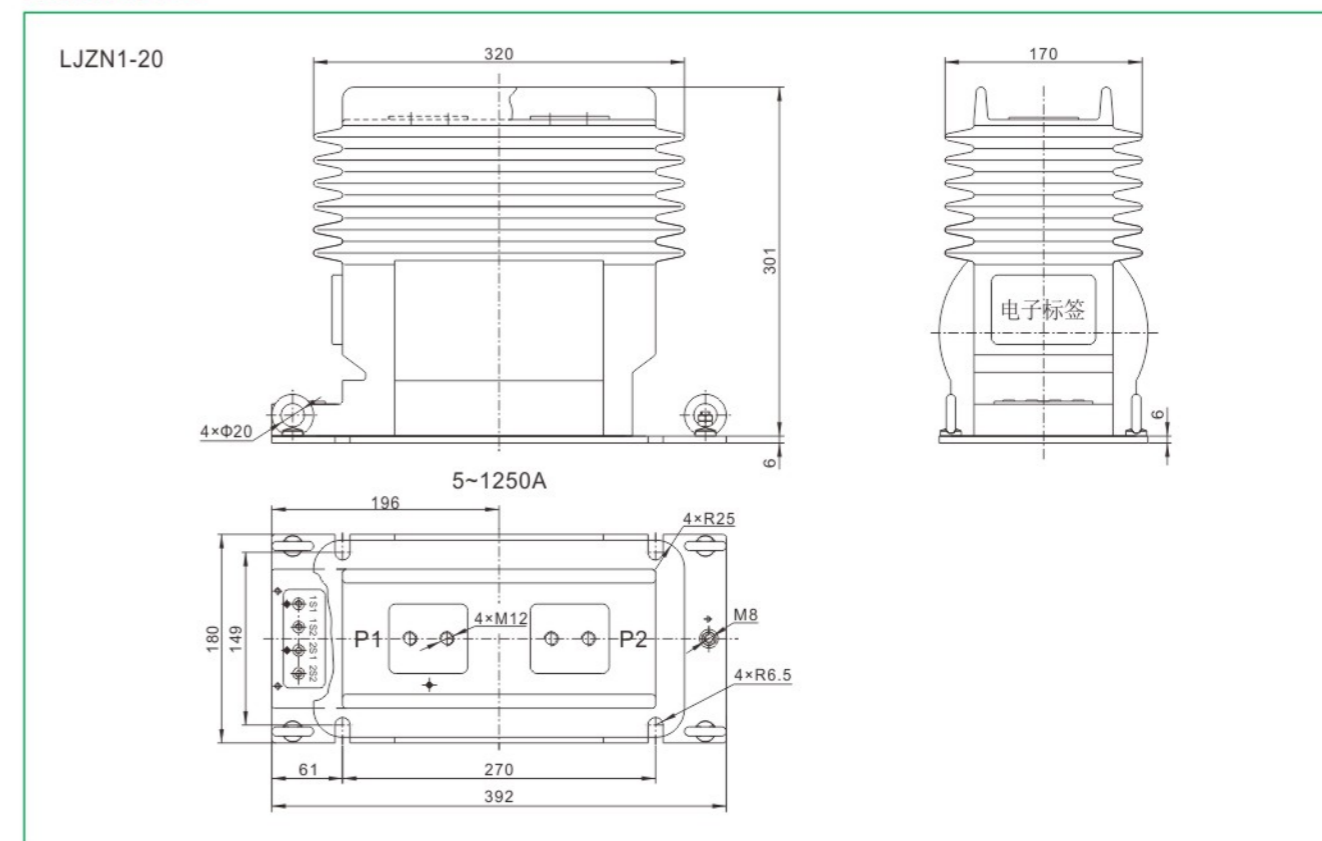
电压等级(kV) Voltage class	额定一次电流 I <sub>1n</sub> (A) Rated primary current	准确级组合 Class combination	额定输出(VA) Rated output COS Φ=0.8		额定输出(VA) Rated output COS Φ=1.0		短时热电流(kA/S) Short-time thermal current		额定动稳定电流(kA) Rated dynamic current		
			5A	1A	kA	S					
10、20	20	0.2S	10	5	2	12.5					
	30、40								8	2	20
	50、60								10	2	25
	75								16	2	40
	100-200								20	2	5
	300-500								25	4	63
	600、750								31.5	4	80
35	1000-2000	0.2S	15	5	4	100					
	50								8	2	0
	100								16	2	40
	150、200								20	2	50
	300-500								25	4	63
	600-800								31.5	4	80

注：如用户要求的参数超出上表范围，可与我公司协商后确定。  
Note: If the required parameter is beyond the above range, it can be discussed and confirmed with us.

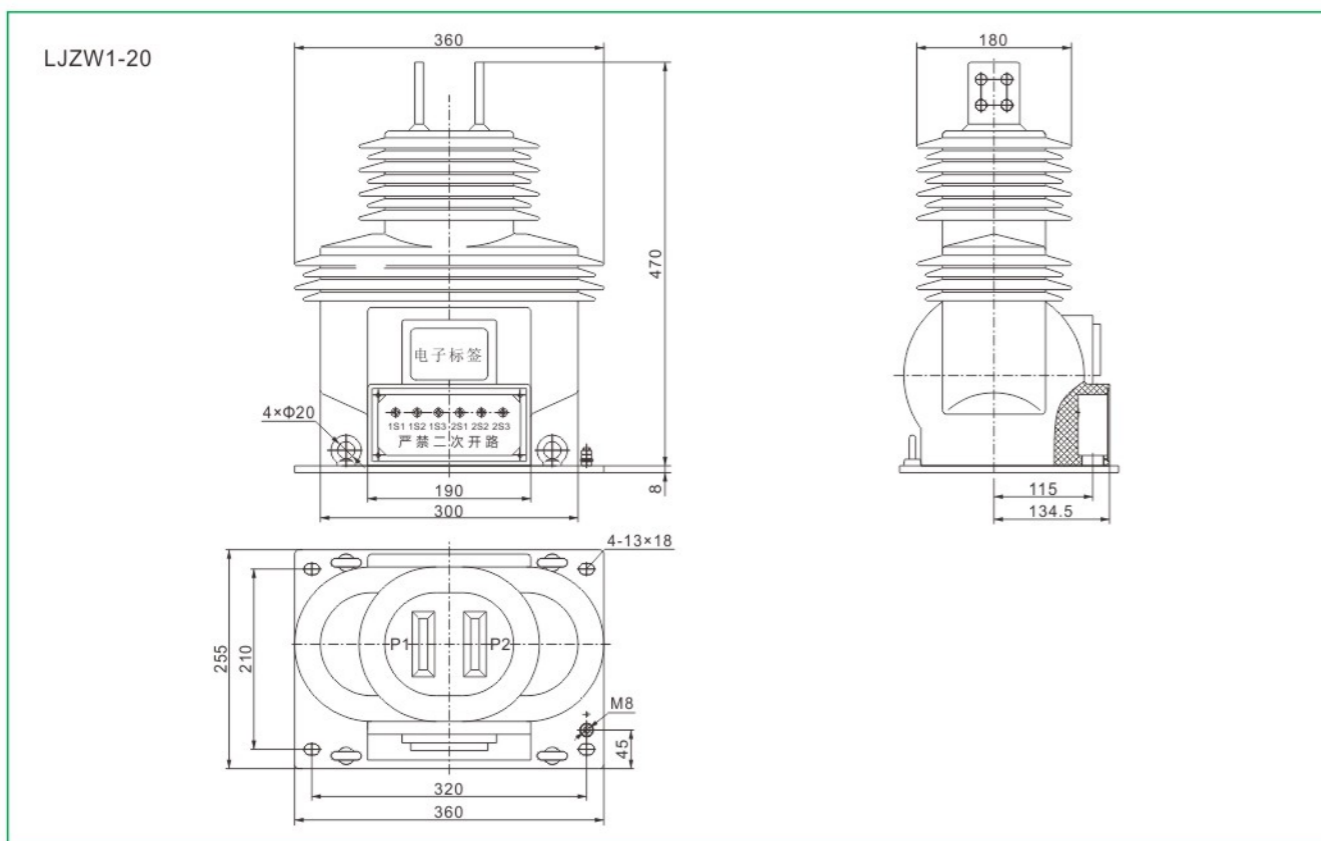
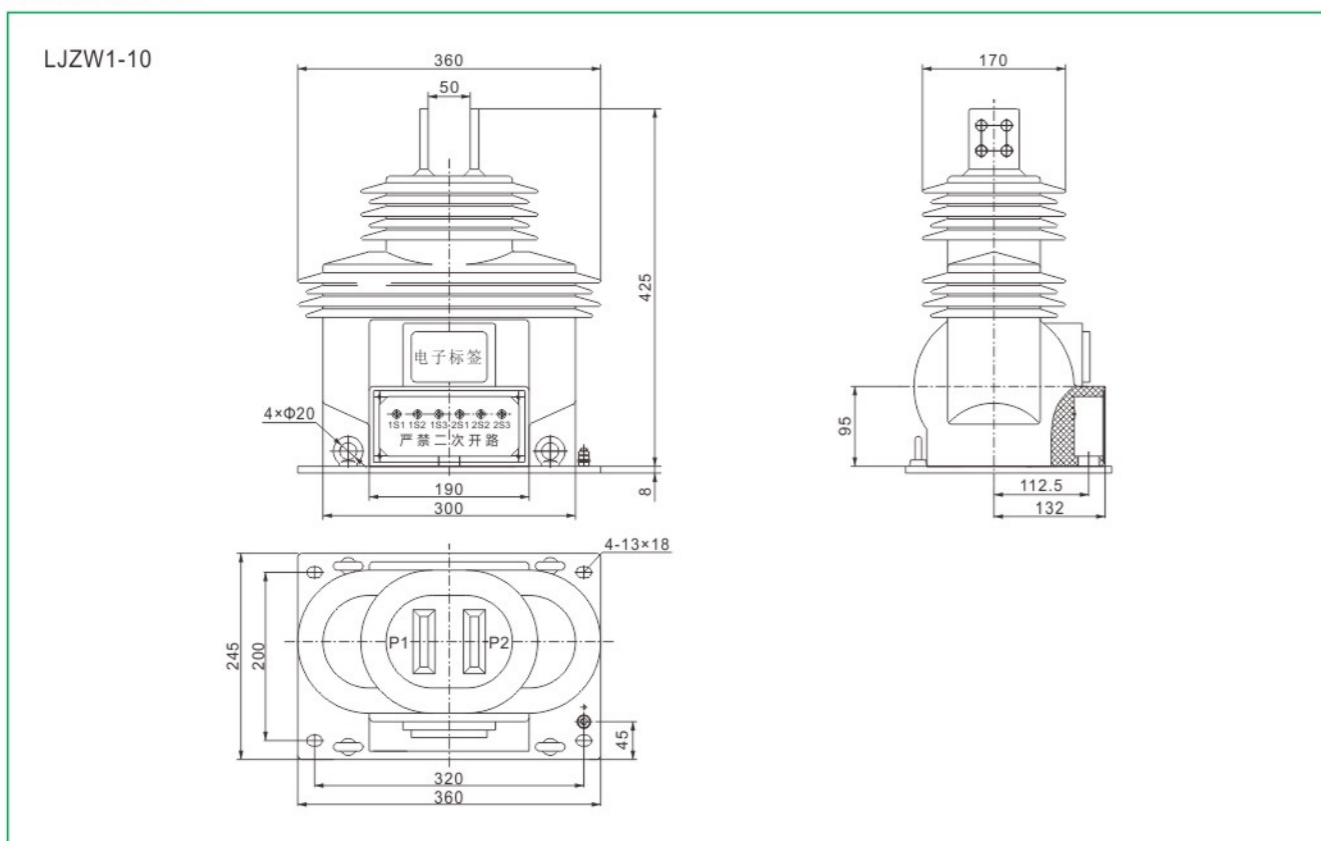
外形及安装尺寸 Overall dimension drawing



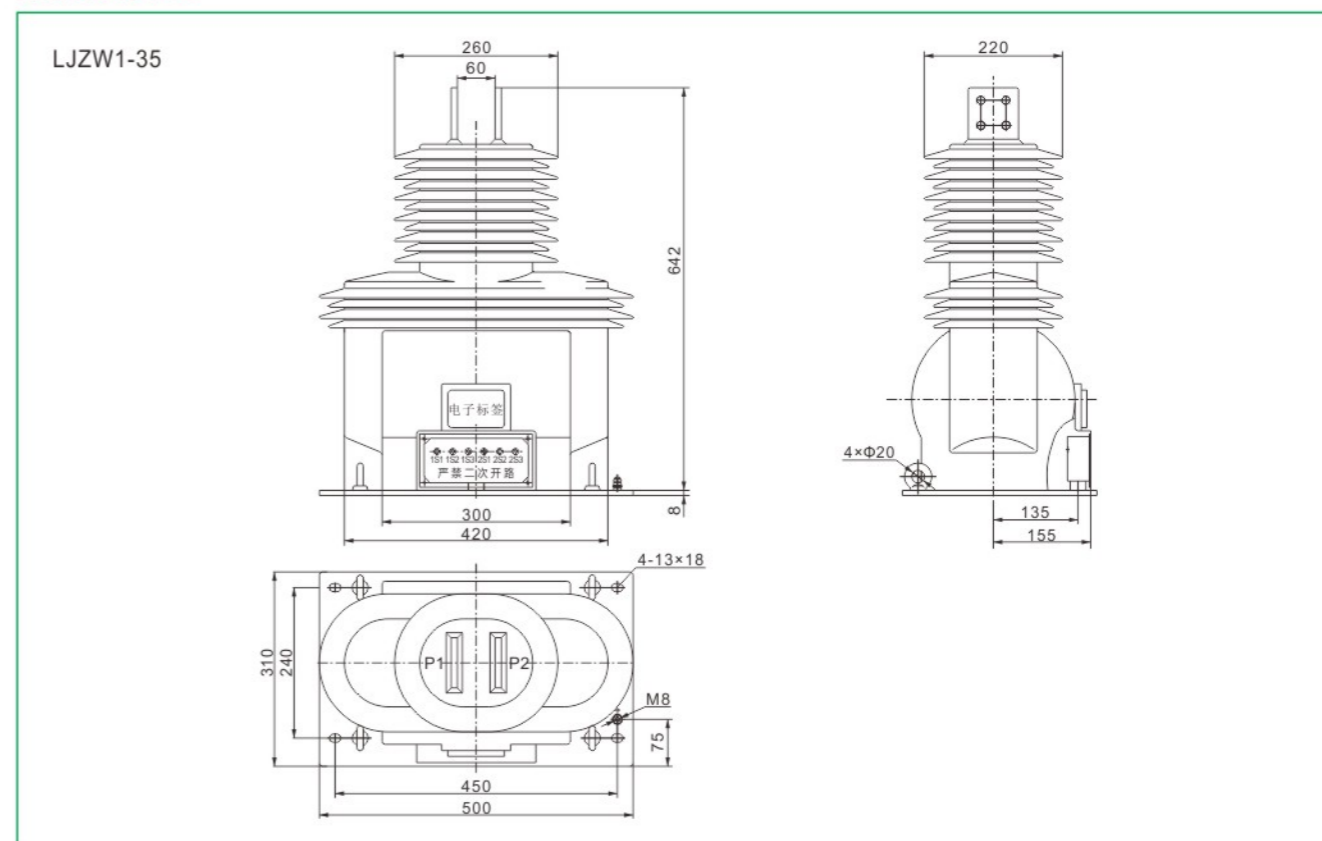
外形及安装尺寸



外形及安装尺寸

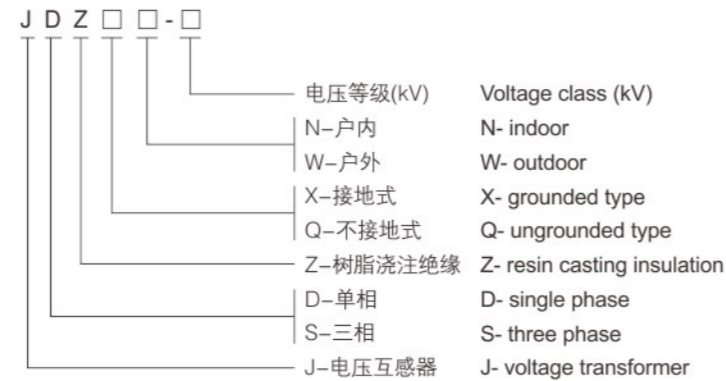


外形及安装尺寸





型号含义 Type description



技术参数 Technical data

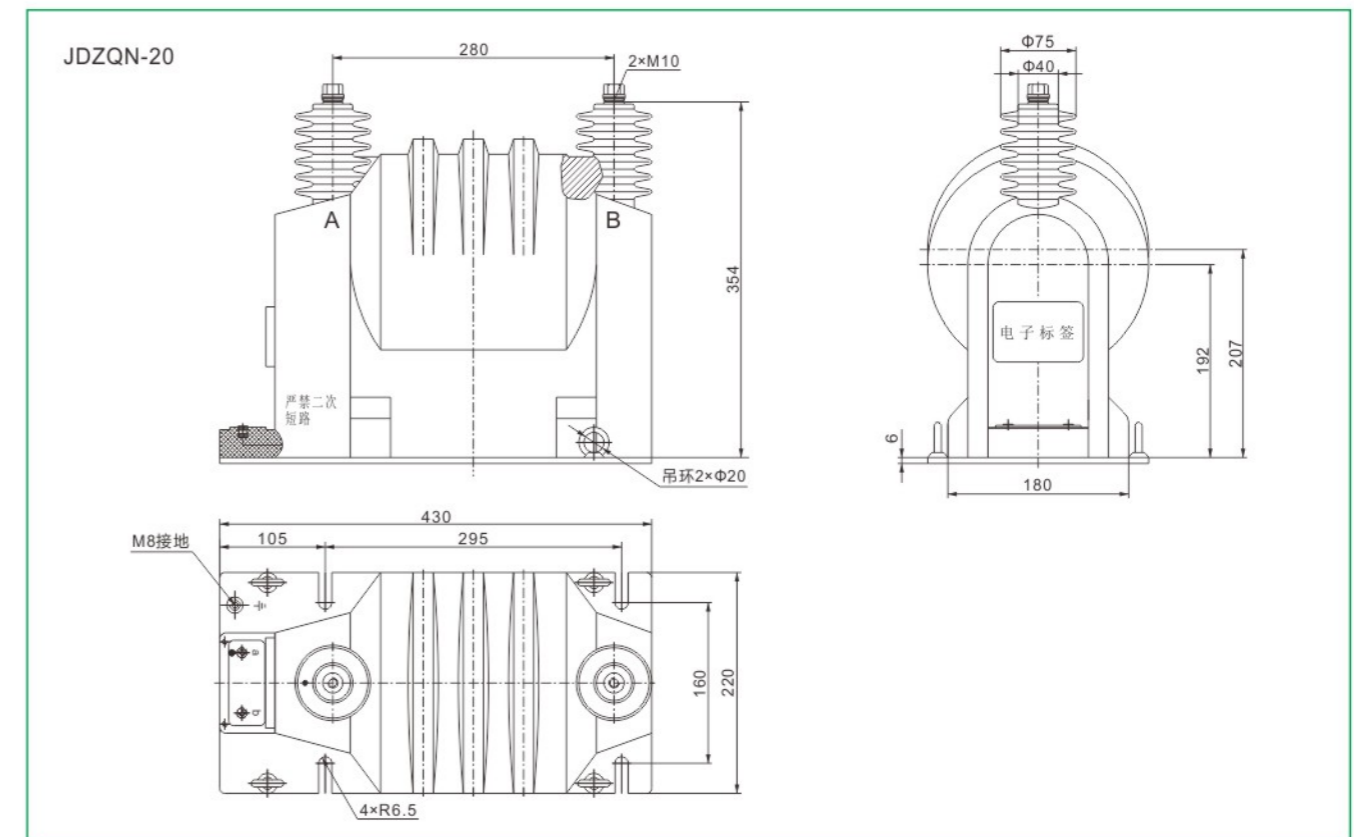
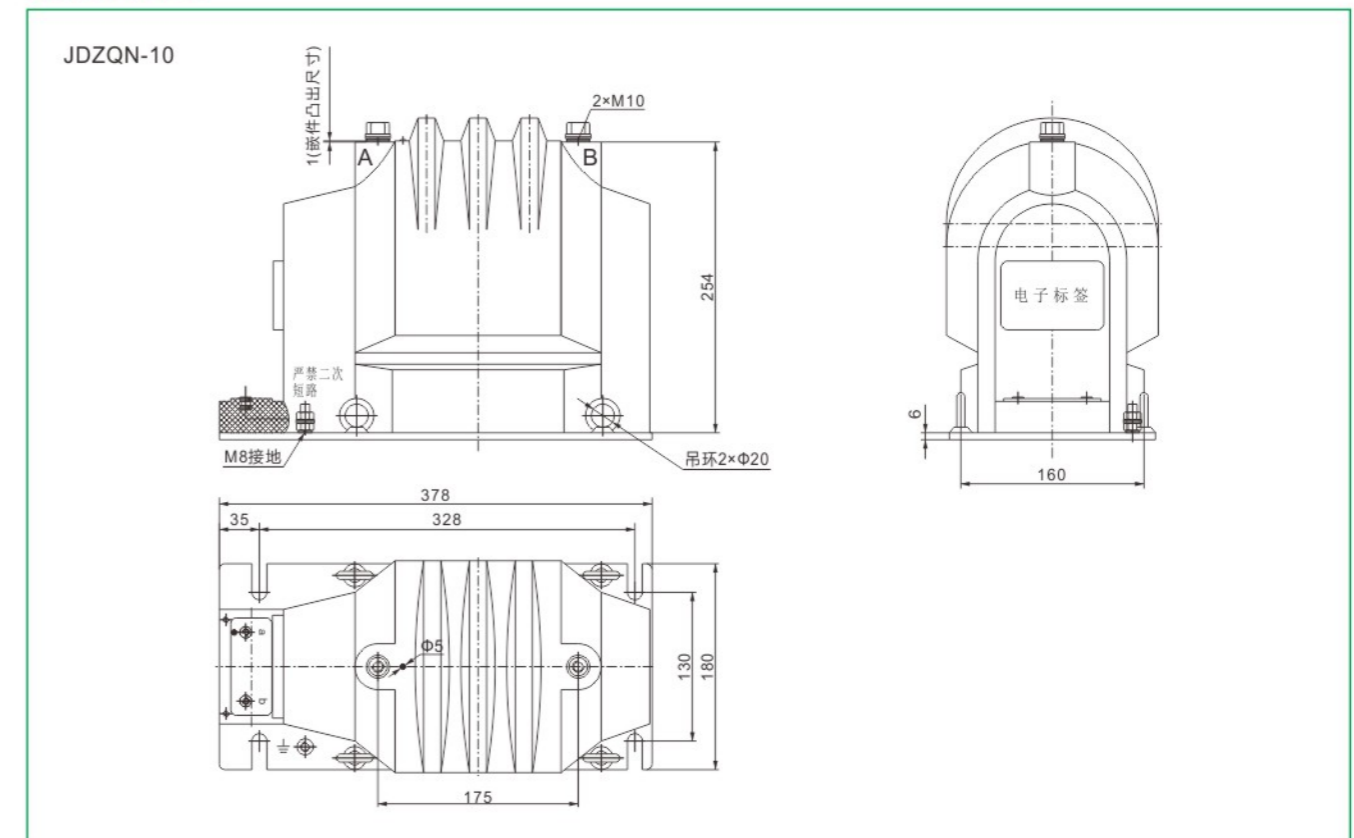
1. 产品性能符合标准GB/T20840.1、3和IEC61869-1、3。
2. 额定绝缘水平: 12/42/75、7.2/32/60kV、24/65/125、40.5/95/200kV。
3. 额定频率: 50Hz或60Hz。

1. The current transformers are in accordance with GB/T20840.1, 3 and IEC61869-1, 3 standards.
2. Rated insulation level: 12/42/75、7.2/32/60kV、24/65/125、40.5/95/200kV.
3. Rated frequency: 50Hz or 60Hz.

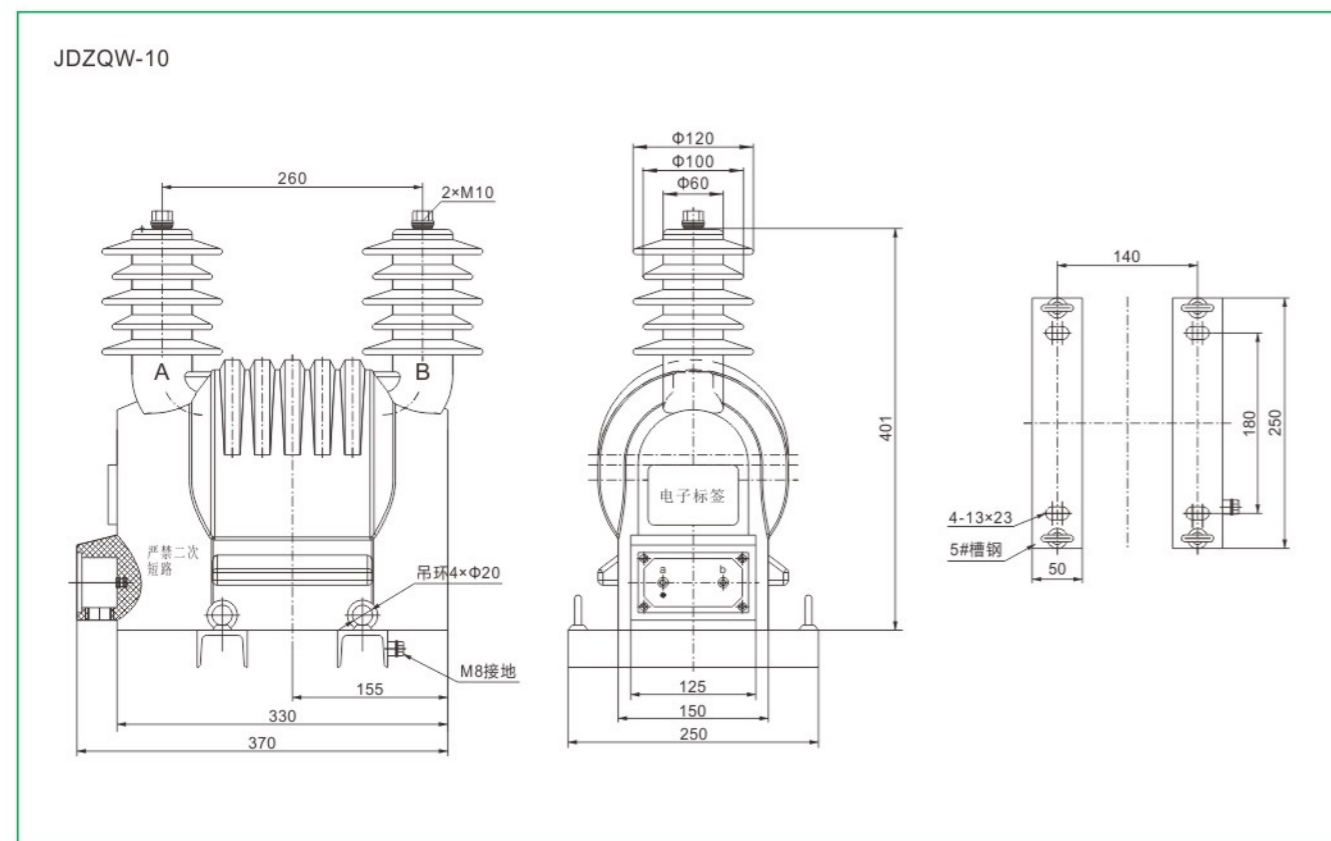
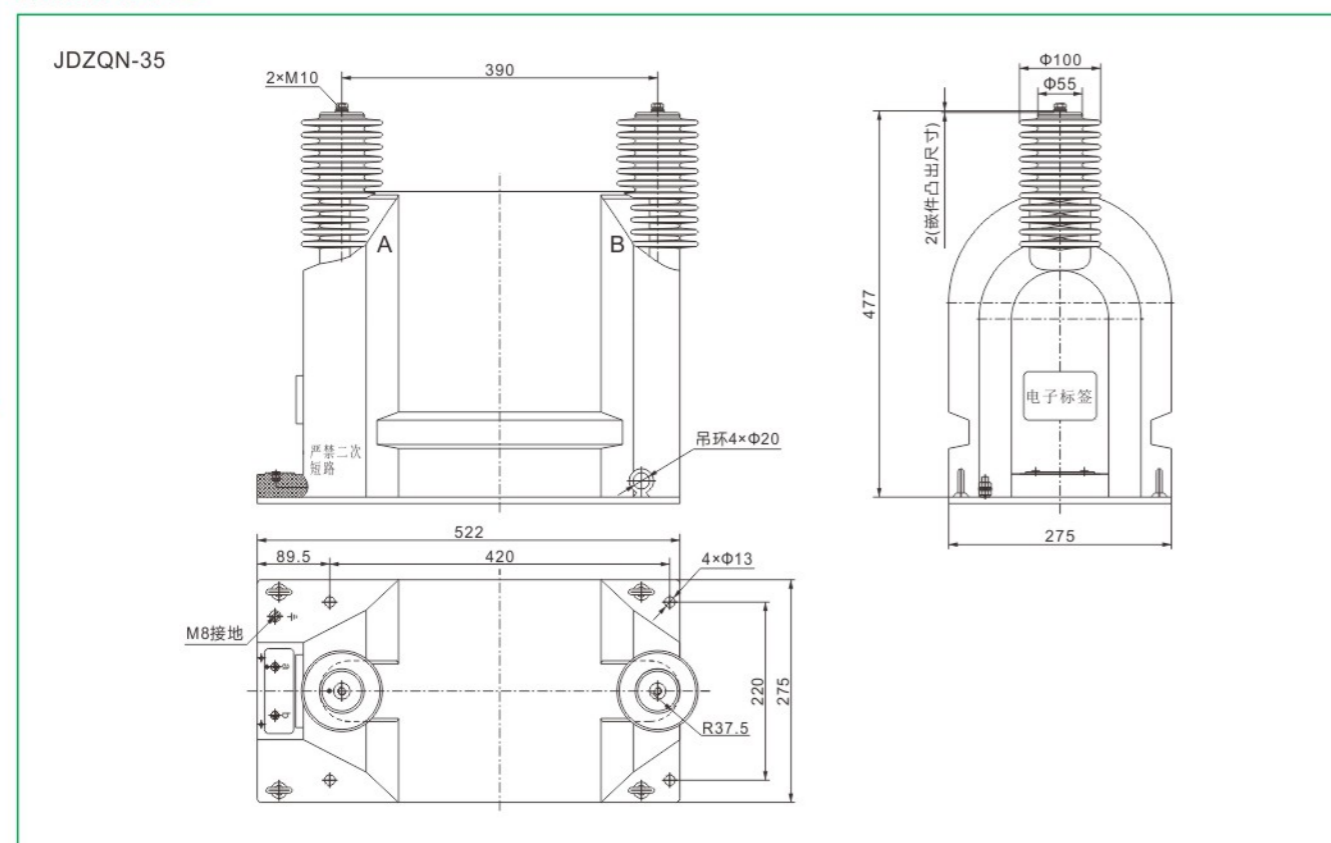
型号 Type	额定电压比 (kV) Rated voltage ratio	准确级组合 Class combination	准确级及额定输出(VA) COS $\Phi$ =0.8 Accuracy class and rated output		二次热极限输出(VA) Limiting thermal output of secondary winding
			0.2	0.5	
JDZQW-10 JDZQN-10	10/0.1	0.2 0.5	20	50	400
JDZQW-20 JDZQN-20	20/0.1				
JDZQW-35 JDZQN-35	35/0.1	0.2 0.5	20	50	400
JDZXW-10 JDZXN-10	10/√3/0.1/√3				
JDZXW-20 JDZXN-20	20/√3/0.1/√3				
JDZXW-35 JDZXN-35	35/√3/0.1/√3				

注: 如用户要求的参数超出上表范围, 可与我公司协商后确定。  
Note: If the required parameter is beyond the above range, it can be discussed and confirmed with us.

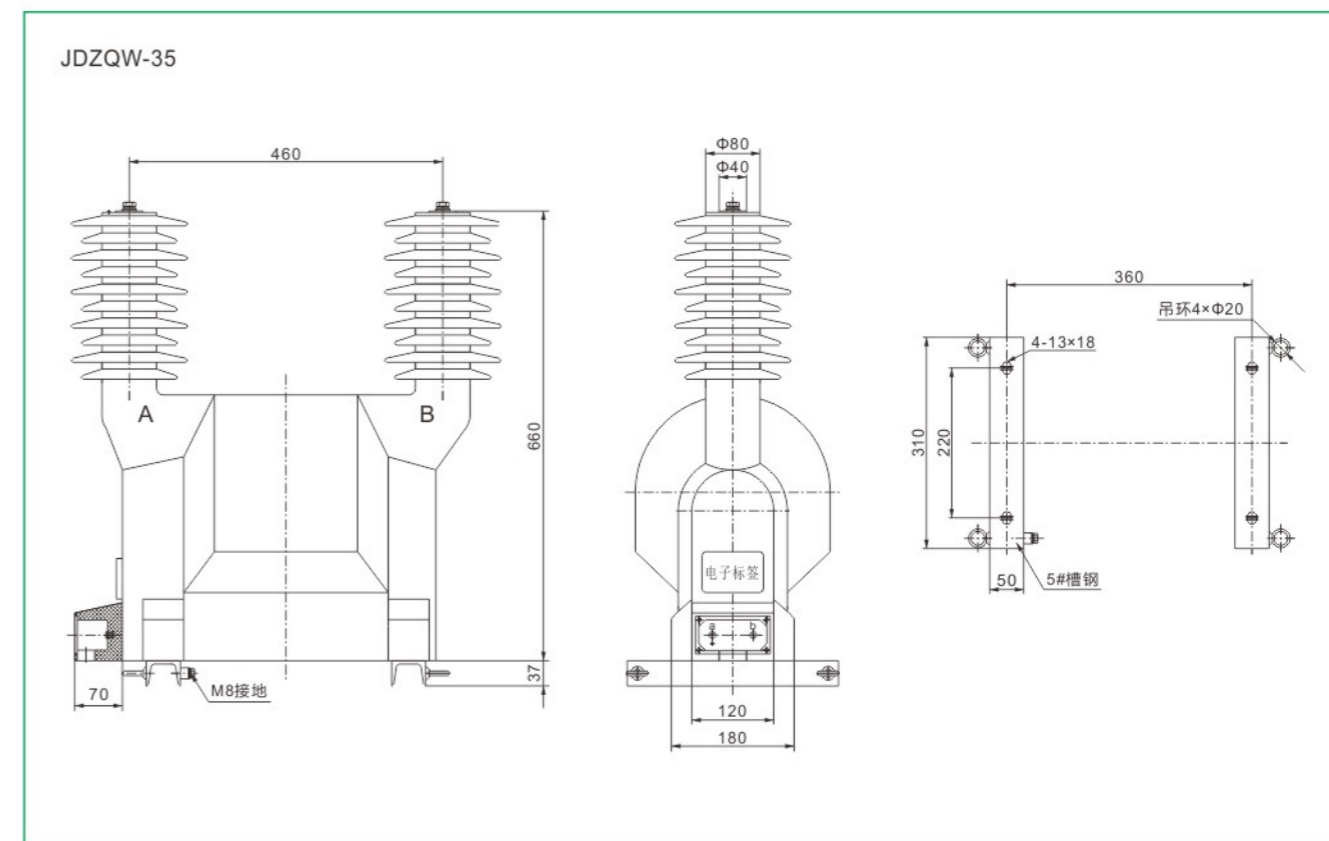
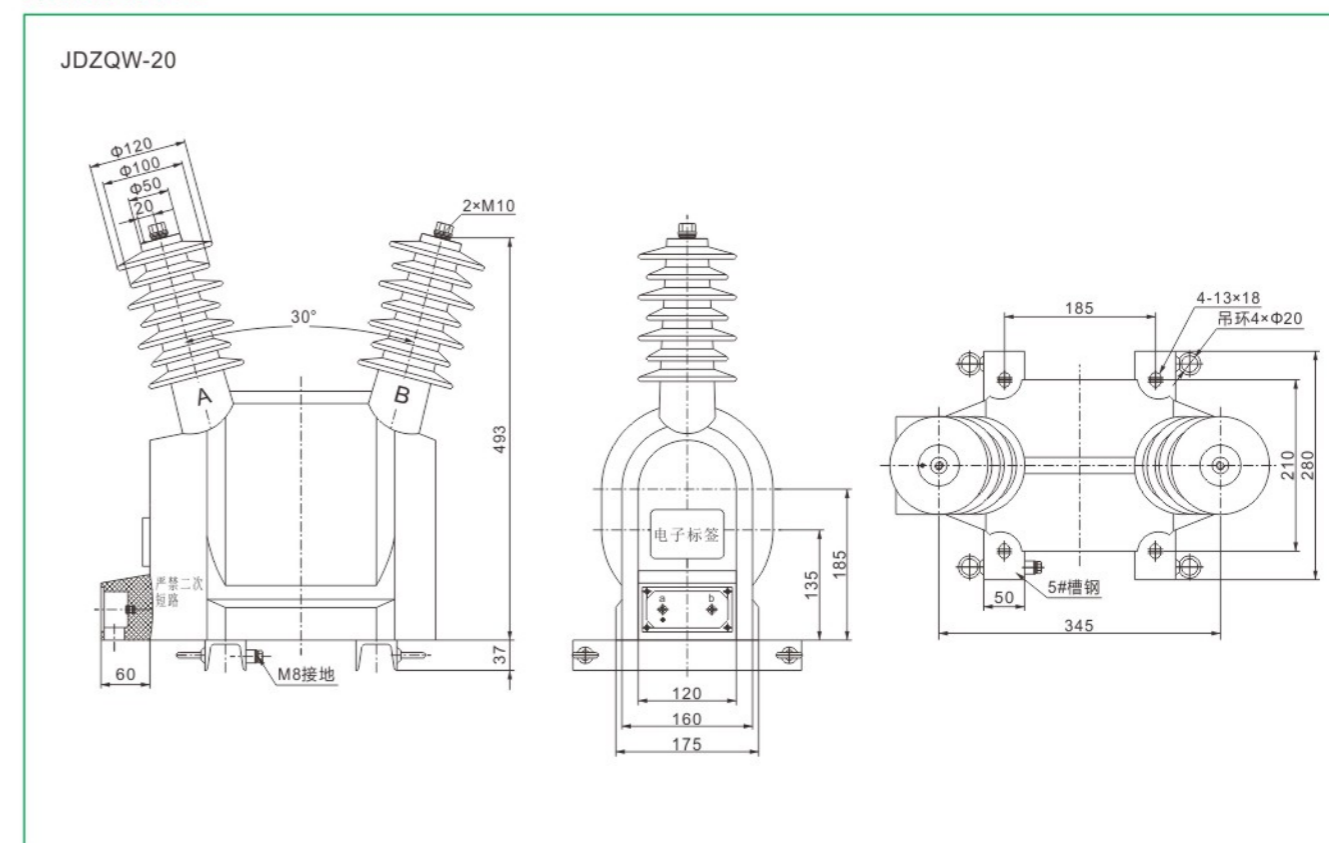
外形及安装尺寸



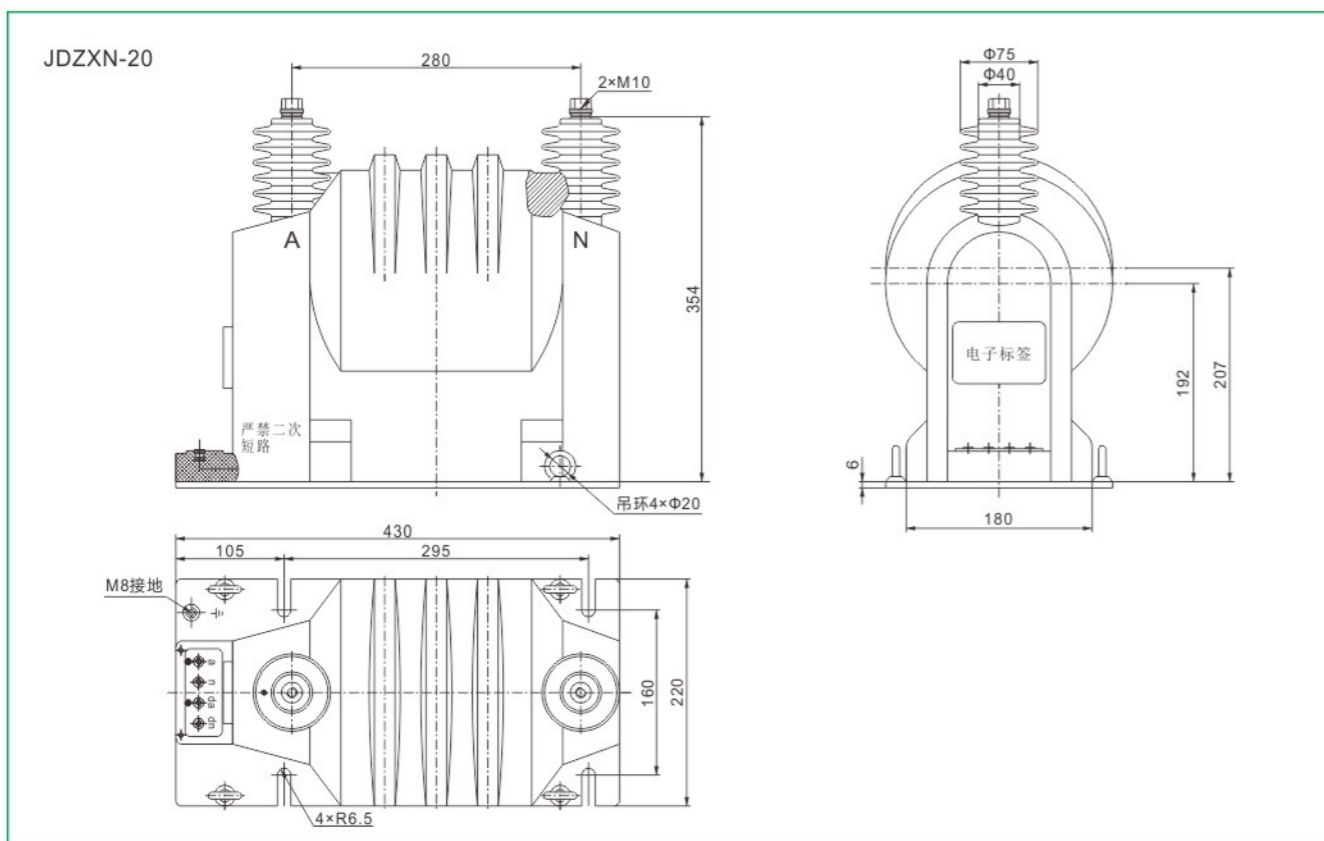
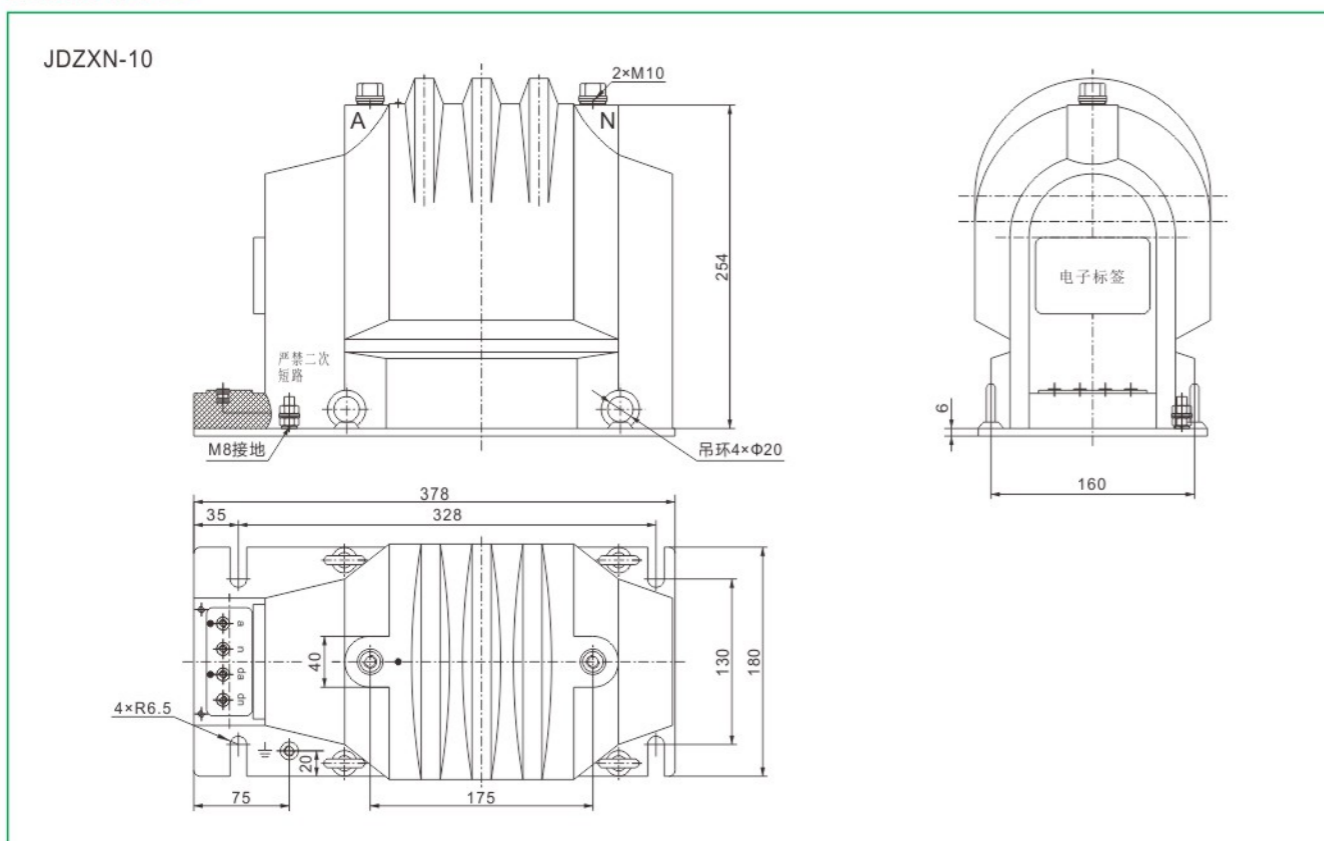
外形及安装尺寸



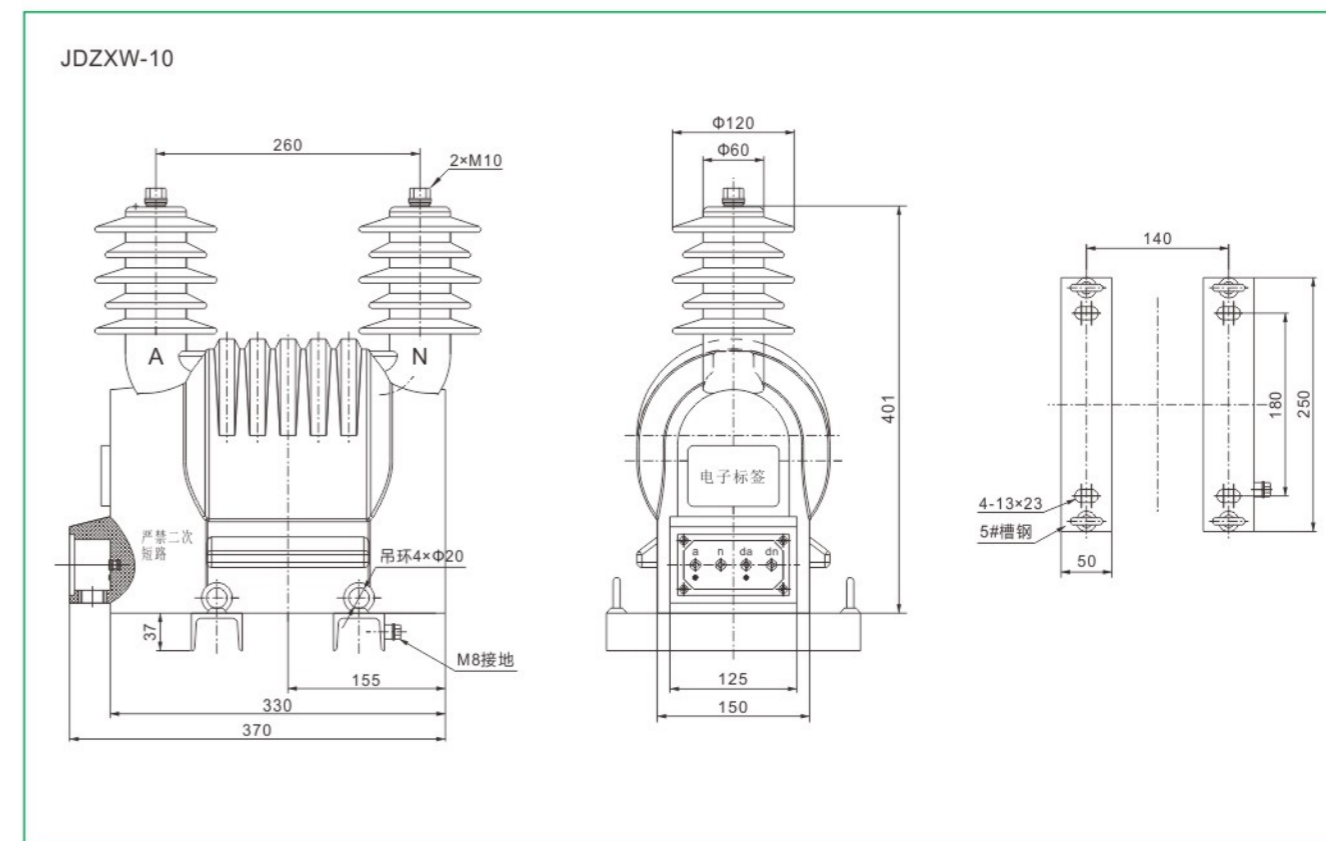
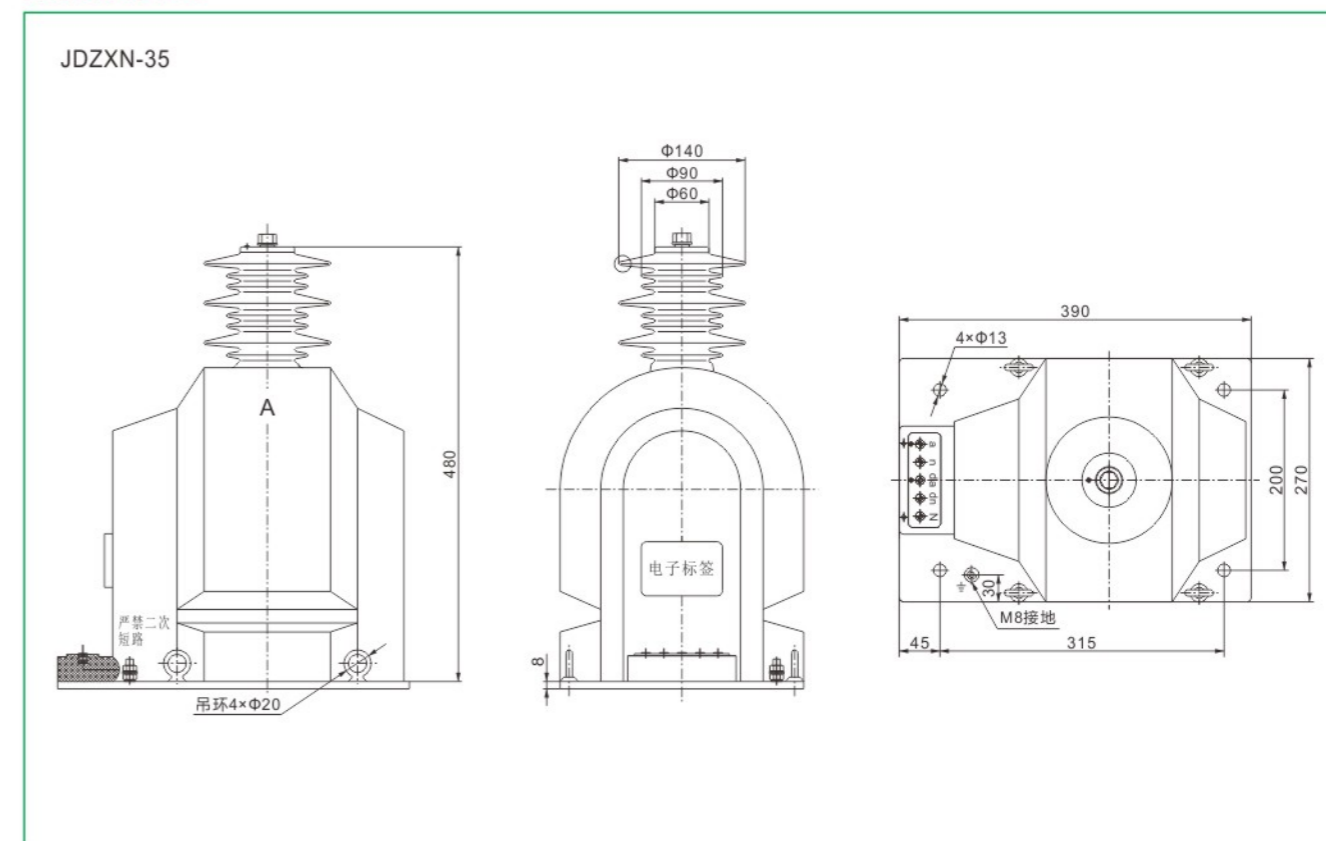
外形及安装尺寸



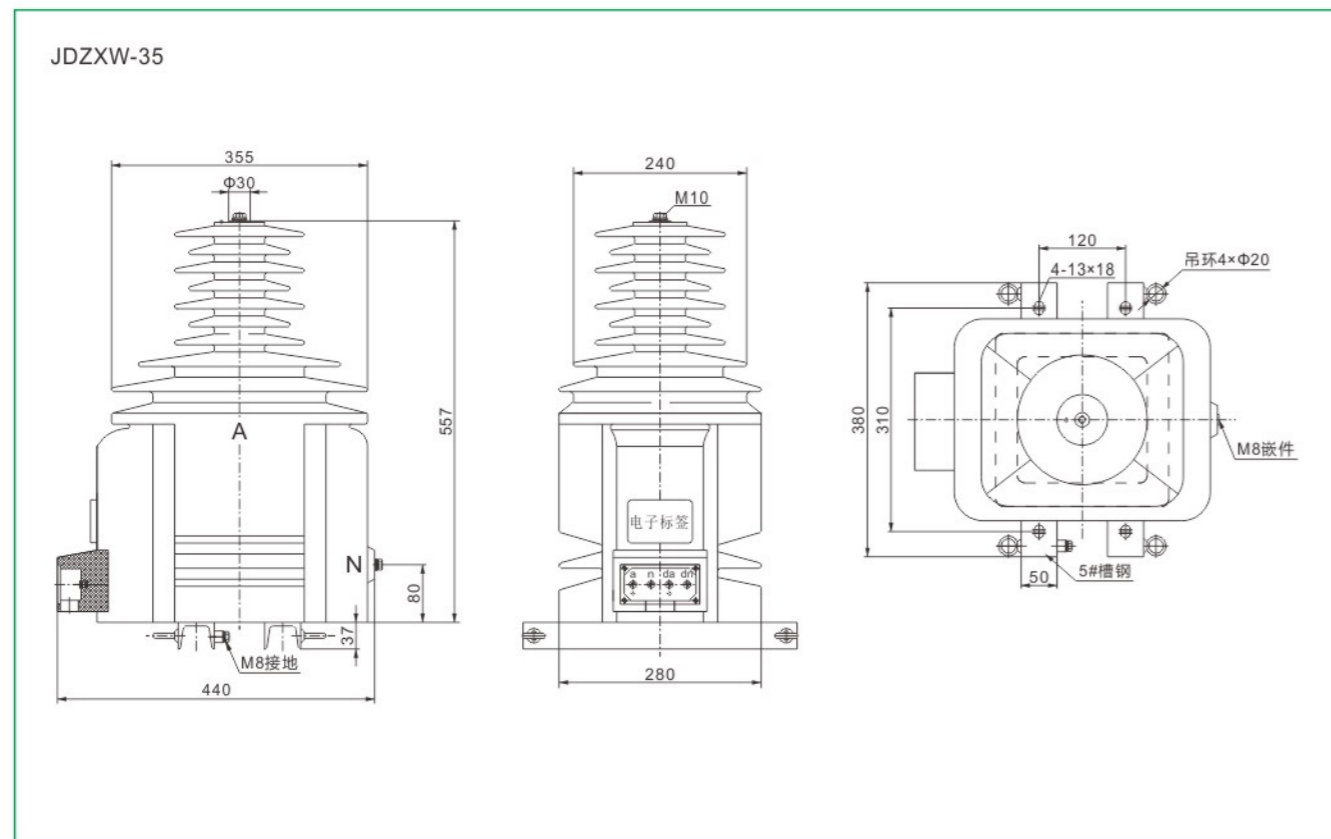
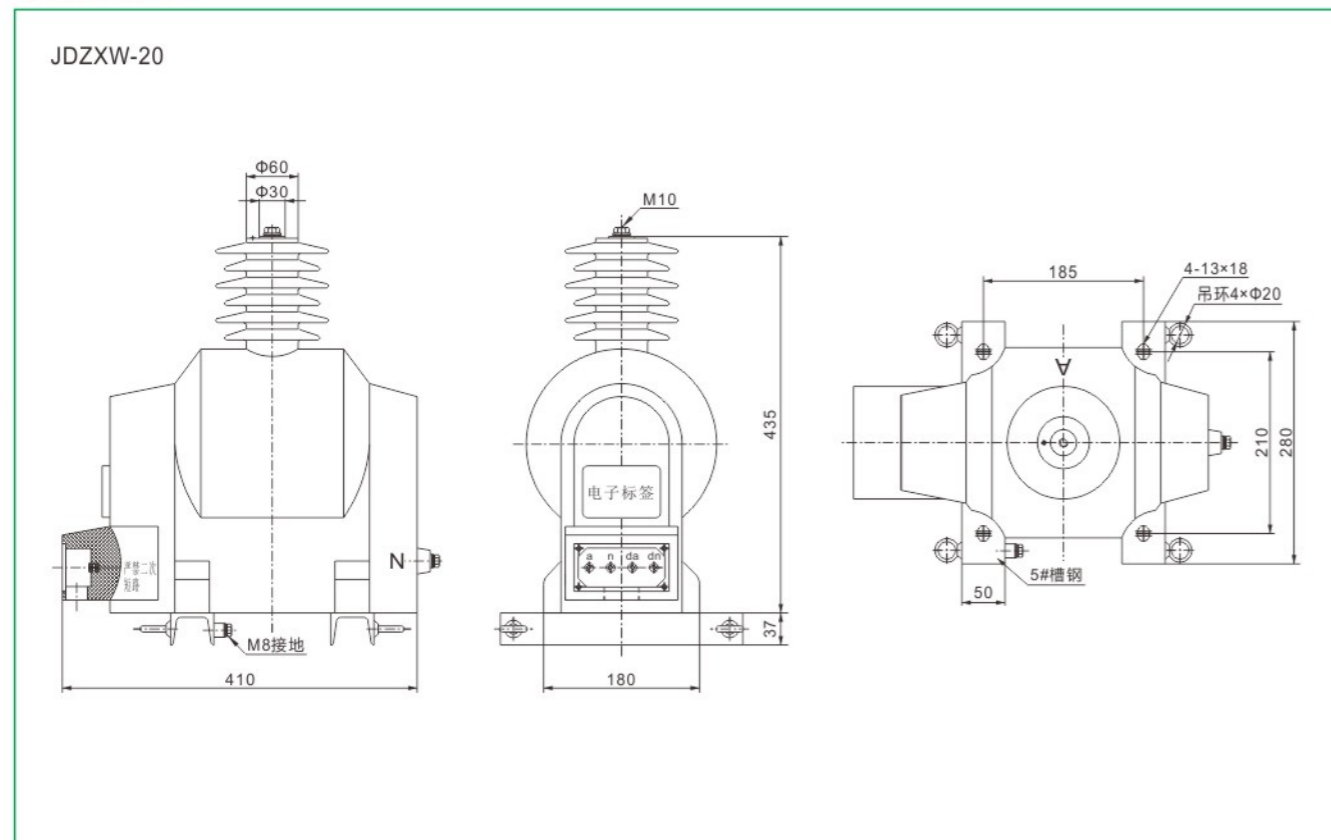
外形及安装尺寸



外形及安装尺寸



外形及安装尺寸



型号含义 Type description

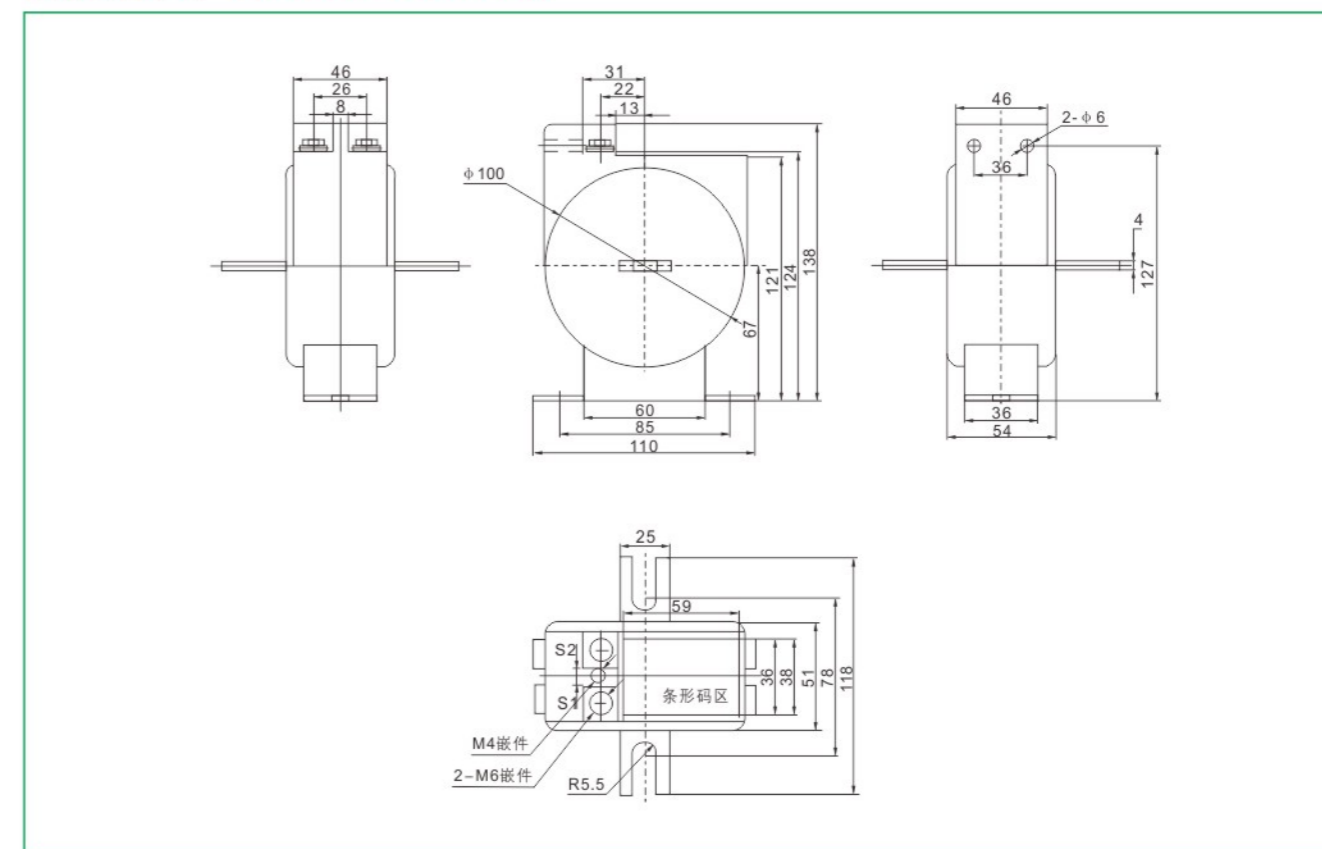


技术参数 Technical data

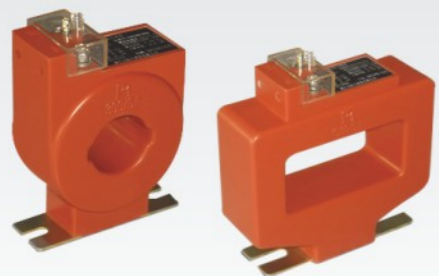
型号 Type	额定电流比 Rated ratio	准确度级别 Degree of accuracy	额定二次负荷 Rated load two times
LFZ1D-□1	10/5-60/5	0.2S、0.5S	5-2.5
	10/1-60/1	0.2S、0.5S	2.5-1

注：对上表所列数据，用户另有要求可与我公司协商确定。  
Note: the table, the user requires otherwise and I can negotiate.

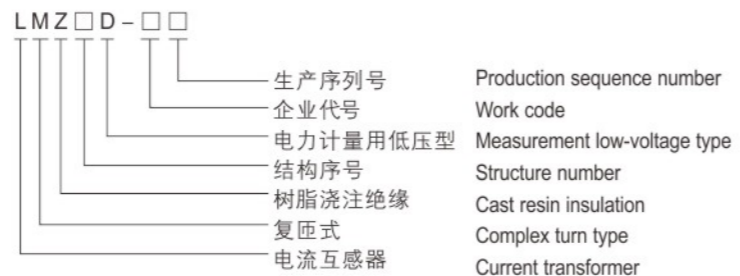
外形及安装尺寸 Overall dimension drawing







型号含义 Type description

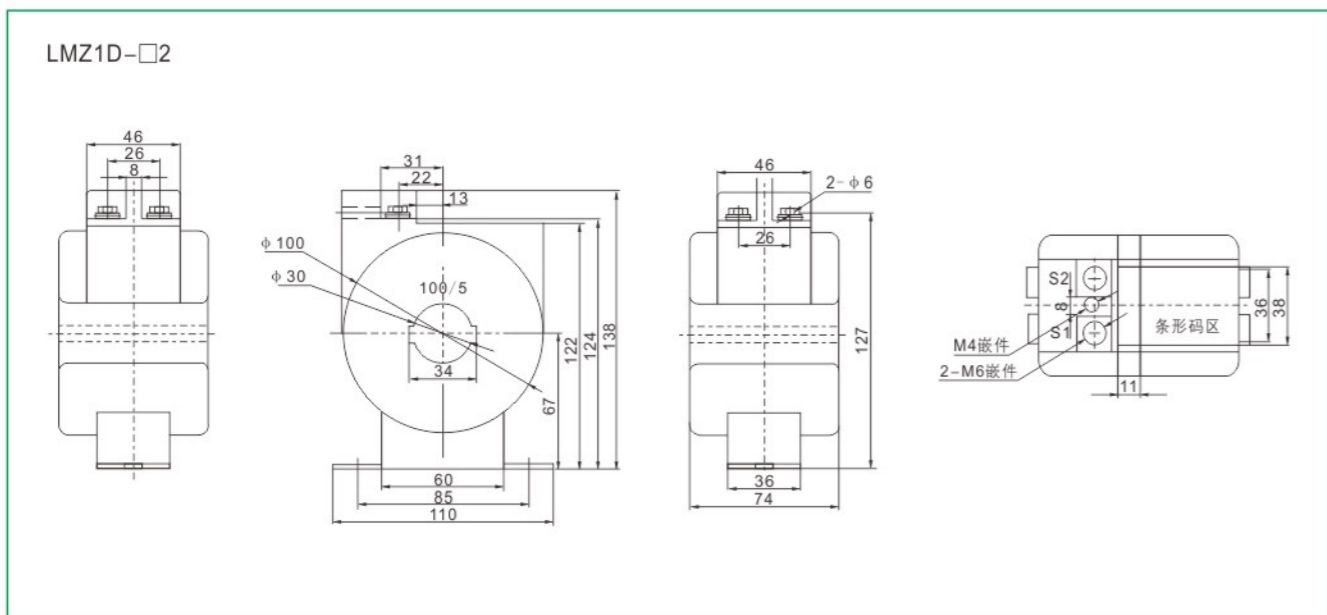


技术参数 Technical data

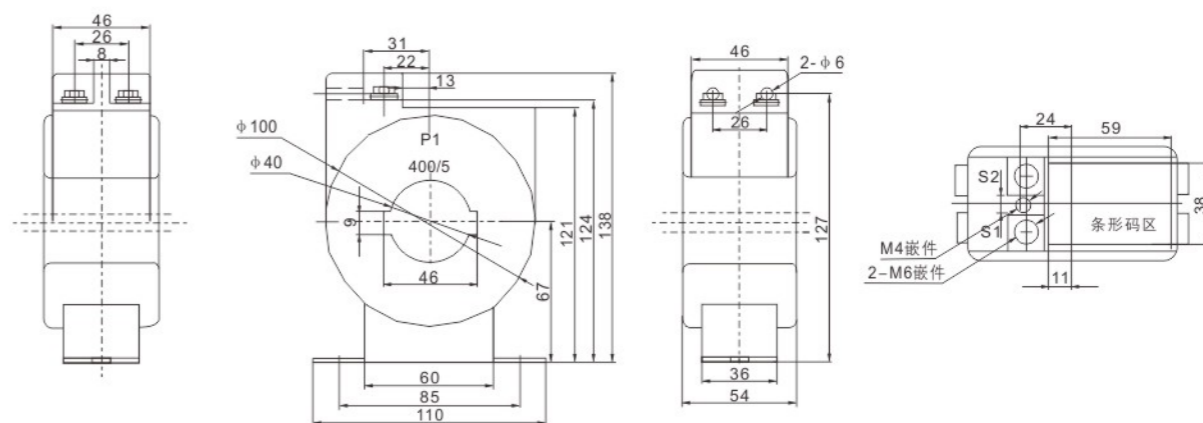
型号 Type	额定电流比 Rated ratio	准确度级别 Degree of accuracy	额定二次负荷 Rated load two times
LMZ1D-□2	75/5-200/5	0.2S、0.5S	5-2.5
	75/1-200/1	0.2S、0.5S	2.5-1
LMZ2D-□3	200/5-600/5	0.2S、0.5S	5-2.5
	200/1-600/1	0.2S、0.5S	2.5-1
LMZ3D-□4	600/5-800/5	0.2S、0.5S	10-3.75
	600/1-800/1	0.2S、0.5S	5-1
LMZ4D-□5	800/5-1500/5	0.2S、0.5S	10-3.75
	800/1-1500/1	0.2S、0.5S	5-1

注：对上表所列数据，用户另有要求可与我公司协商确定。  
Note: the table, the user requires otherwise and I can negotiate.

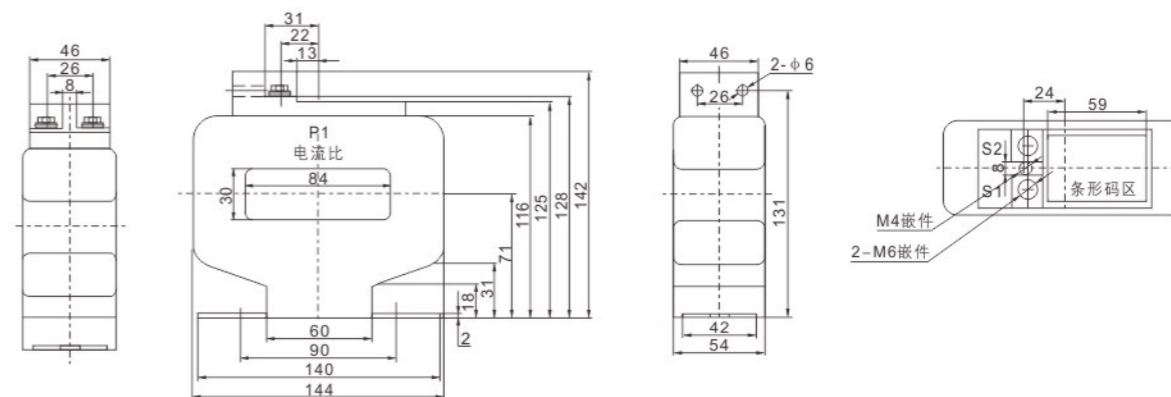
外形及安装尺寸 Overall dimension drawing



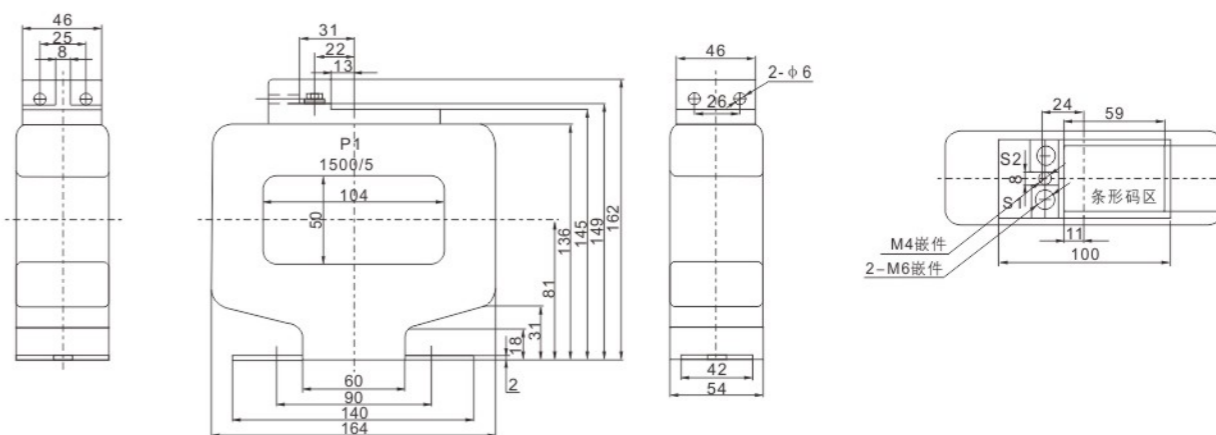
LMZ2D-□3



LMZ3D-□4



LMZ4D-□5





### 概述 Summary

适用于10kV高供高计专变大用户预付费管理、负控管理、防窃电管理和保护功能。

It is suitable for prepaid management, negative control management, electricity theft prevention management and protection functions of 10kV high-supply and high-meter specialized transformer users.

### 功能特点 Functional characteristics

1. 采集功能：远程自动采集表底、电流、电压、功率、功率因数、需量等数据；
  2. 预付费功能：可实现量控、费控、远程、本地一体化售电；基本电费、力调电费自动扣除；
  3. 催费功能：可实现声、光、短信报警，提醒用户交费；
  4. 防窃电功能：可实现门控、失压、断相、电流不平衡、强磁等报警；
  5. 保护功能：可实现过流速断，零序电流保护、过流保护等功能；
  6. 保电功能：可实现时段保电、节假日保电；
  7. 负控功能：可实现随时手动控制，定值负荷控制功能。
1. Acquisition function: collect data such as meter bottom, current, voltage, power, power factor, demand and so on remotely and automatically;
  2. Prepayment function: It can realize integrated electricity sales of quantity control, fee control, remote and local; Automatic deduction of basic electricity fee and power adjustment electricity fee;
  3. Charge reminder function: It can realize sound, light and short message alarm to remind users to pay fees;
  4. Anti-stealing function: it can realize alarm such as gate control, voltage loss, phase failure, current imbalance and strong magnetism;
  5. Protection function: It can realize the functions of overcurrent break, zero sequence current protection, overcurrent protection, etc.
  6. Power-saving function: It can realize power-saving in time and holidays;
  7. Negative control function: it can realize manual control at any time and constant load control function.

### 配置 Configuration

- |                   |   |
|-------------------|---|
| 1. 开关柜式预付费成套装置    | 1. Switchgear Prepaid Complete Equipment  |
| 2. 预付费控制设备        | 2. Prepaid control equipment              |
| 3. 计量电能表          | 3. Metering watt-hour meter               |
| 4. YH-S6000后台售电系统 | 4. YH-S6000 background power sales system |
| 5. 其它附属设备         | 5. Other ancillary equipment              |

### YFF-10A 落地式预付费控制柜 Floor type prepaid control cabinet

高压开关式预付费装置采用互感器、真空断路器、计量室一体化设计。互感器与计量箱连接电缆封闭不外露。加装保护测控装置，可完成三段过流保护、零序保护、故障隔离保护等功能。保护装置可加装通讯模块，实现短信报警功能。断路器采用操动机构与断路器本体一体式设计。真空灭弧室采用固封工艺绝缘性能稳定、可靠；主回路采用复合绝缘，体积小，节省空间，而且能有效保护真空灭弧室受冲击和碰撞的影响。电压、电流互感器采用环氧树脂浇注，按V/V接线方式安装。电压、电流互感器独立安装，可灵活更换电流单元。真空开关额定电压12kV，额定电流630A，机械寿命20000次。

The high-voltage switch prepayment device adopts the integrated design of transformer, vacuum circuit breaker and metering room. The connecting cable between transformer and metering box is closed and not exposed. The protection measurement and control device can complete three-stage overcurrent protection, zero sequence protection, fault isolation protection and other functions. The protection device can be equipped with a communication module to realize the short message alarm function. The circuit breaker adopts the integrated design of operating mechanism and circuit breaker body. The vacuum interrupter adopts solid sealing technology, and its insulation performance is stable and reliable. The main circuit adopts composite insulation, which is small in size, saves space, and can effectively protect the vacuum interrupter from impact and collision. The voltage and current transformers are cast with epoxy resin and installed in V/V connection mode. The voltage and current transformers are installed independently, and the current unit can be replaced flexibly. The vacuum switch has a rated voltage of 12kV, a rated current of 630A and a mechanical life of 20,000 times.

### 预付费控制终端 Prepaid control terminal

可选用不同型号的控制终端，实现本地费控或远程GPRS/GSM主站费控。远程控制终端支持多种规约与主站及电度表通讯，可采集4块多功能电子表，也可以采集当地保护测控装置数据，支持标准后台系统的接入。设备本身具备采集、费控、保电及催费告警功能，并可实现开门报警，电压、电流监测报警和强磁监测报警等防窃电功能。

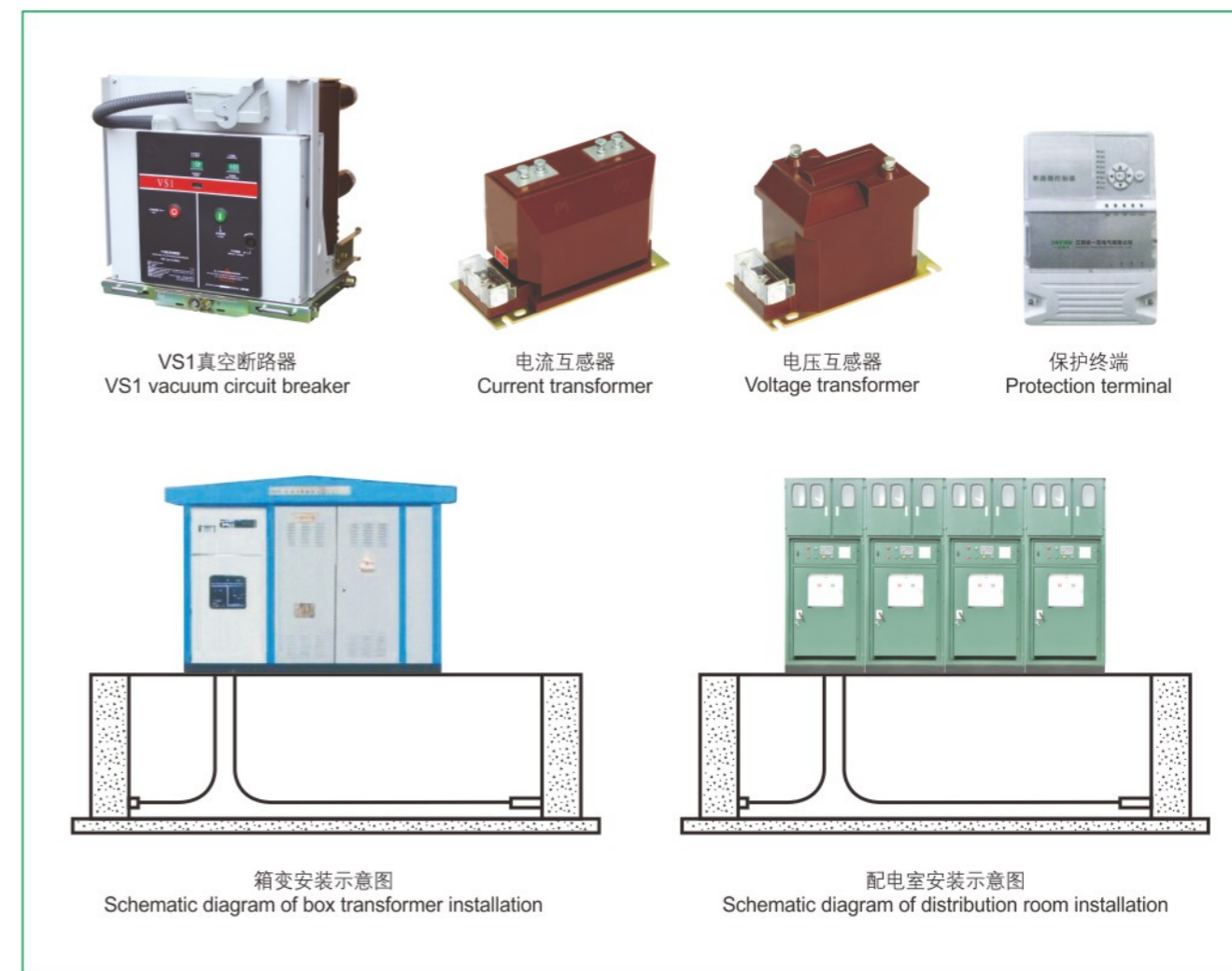
Different types of control terminals can be selected to realize local charge control or remote GPRS/GSM master station charge control. The remote control terminal supports multiple protocols to communicate with the master station and watt-hour meter, and can collect four multifunctional electronic meters, as well as the data of local protection measurement and control devices, and support the access of standard background systems. The equipment itself has the functions of collection, charge control, power protection and charge alarm, and can realize the functions of preventing electricity theft such as opening door alarm, voltage and current monitoring alarm and strong magnetic monitoring alarm.

### 售电后台 Sales background

实现高低压一体化售电、实现远程本地一体化售电；支持多种规约终端的数据采集；支持联网售电；远程预付费支持基本电费、力调电费自动扣除；支持全局报警；远程预付费支持无线通道异常保护功能；支持短信提醒设备异常及余额不足信息功能；支持费控用户状态查询、分类统计缴费记录功能等。

Realize high and low voltage integrated power sales and realize remote local integrated power sales; Support data acquisition of terminals with multiple protocols; Support online sales fees; Remote prepayment supports automatic deduction of basic electricity bill and power adjustment electricity bill; Support global alarm; Remote prepaid support wireless channel anomaly protection function; Support SMS to remind equipment of abnormal and insufficient balance information; Support the functions of querying the status of fee control users, classifying and counting payment records, etc.

### 安装示意图 Installation diagram





### 概述 Summary

适用于6~10kV高供高计电力用户预付费管理、负荷控制管理、防窃电管理、环网应用功能。

It is suitable for prepaid management, load control management, electricity theft prevention management and ring network application functions of 6~10kV high power users.

### 功能特点 Functional characteristics

1. 采集功能：远程自动采集表底、电流、电压、功率、功率因数、需量等数据；
  2. 预付费功能：可实现量控、费控、远程、本地一体化售电；基本电费、力调电费自动扣除；
  3. 催费功能：可实现声、光、短信报警，提醒用户交费；
  4. 防窃电功能：可实现门控、失压、断相、电流不平衡、强磁等报警；
  5. 保护功能：可实现过流速断等功能；
  6. 保电功能：可实现时段保电、节假日保电；
  7. 负控功能：可实现随时手动控制，定值负荷控制功能。
1. Acquisition function: collect data such as meter bottom, current, voltage, power, power factor, demand and so on remotely and automatically;
  2. Prepayment function: It can realize integrated electricity sales of quantity control, fee control, remote and local; Automatic deduction of basic electricity fee and power adjustment electricity fee;
  3. Charge reminder function: It can realize sound, light and short message alarm to remind users to pay fees;
  4. Anti-stealing function: it can realize alarm such as gate control, voltage loss, phase failure, current imbalance and strong magnetism;
  5. Protection function: It can realize functions such as over-flow rate interruption.
  6. Power-saving function: It can realize power-saving in time and holidays;
  7. Negative control function: it can realize manual control at any time and constant load control function.

### 配置 Configuration

- |                   |   |
|-------------------|---|
| 1. 开关柜式预付费成套装置    | 1. Switchgear Prepaid Complete Equipment  |
| 2. 预付费控制设备        | 2. Prepaid control equipment              |
| 3. 计量电能表          | 3. Metering watt-hour meter               |
| 4. YH-S6000后台售电系统 | 4. YH-S6000 background power sales system |
| 5. 其它附属设备         | 5. Other ancillary equipment              |

### YFF-10B 落地式预付费控制柜 Floor type prepaid control cabinet

落地式预付费控制装置采用互感器、真空断路器、计量箱一体化设计。电缆入地接线，可用于环网，也可用于终端。小型倒置式真空断路器采用三相支柱式结构，固封工艺绝缘稳定、可靠；小型弹簧操动机构，直动传输方式，储能电机功率小，分合闸能耗低，零部件数量少，可靠性高。电压互感器采用优质硅橡胶浇注，按V/V接线方式安装。电压、电流互感器独立安装，可灵活更换电流单元。真空开关额定电压10kV，额定电流630A，机械寿命300000次。电流互感器可选用单、双变比。

The floor-mounted prepayment control device adopts the integrated design of transformer, vacuum circuit breaker and metering box. Cable grounding connection can be used for ring network or terminal. Small inverted vacuum circuit breaker adopts three-phase pillar structure, and the insulation of solid sealing process is stable and reliable; Small spring operating mechanism, direct transmission mode, low power of energy storage motor, low energy consumption of opening and closing, small number of parts and high reliability. The voltage transformer is poured with high quality silicone rubber and installed in V/V connection mode. The voltage and current transformers are installed independently, and the current unit can be replaced flexibly. The rated voltage of vacuum switch is 10kV, the rated current is 630A, and the mechanical life is 300,000 times. Current transformer can choose single and double transformation ratio.

### 预付费控制终端 Prepaid control terminal

可选用不同型号的控制终端，实现本地费控或远程GPRS/GSM主站费控。远程控制终端支持多种规约与主站及电度表通讯，可采集4块多功能电子表，也可以采集当地保护测控装置数据，支持标准后台系统的接入。设备本身具备采集、费控、保电及催费告警功能，并可实现开门报警，电压、电流监测报警和强磁监测报警等防窃电功能。

Different types of control terminals can be selected to realize local charge control or remote GPRS/GSM master station charge control. The remote control terminal supports multiple protocols to communicate with the master station and watt-hour meter, and can collect four multifunctional electronic meters, as well as the data of local protection measurement and control devices, and support the access of standard background systems. The equipment itself has the functions of collection, charge control, power protection and charge alarm, and can realize the functions of preventing electricity theft such as opening door alarm, voltage and current monitoring alarm and strong magnetic monitoring alarm.

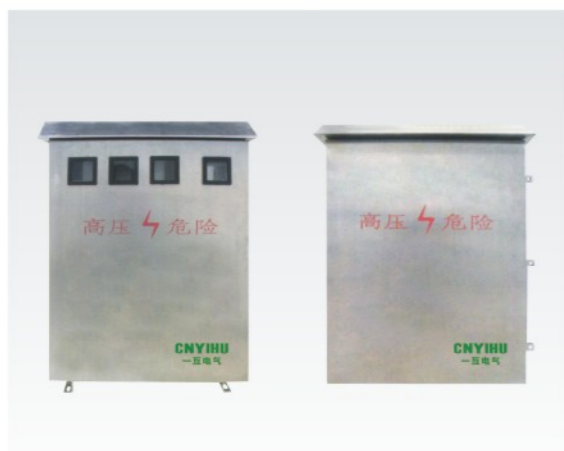
### 售电后台 Sales background

实现高低压一体化售电、实现远程本地一体化售电；支持多种规约终端的数据采集；支持联网售电；远程预付费支持基本电费、力调电费自动扣除；支持全局报警；远程预付费支持无线通道异常保护功能；支持短信提醒设备异常及余额不足信息功能；支持费控用户状态查询、分类统计缴费记录功能等。

Realize high and low voltage integrated power sales and realize remote local integrated power sales; Support data acquisition of terminals with multiple protocols; Support online sales fees; Remote prepayment supports automatic deduction of basic electricity bill and power adjustment electricity bill; Support global alarm; Remote prepaid support wireless channel anomaly protection function; Support SMS to remind equipment of abnormal and insufficient balance information; Support the functions of querying the status of fee control users, classifying and counting payment records, etc.

### 安装示意图 Installation diagram





### 概述 Summary

适用于0.4kV线路、台变等低压用户预付费管理及负荷控制功能。  
It is suitable for prepaid management and load control functions of low-voltage users such as 0.4kV lines and substations.

### 功能特点 Functional characteristics

- 采集功能：远程自动采集表底、电流、电压、功率、功率因数、需量等数据；
  - 预付费功能：可实现量控、费控、远程、本地一体化售电；基本电费、力调电费自动扣除；
  - 催费功能：可实现声、光、短信报警，提醒用户交费；
  - 防窃电功能：可实现门控、失压、断相、电流不平衡、强磁等报警；
  - 保护功能：可实现时段保电、节假日保电；
  - 保电功能：可实现随时手动控制，定值负荷控制功能；
  - 负控功能：计量箱一分为二，计量侧将电源进线、CT、电能表、预付费终端和控制线密封，用户侧包括电源出线、控制把手和指示灯。
- Acquisition function: collect data such as meter bottom, current, voltage, power, power factor, demand and so on remotely and automatically;
  - Prepayment function: It can realize integrated electricity sales of quantity control, fee control, remote and local; Automatic deduction of basic electricity fee and power adjustment electricity fee;
  - Charge reminder function: It can realize sound, light and short message alarm to remind users to pay fees;
  - Anti-stealing function: it can realize alarm such as gate control, voltage loss, phase failure, current imbalance and strong magnetism;
  - Protection function: It can realize power-saving in time and holidays;
  - Power-saving function: It can realize the functions of manual control and constant load control at any time;
  - Negative control function: The metering box is divided into two parts. The metering side seals the power inlet line, CT, watt-hour meter, prepaid terminal and control line. The user side includes the power outlet line, control handle and indicator light.

### 配置 Configuration

- |   |   |
|---|---|
| 1. JXF-0.66低压预付费装置<br>小于100kVA变压器配置JXF-0.66-225L型装置<br>100~200kVA变压器配置JXF-0.66-400L型装置<br>大于200kVA变压器配置JXF-0.66-630L型装置 | 1. JXF-0.66 low-voltage prepayment device<br>Transformer less than 100kVA is equipped with JXF-0.66-225L type device<br>100~200kVA transformer is equipped with JXF-0.66-400L type device<br>Transformer larger than 200kVA are equipped with JXF-0.66-630L type device |
| 2. 预付费控制设备  | 2. Prepaid control equipment  |
| 3. 计量电能表  | 3. Metering watt-hour meter   |
| 4. JXF-0.66后台售电系统   | 4. JXF-0.66 background power sales system   |
| 5. 其它附属设备   | 5. Other ancillary equipment  |

### JXF-0.66 低压预付费装置 Low-voltage prepayment device

JXF-0.66装置由电流互感器、低压断路器(可选交流接触器)、电能表及预付费终端组成。箱体采用双室设计，分为用户操作室和计量室，开关密封在两个室中间。计量室主要有电能表、预付费终端、计量互感器、报警装置、电源进线接口；用户室有电源出现接口、用户分合闸手动操作点及电动操作按钮、分合闸指示灯。

JXF-0.66 device consists of current transformer, low voltage circuit breaker (optional AC contactor), electric energy meter and prepaid terminal. The box adopts double-chamber design, which is divided into user operation room and metering room, and the switch is sealed between the two rooms. The metering room mainly includes electric energy meter, prepaid terminal, metering transformer, alarm device and power inlet interface. The user room is provided with a power supply interface, manual operation points and electric operation buttons of user opening and closing, and opening and closing indicator lights.

### 预付费控制终端 Prepaid control terminal

可选用不同型号的控制终端，实现本地费控或远程GPRS/GSM主站费控。远程控制终端支持多种规约与主站及电度表通讯，可采集4块多功能电子表，也可以采集当地保护测控装置数据，支持标准后台系统的接入。设备本身具备采集、费控、保电及催费告警功能，并可实现开门报警，电压、电流监测报警和强磁监测报警等防窃电功能。

Different types of control terminals can be selected to realize local charge control or remote GPRS/GSM master station charge control. The remote control terminal supports multiple protocols to communicate with the master station and watt-hour meter, and can collect four multifunctional electronic meters, as well as the data of local protection measurement and control devices, and support the access of standard background systems. The equipment itself has the functions of collection, charge control, power protection and charge alarm, and can realize the functions of preventing electricity theft such as opening door alarm, voltage and current monitoring alarm and strong magnetic monitoring alarm.

### 售电后台 Sales background

实现高低压一体化售电、实现远程本地一体化售电；支持多种规约终端的数据采集；支持联网售电；远程预付费支持基本电费、力调电费自动扣除；支持全局报警；远程预付费支持无线通道异常保护功能；支持短信提醒设备异常及余额不足信息功能；支持费控用户状态查询、分类统计缴费记录功能等。

Realize high and low voltage integrated power sales and realize remote local integrated power sales; Support data acquisition of terminals with multiple protocols; Support online sales fees; Remote prepayment supports automatic deduction of basic electricity bill and power adjustment electricity bill; Support global alarm; Remote prepaid support wireless channel anomaly protection function; Support SMS to remind equipment of abnormal and insufficient balance information; Support the functions of querying the status of fee control users, classifying and counting payment records, etc.

### 安装示意图 Installation diagram

