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电力计量箱组合互感器 Electricity measuring tank combined transformer

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Electricity measuring tank combined transformer

电力计量箱 组合互感器



执行标准

Carry out in accordance with standards

GB20840.1-2010及GB20840.3-2013 《电压互感器》
GB20840.1-2010 and GB20840.3-2013 Voltage transformer
GB20840.1-2010及GB20840.2-2014 《电流互感器》
GB20840.1-2010 and GB20840.2-2014 Current transformer
GB17201-2007 《组合互感器》
GB17201-2007 Combined transformer
IEC185 《电流互感器》
IEC185 Current transformer
IEC186 《电压互感器》
IEC186 Voltage transformer

JLSZW□-6,10型户外高压电力计量箱 JLSZW□-6,10 Type outdoor HV electric measuring tank

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概述 Summary



JLSZW□-6,10型三相户外干式高压电力计量箱(组合互感器),由两台或三台单相电压互感器(PT)及电流互感器(CT)组成,PT、CT均为电磁式,本型互感器适用于额定频率50Hz三相交流、额定电压为6kV、10kV电网上用作电能计量,并安装在供电变压器的高压侧,仪表箱内装三相有功电表及无功电表,是用来直接测量高压线路中有功和无功电能电测设备。

JLSZW□-6,10 three-phase outdoor dry type high-voltage electric measuring tank(combined transformer) is made up of two or three single-phase voltage transformers (PT) and current transformers(CT).PT and CT are both electromagnetic type. This type of transformer is applicable to 50Hz(rated frequency),three-phase AC,6kV,10kV (rated voltage) electric net for power measuring. It is fixed on the high-voltage side of power supply transformer. There is one three-phase active watt-hour meter and one reactive watt-hour meter installed inside the measuring tank, which are used to directly measure active and reactive electric appliance in high-voltage circuits.

型号含义 Type designation



技术参数 Technical parameter

1、额定电压: 10kV、6kV;

Rated voltage : 10kV、6kV

2、准确等级: 0.5和0.2级 0.5S和0.2S级;

Accuracy class: 0.5 and 0.2 class 0.5S and 0.2S class

JLSZW□-6,10型户外高压电力计量箱

JLSZW□-6,10 Type outdoor HV electric measuring tank

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外形及安装尺寸 Elementary diagram

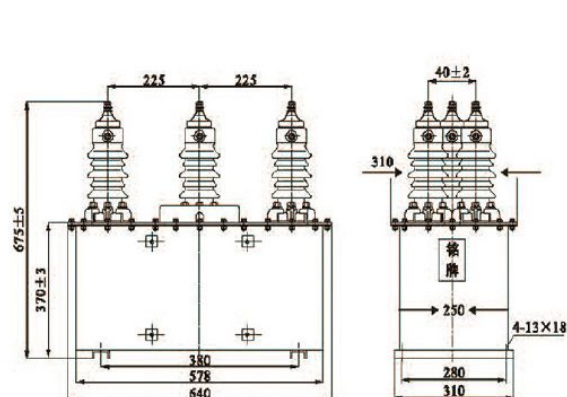


图1: 10kV三相三线干式高压电力计量箱
(三相二元件) 外形及安装尺寸图
Diagram1: 10kv three-phase three-wire dry
high-voltage electric measuring tank
(three-phase two-component) outline and installation dimension

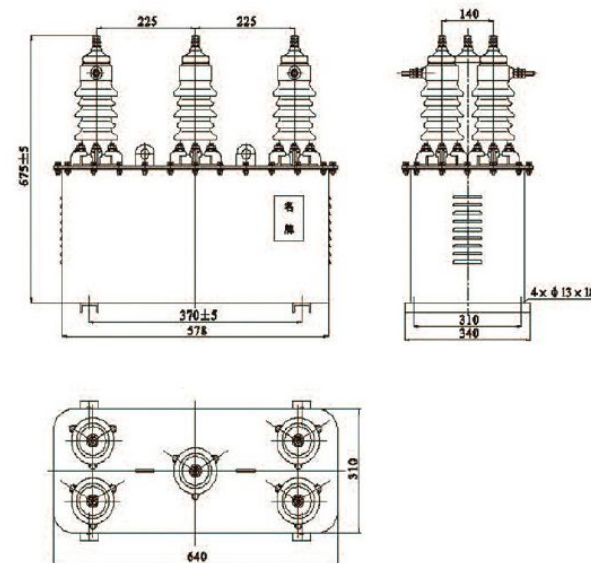
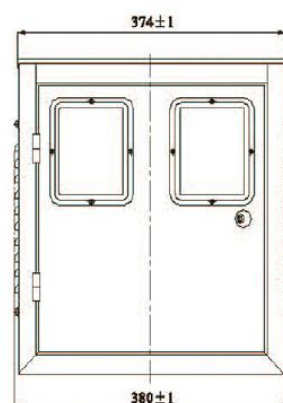
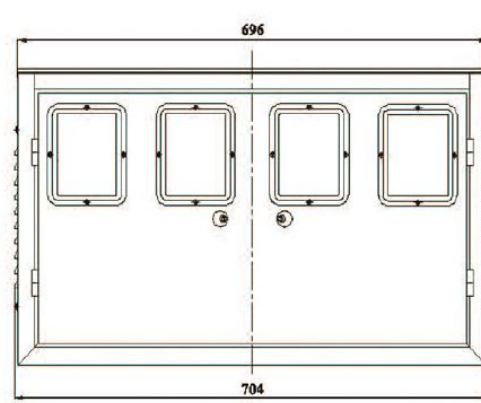


图2: 10kV三相四线干式高压电力计量箱
(三相三元件) 外形及安装尺寸图
Diagram2: 10kv three-phase four-wire dry
high-voltage electric measuring tank
(three-phase three-component) outline and installation dimension

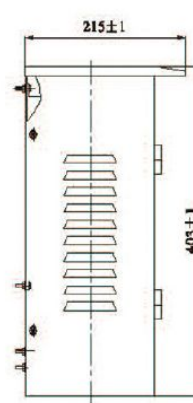
电表箱外形圈 Outline diagram of metering tank



单相计量电表箱
Single-phase metering tank



双相计量电表箱
Two-phase metering tank



JLS-6,10,35型高压电力计量箱

JLS-6,10,35 Model high-voltage electric measuring tank

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概述 Summary

本产品主要由组合互感器和电度表箱两部分组成，组合互感器由两台或三台单相电压互感器和电流互感器组成，用25#变压器油作绝缘介质，一、二次出线端均用瓷套管安装在面板上。电度表箱装在组合互感器侧面，由一只有功电度表和一只无功电度表组成，具有计量精度高、重量轻、安装方便、防窃电等优点。

该型电能计量箱适用于户外额定电压6、10、35kV、额定频率50Hz的三相系统网路上。

The product mainly consists two parts, combined transformer and watt-hour meter tank. The former is made up of two or three single-phase voltage transformer and current transformer, which adopts 25# mutual inductor oil as insulating medium and whose primary and secondary line ends are both installed on the panel by porcelain bushing. Watt-hour meter tank is fixed on the side of combined transformer and comprises one active watt-hour meter and reactive watt-hour meter, which has high-precision measurement, light weight, convenient install-ation and electricity theft resistance.

The power measuring tank is applicable to three-phase system net with rated voltage of 6,10,35kv and rated frequency of 50Hz.

型号含义 Type designation



技术参数 Technical parameter

1. 产品性能符合GB17201-2007;
2. 额定电压: 6kV、10kV、35kV;
3. 准确等级: 0.5和0.2级、0.5S和0.2S级;
4. 额定变比: 电压比 6000/100 10000/100 35000/100
电流比 5 ~ 300/5(大电流变比可以定作)

1. The product function is in accordance with GB17201-2007;
2. Rated Voltage: 6kV, 10kV, 35kV;
3. Accurate Grade : 0.5 and 0.2 0.5S and 0.2S
4. Rated Ratio: ratio-voltage 6000/100 10000/100 35000/100
ratio-current 5 ~ 300/5 (high ratio-current can made to order)

JLS-6,10,35型高压电力计量箱

JLS-6,10,35 Model high-voltage electric measuring tank

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组合互感器技术参数 Technical parameter of combined transformer

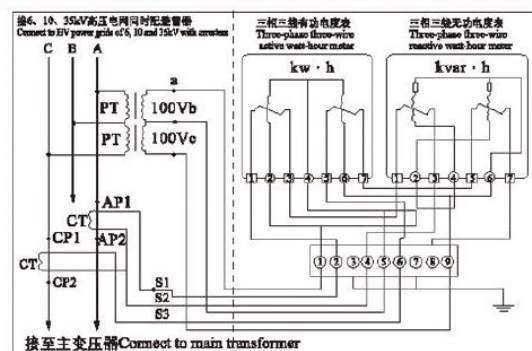
型号 Model	额定电压比 Rated voltage Ratio (V)	额定电流比 Rated current Ratio (A)	频率 Frequency (Hz)	电压互感器准确等级及 额定输出(VA) Voltage transformer Accurate grade and Rated output(VA)		电流互感器准确等级及 额定输出(VA) Current transformer Accurate grade and Rated output(VA)		额定绝缘 水平(kV) Rated Insulating Level (kV)	标准代号 Standard Code
				0.2级 Class	0.5级 Class	0.2级 Class	0.5级 Class		
JLS-3	3000/100	5-300/5	50	20	25	10	10	3.6/24/75	GB20840.2-2014 GB20840.3-2013 GB17201-2007
JLS-6	6000/100	5-300/5	50	20	25	10	10	7.2/32/75	
JLS-10	6300/110	5-300/5	50	20	25	10	10	7.2/32/75	
JLS-10	10000/100	5-300/5	50	25	25	10	10	12/42/75	
JLS-35	35000/100	5-300/5	50	50	50	10	10	40.5/95/185	

该型高压电力计量箱分为单变比和双变比两种类型，双变比接线时，大电流比接AP1、AP2与CP1、CP2、小电流比接AP1、AP3与CP1、CP3。原理图如下所示。

This model of high-voltage electric measuring tank has two types, single ratio and double ratio. In double ratio wiring case, heavy current ratio connects AP1, AP2 and CP1, CP2, and light current ratio connects AP3 and CP1, CP3. The schematic drawing is illustrated as follows.

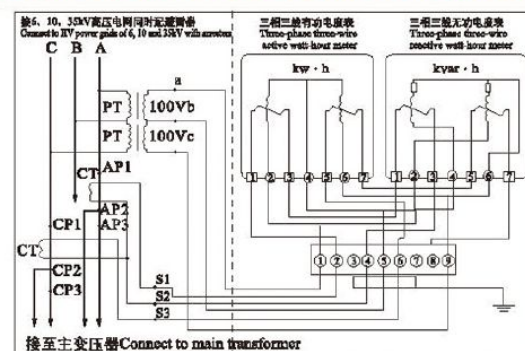
单变比接线图 Single ratio wiring diagram

双变比接线图 Double ratio wiring diagram



组合互感器部分
Combined transformer part

电表箱部分
Watt-hour meter box part



组合互感器部分
Combined transformer part

电表箱部分
Watt-hour meter box part

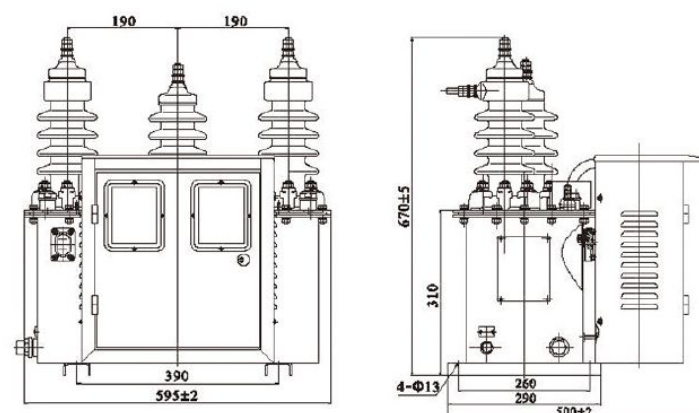


图1 6kV、10kV三相三线油浸式高压电力计量箱(三相二元件)外形及安装尺寸图
Fig.1: Outline and installing dimension of 6kV, 10kV three-phase three-wire-immersed high-voltage electric measuring tank (three-phase two component)

JLS-6,10,35型高压电力计量箱

JLS-6,10,35 Model high-voltage electric measuring tank

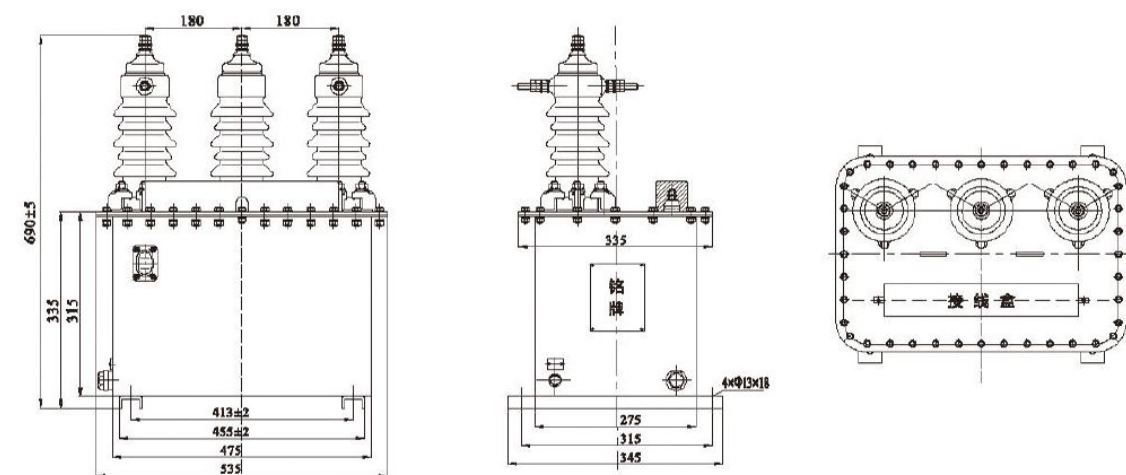
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图2 6kV、10kV三相四线油浸式高压电力计量箱(三相三元件)外形及安装尺寸图
Diagram 2: Outline and installation dimension of 6kV, 10kV three-phase four-wire oil-immersed high-voltage electric measuring tank (three-phase three-component)

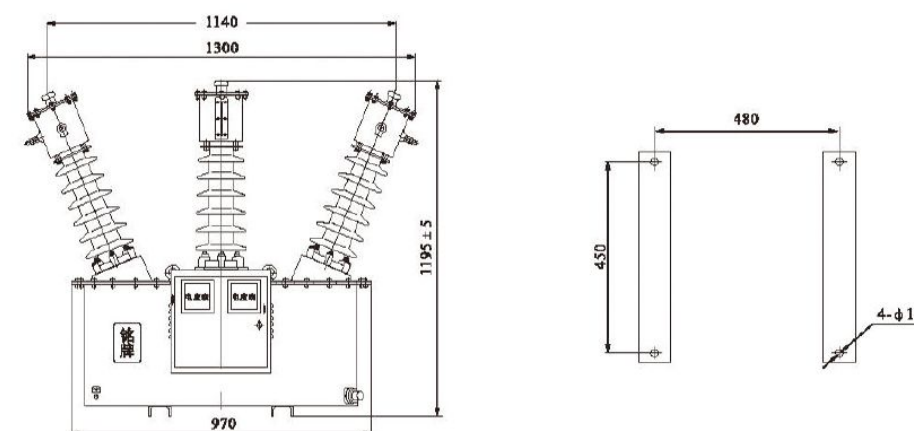


图3 35KV三相三线计量箱(三相二元件)外形及安装尺寸图
Diagram 3: Outline and installation dimension of 35KV three-phase three-wire measuring tank (three-phase two-component)

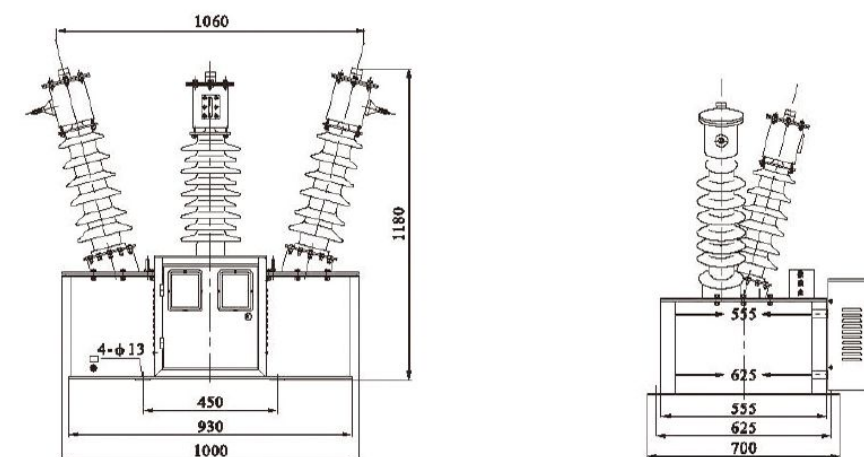


图4 35KV三相四线计量箱(三相三元件)外形及安装尺寸图
Diagram 4: Outline and installation dimension of 35KV three-phase four-wire measuring tank (three-phase three component)

JLSZ□-6,10,35W 户外干式组合互感器

JLSZ□-6,10,35W Outdoor dry-type combined transformer

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概述 Summary

JLSZ□-6, 10, 35W是电压、电流组合互感器，而组合互感器和计量仪表的成套组合，称为电力计量箱。该产品用于户外额定频率50Hz的三相系统网络上，其初级电压为6、10、35kV，次级电压为100V。初级电流为：5、10、15、20、25、30、40、50、75、100、150、200、250、300、400、500、600A，次级电流为5A。本计量箱具有精度高、重量轻、绝缘可靠，能防偷、防漏，是当前电能管理的理想设备。

JLSZ□-6, 10, 35W is voltage and current combined transformer, and the complete set combination of combined transformer and measuring meter is called electric measuring tank. The product is used in three-phase system network with outdoor rated frequency of 50Hz. Its primary voltage is 6, 10, 35kV, secondary voltage is 100V. Primary current is 5, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, 200, 250, 300, 400, 500, 600A, secondary current is 5A. The tank is accurate, light, insulating, reliable, theft-proof and leakage-proof, which is an ideal equipment for present power management.

型号含义 Type designation



主要性能 Main functions

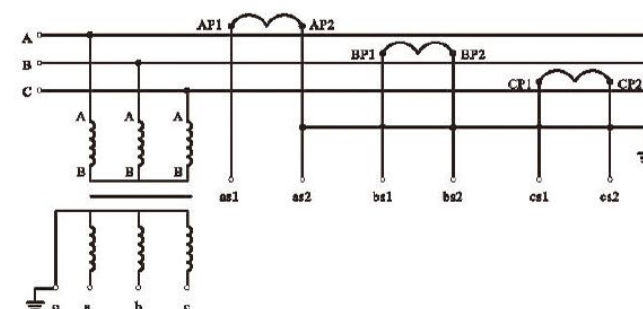
1. 额定电压: 分为3×6kV, 3×10kV, 3×35kV
2. 额定变比: 电压比: 6000/100V, 10000/100V, 35000/100V, 电流比: 5-600/5A, 并分单变比和双变比两种。双变比计量箱一次接线P1、P2为大电流比。P1、P3为小电流比。
3. 额定容量: PT元件分: 15、25、50VA三种。CT元件分: 10、25、30VA三种。
4. 准确等级: 0.5级、0.2、0.5S、0.2S级。

1. Rated Voltage: 3×6kV, 3×10kV, 3×35kV
2. Rated Ratio: Rated Ratio-voltage: 6000/100V, 10000/100V, 35000/100V Rated Ratio-current: 5-600/5A, single ratio or double ratio Primary wiring of double measuring tank: P1, P2 are heavy current ratio while P1, P3 are light current ratio.
3. Rated Capacity: PT components have 15, 25, 50VA three types, CT components have 10, 25, 30VA three types
4. Accurate Grade: 0.5, 0.2, 0.5S, 0.2S

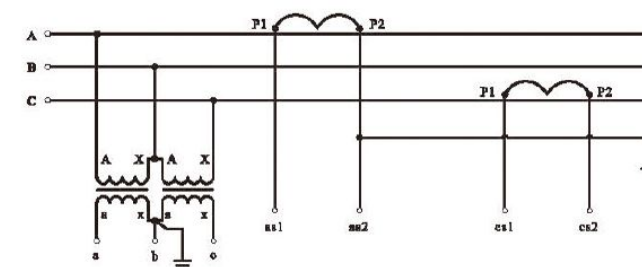
JLSZ□-6,10,35W 户外干式组合互感器

JLSZ□-6,10,35W Outdoor dry-type combined transformer

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三相四线组合互感器接线原理图
Three-phase four-wire combination transformer wiring principle diagram



三相三线组合互感器接线原理图
Three-phase three-wire combined transformer wiring principle diagram

外形及安装尺寸 Outline and installation dimension

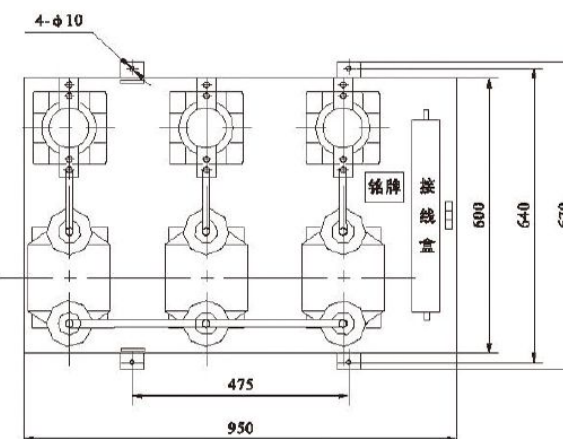
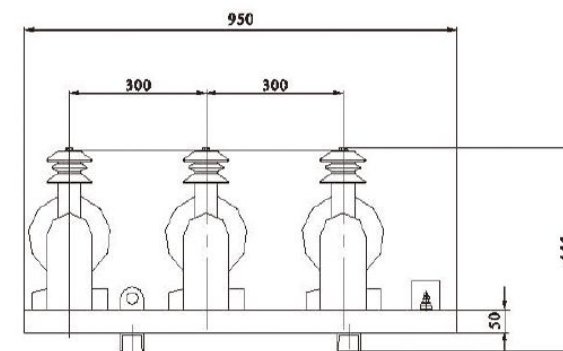


图1 JLSZ1-6, 10W Y/Y接线三元件 外形及安装尺寸图
Diagram 1. Outline and installation dimension of JLSZ1-6, 10WY/Y wiring three components.

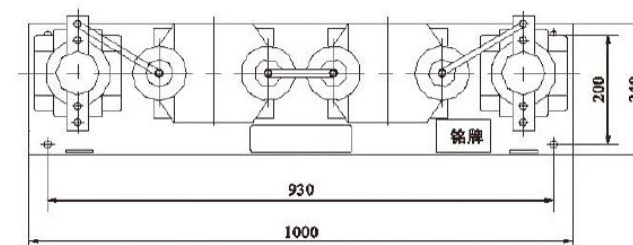
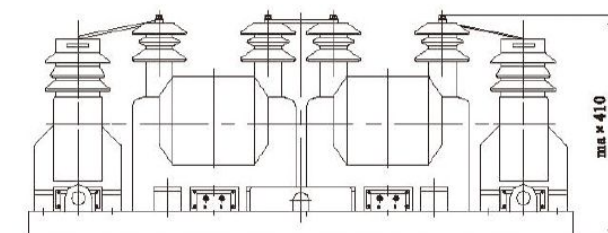


图2 JLSZ2-6, 10W V/V接线二元件 外形及安装尺寸图
Diagram 2. Outline and installation dimension of JLSZ2-6, 10WV/V wiring two components.

JLSZ□-6,10,35W 户外干式组合互感器

JLSZ□-6,10,35W Outdoor dry-type combined transformer

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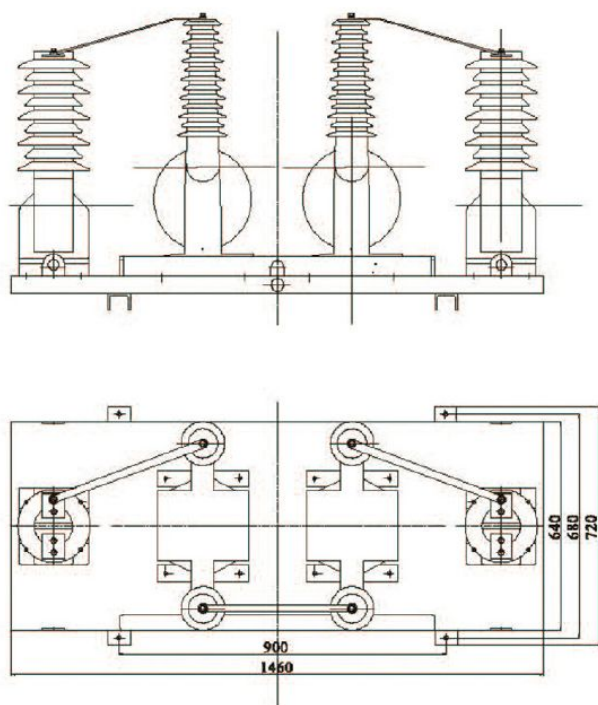


图3 JLSZ-35kV三相三线外形及安装尺寸图
Fig.3 Outline and installation dimension of JLSZ-35kV three-phase three-wire

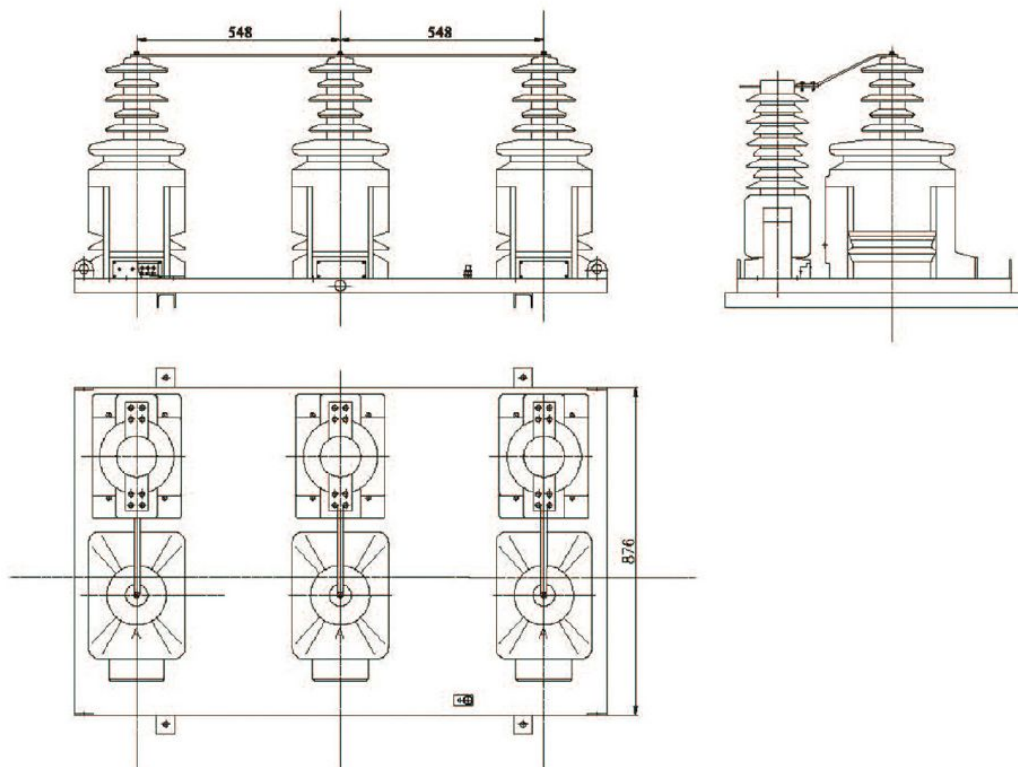


图3 JLSZY-35W三相三元件外形及安装尺寸图
Fig.3 Outline and installation dimension of JLSZY-35W three-phase three-component

JLSZV-6,10kV 干式电力计量箱

JLSZV-6,10kV Dry type electric measuring tank

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型号含义 Type designation



概述 Summary

本型电压、电流组合互感器系供交流50Hz, 额定电压10kV三相线路中, 供电电压、电流和电能测量及继电保护用, 适用于农村户外变电站, 也可用于工业小型变、配电所。本产品可取代JLSJW-10型油浸式组合互感器。

This voltage and current combined transformer is suitable for voltage, current and energy measurement and relaying protection at the three-phase circuit of AC 50Hz and rated voltage 10kV, it is not only applied to the rural outdoor transformer substations, but also the small-sized industrial transformer substations and distribution substations. This product can fully take the place of JLSJW-10 type oil-immersed combined transformer.

结构简介 Structure

本型互感器为户外环氧树脂(瑞士Ciba CW5837)浇注全密封, 支柱式结构。由于采用户外环氧树脂浇注, 产品具有耐电弧、耐紫外线、耐老化、寿命等特点。本产品由两台单相全绝缘电压互感器组成“V”形接线, 两台电流互感器分别串接在A、C相上, 并且电流互感器二次绕组带有抽头可得到不同电流变化。

This type of transformer is designed into the such structure: epoxy-resin (Swiss Ciba CW5837) casting, fully sealed and post type. Due to employing the outdoor epoxy-resin casting, the product is featured with long service life, withstanding the electric arc, ultraviolet ray and aging, etc. This product is combined by two single-phase full-insulation voltage transformers that are formed into “V”-shaped connection and two current transformers that are connected to phases A and C in series. And, the current transformer secondary windings that are equipped with the taps can get the different current ratios.

二次出线端有接线保护罩其下方有出线孔, 接线方便、安全可靠并能实现防窃电措施。底座槽钢上有4个安装孔供安装用。

The secondary outlet terminal has a connection guard, this guard has an outlet hole at the bottom, so, it is very convenient to connect the wires, and it is very safe and reliable, realizing the electricity larceny prevention. In addition, the channel of base has four installation holes that are helpful for mounting.

技术数据 Technical data

- 1、额定绝缘水平: 12/42/75kV
Rated insulation level: 12/42/75kV
- 2、表面爬电比距满足 II 级污秽等级。
The surface creepage distance meets the requirements of II-class pollution
- 3、本型组合互感器系由单相电压互感器及单相电流互感器组合成三相, 电压互感器用V/V-12接线。
This type of combined transformer has three phases that are combined by the single-phase voltage transformer and single-phase current transformer, hereinto, the voltage transformer adopts V/V-12 connection.
- 4、本型组合互感器满足GB20840.2-2014《电流互感器》, GB20840.3-2013《电压互感器》, GB17201-2007《组合互感器》之要求。
This type of combined transformer reaches such standards as GB20840.2-2014 Current Transformer, GB20840.3-2013 Voltage Transformer and GB17201-2007 Combined Transformer.

JLSZV-6,10kV 干式电力计量箱

JLSZV-6,10kV Dry type electric measuring tank

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5、电压互感器额定变比10000/100，三相额定二次输出0.2级20VA。

The rated transformation ratio of voltage transformer is 10000/100, and the rated secondary output of three phases is class 0.2/20VA.

6、负载功率因数 $\cos\Phi=0.8$ （滞后），电流互感器仪表保安系数 $FS \leq 10$ 。

The load power factor $\cos\Phi$ is equal to 0.8 (lag), and the instrument security factor of current transformer FS is equal to 10 or less than.

额定一次电流 Rated Primary Current (A)	额定短时热电流(kA有效值) Rated Short-time Thermal-current (kA virtual value)	额定动稳定电流(kA有效值) Rated Dynamic Stability Current (kA virtual value)	额定二次输出 Rated Secondary Output (VA)	
			0.2S级 0.2S Class	0.2级 0.2 Class
5-10	1.0	2.5	10	15
10-20	1.5	3.75		
15-30	2.4	6.0		
20-40	3.0	7.5		
30-60	4.5	11		
40-75	8.0	20		
50-100	9.0	22.5		
75-150	12	30		
100-200	16	40		
150-300	24	60		
200-400	32	80		
300-600	60	100		

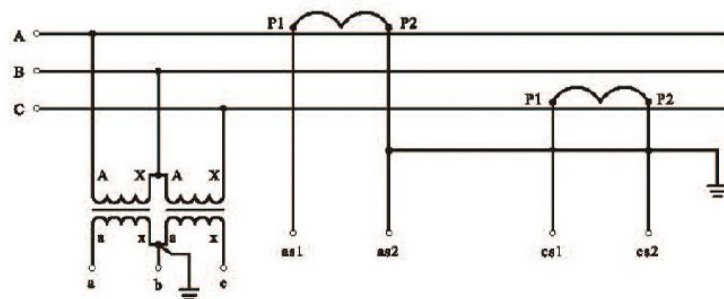
7、环境温度：在30℃~40℃之间，日平均气温不超过30℃；

Environment temperature among 30℃~40℃, every day's average temperature shall not exceed 30℃.

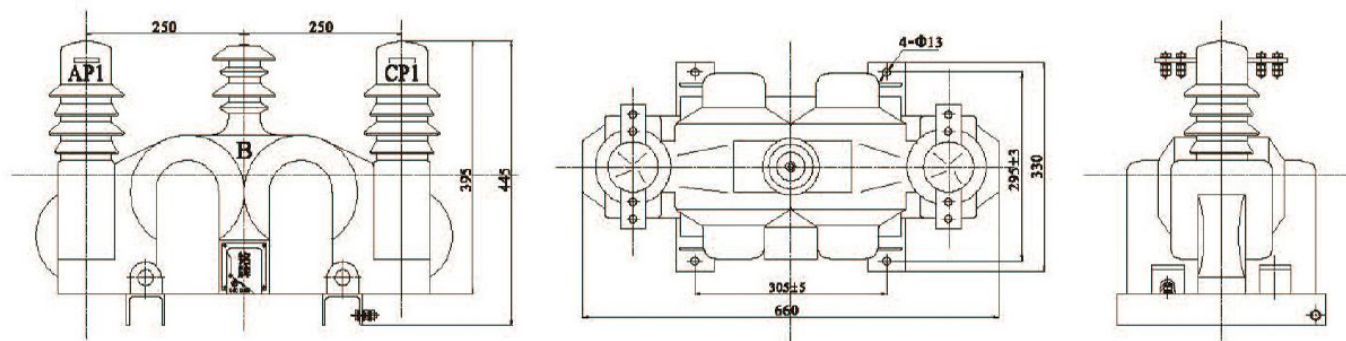
8、海拔高度：不超过1000m。

Altitude: $\leq 1000m$.

JLSZV-10 接线图 Wiring diagram



外形及安装尺寸 Outline and installation dimension



高压干式电流互感器

High voltage dry type current transformer

High voltage dry type current transformer

高压干式电流互感器



执行标准

Carry out in accordance with standards

GB20840.2-2014《电流互感器》

GB20840.2-2014 Current transformer

IEC185《电流互感器》

IEC185 Current transformer

LFZB8-6,10(A,B)电流互感器

LFZB8-6,10(A,B) Currwnt transformer

Key of Power
Electric Professional
>



概述 Summary

LFZB8-6、10(A、B)型电流互感器为环氧树脂真空浇注全封闭穿墙式结构。供户内额定频率50Hz、额定电压10kV及以下的电力系统中作电流、电能测量和继电保护之用。是专为取代LA-10、LAJ-10、LFZ1-10、LFZ2-10、LFZJ1-10、LFZS-10、LFZ-10G等老产品而设计的，为安装接线方便，一次出线方式分为A型、B型两种，可根据需要选择。

LFZB8-6,10(A、B) current transformer adopts the structure of epoxy resin vacuum casting full-seal transfixion, it is applied to testing the current & power and protecting on the relay in the indoor power system with rated frequency 50Hz. and rated voltage 10kV and below., Specially replaces these old products such as LA-10, LAJ-10, LFZ1-10, LFZ2-10, LFZJ1-10, LFZS-10, LFZ-10G etc. in order to bring the convenience for installation, its one-time connection way is designed into A style and B style, and may be selected according to requirements.

型号含义 Tpye designation

LFZB8-6,10(A,B)

结构代号Structural code
额定电压(kV)Rated voltage(kV)
设计序号Design serial number
带保护级With protection grade
浇注绝缘Casting insulation
贯穿式Transfixion style
电流互感器Current transformer

技术参数 Technical parameter

单变比短时热电流见表1) Single-transformation ratio & short-time thermal current (table 1)

额定一次电流 Rated primary current	15	20	30	50	75	100	150	300	500	800	1000
1秒钟热电流(KA有效值) One-second thermal current (kA virtual value)	2	3	5	10	16	20	31.5	40	63	80	100
动稳定电流(KA有效值) Dynamic stable current (kA virtual value)	5	7.5	12.5	25	40	50	78	100	157	200	250

LFZB8-6,10(A,B)电流互感器

LFZB8-6,10(A,B) Current transformer

外形及安装尺寸 Outline and installation dimension

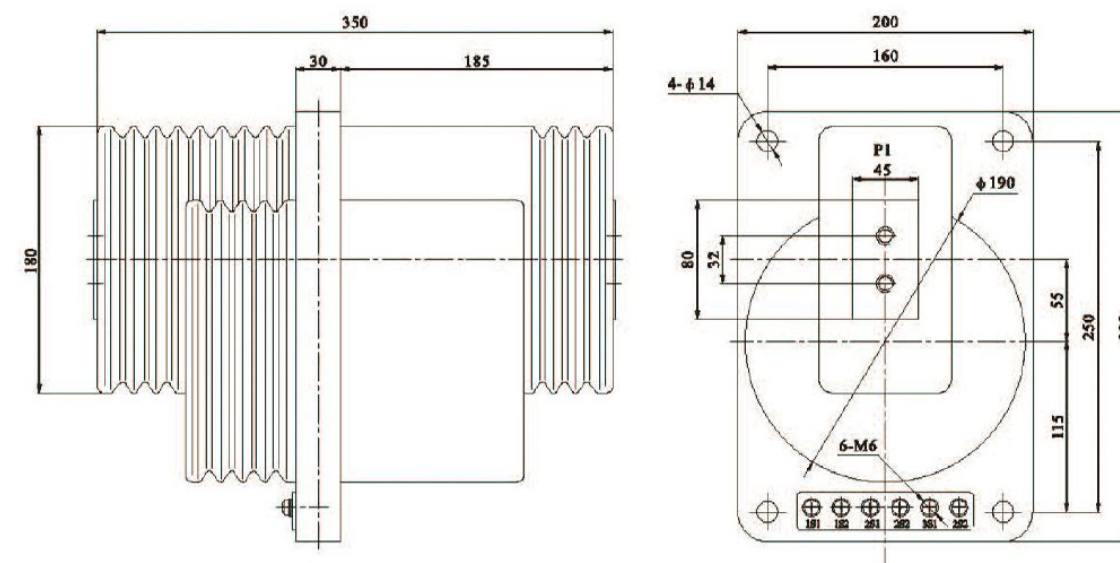


图1 LFZB8-6、10(A)外形及安装尺寸图
Diagram1 Outline and installation dimension of LFZB8-6,10(A)

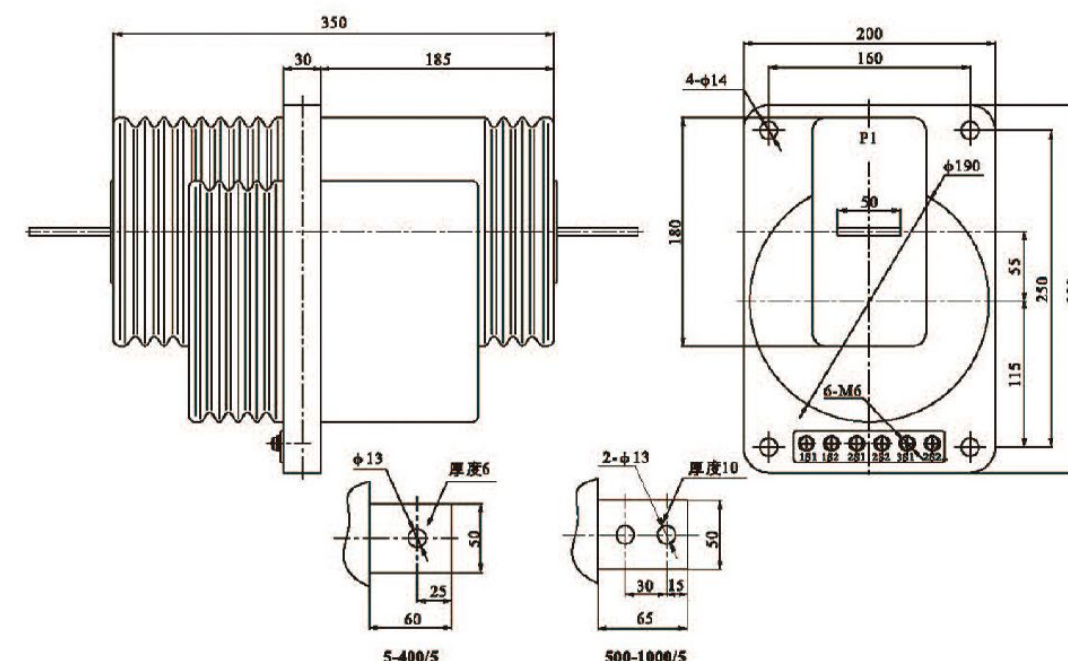
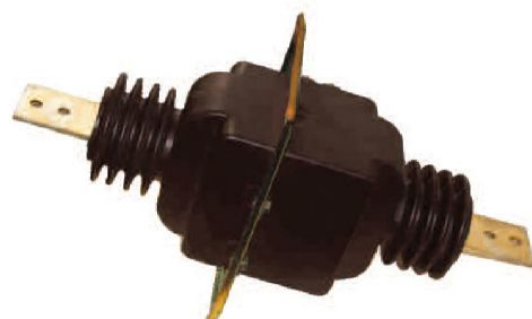


图2 LFZB8-6、10(B)外形及安装尺寸图
Diagram2 Outline and installation dimension of LFZB8-6,10(B)

LAZBJ-10 型电流互感器 (同于LAJ-10Q)

LAZBJ-10 Model current transformer(equivalent to LAJ-10Q)

Key of Power
Electric Professional
>

概述 Summary

LAZBJ-10型电流互感器适用于户内10kV、50Hz交流电力系统中作电流、电能测量及继电保护用。

LAZBJ-10 current transformer is mainly applied in 10KV, 50Hz indoor AC power system for current or electric power measurement and relay protection.

型号含义 Type designation



技术参数 Technical parameter

1. 额定电压: 10kV;
 2. 额定频率: 50Hz;
 3. 额定一次电流: 5、10、15、20、30、40、50、75、100、150、200、300、400、500、600A;
 4. 额定二次电流: 5A;
 5. 准确级次组合: 0.2/10P15、0.5/10P15;
 6. 额定输出(COS ϕ =0.8滞后), (1S)0.2级为10VA, 0.5级为10VA, 2(S)10P级为15VA;
 7. 额定绝缘水平: 12/42/75kV;
 8. 局部放电水平: 视在放电量 $\leq$ 20pC;
 9. 额定短时热电流和额定动稳定电流:
1. Rated voltage: 10kV
 2. Rated frequency: 50Hz
 3. Rated primary current: 5, 10, 15, 20, 30, 40, 50, 75, 100, 150, 200, 300, 400, 500, 600A
 4. Rated secondary current: 5A
 5. Combination of accuracy grade: 0.2/10P15, 0.5/10P15
 6. Rated output(COS Φ =0.8 lagged), (1S) 10VA for 0.2 grade and 0.5 grade, 2(S) 15VA for 10P grade.
 7. Rated insulation: 12/42/75kV
 8. Part discharge: apparent discharge capacity not more than 20Pc
 9. Rated short-time heat current and rated dynamic stable current:

LAZBJ-10 型电流互感器(同于LAJ-10Q)

LAZBJ-10 Model current transformer(equivalent to LAJ-10Q)

Key of Power
Electric Professional
>

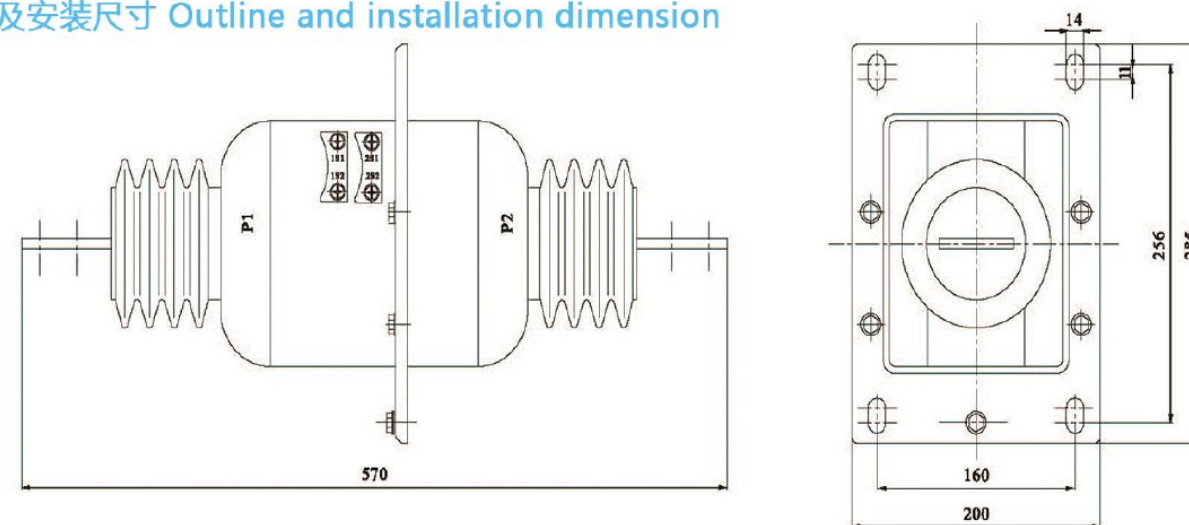
额定一次电流 Rated primary current (A)	额定短时热电流(方均根值) Rated short-time thermal current (rms value)	额定动稳定电流(峰值) Rated dynamic current (peak value) (kA)
5~200	90 I _{pn}	200 I _{pn}
300~400	24.5	44
500~600	32	80

结构 Construction

该型电流互感器采用环氧树脂全封闭浇注结构, 将互感器的一次绕组、二次绕组及铁心浇注在一起, 具有优良的绝缘性能和防潮性能。

This current transformer adopts epoxy resin full-seal casting type, and casts the primary winding, secondary winding and iron core together, with good insulation and moisture proof.

外形及安装尺寸 Outline and installation dimension



LA(J)-10(Q)电流互感器(同于LFZ(J)-10LFZB(J)-10)

LA(J)-10(Q) Model current transformer(equivalent to LFZ(J)-10 LFZB(J)-10)

Key of Power
Electric Professional



概述 Summary

本系列电流互感器为穿墙式环氧树脂浇注绝缘产品，适用于额定频率50Hz或60Hz，额定电压10KV及以下的电力系统中，作电能计量、电流测量和继电保护用。

The current transformer of the type LAJ-10(Q) is casting resin, fully enclosed and wall through product. It is used for metering electric energy and current, relay protection in the electrical system of rated frequency 50Hz or 60 Hz and rated voltage 10kV and below.

型号含义 Type designation



技术参数 Technical parameter

- 1、额定绝缘水平: 12/42/75KV
- 2、额定二次电流: 5A; 准确级: 0.5/10P 10P/10P
- 3、额定一次电流、准确级组合、额定输出及额定动、热稳定电流见表
- 4、污秽等级: 全工况产品符合 II 级污秽要求。
- 1、 Rated insulation level: 12/42/75KV
- 2、 Rated secondary current: 5A; Accurate Grade: 0.5/10P 10P/10P
- 3、 Refer to table for rated primary current, accuracy class combination, rated output, rated dynamic and thermal current
- 4、 Antipollution class: The full operating mode product accords to the request of II class.

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LA(J)-10(Q)电流互感器(同于LFZ(J)-10LFZB(J)-10)

LA(J)-10(Q) Model current transformer(equivalent to LFZ(J)-10 LFZB(J)-10)

型号 Model	额定一次电流 Rated Primary Current (A)	准确级组合 Accurate Grade Combination	额定二次输出 Rated Secondary Output (VA)				额定短时热电流 (KA有效值) Rated Short-time thermo-current (KA virtual value)	额定动稳定电流 (KA有效值) Rated Dynamic stability Current (KA virtual value)		
			0.2	0.5	10P10	10P15				
LA-10 LA-10Q	5~200	0.5/10P10	10	10	15		90I _{ln}	160I _{ln}		
	300						22.5	40.5		
	400						30	55		
	500									
	600									
	800								40	72
	1000								50	90
LAJ-10Q	5~300	0.2/10P15 0.5/10P15	10	15	15	120I _{ln}	215I _{ln}			
	400					30	55			
	500~600			20	25					
	800							40	72	

外形及安装尺寸 Outline and installation dimension

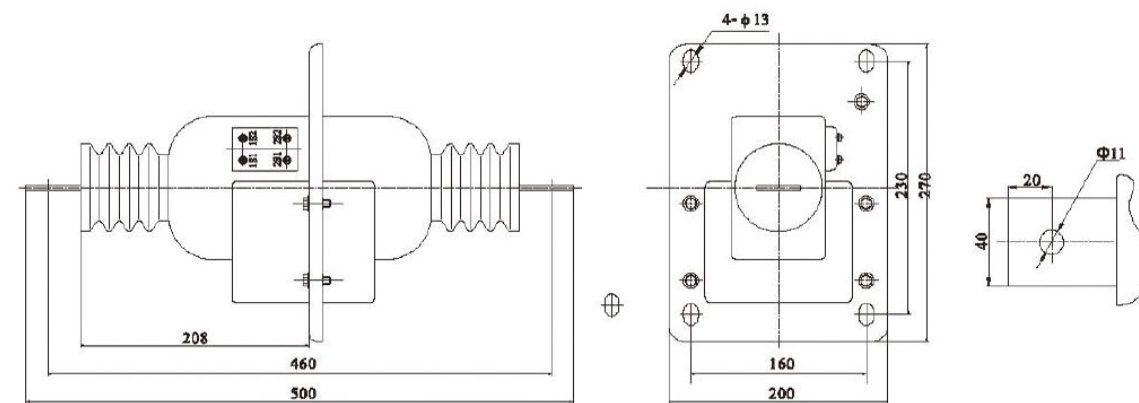


图1 LA-10Q 5-250/5外形及安装尺寸图
Fig.1 Outline and installation dimension of LA-10Q 5-250/5

LA(J)-10(Q)电流互感器(同于LFAZ(J)-10LFZB(J)-10)

Key of Power Electric Professional
LA(J)-10(Q)Model current transformer(equivalent to LFZ(J)-10LFZB(J)-10)

外形及安装尺寸 Outline and installation dimension

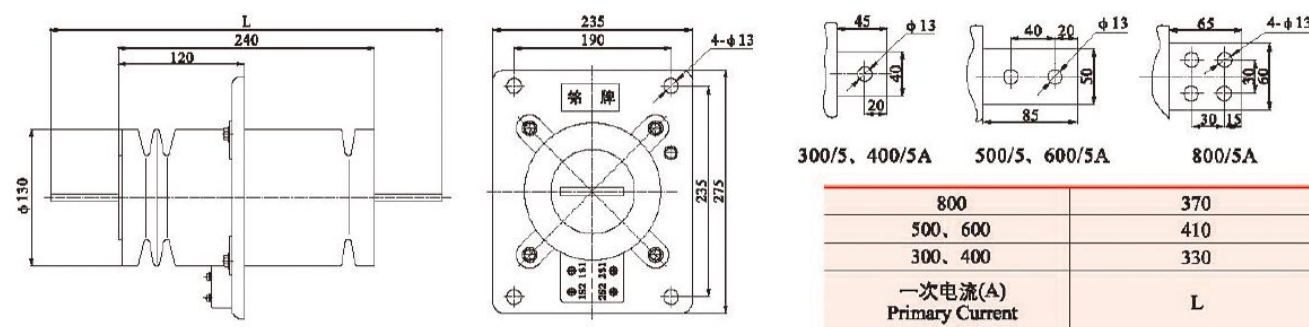


图2 LA-10Q 300-800/5外形及安装尺寸图
Diagram2 Outline and installation dimension of LA-10Q 300-800/5

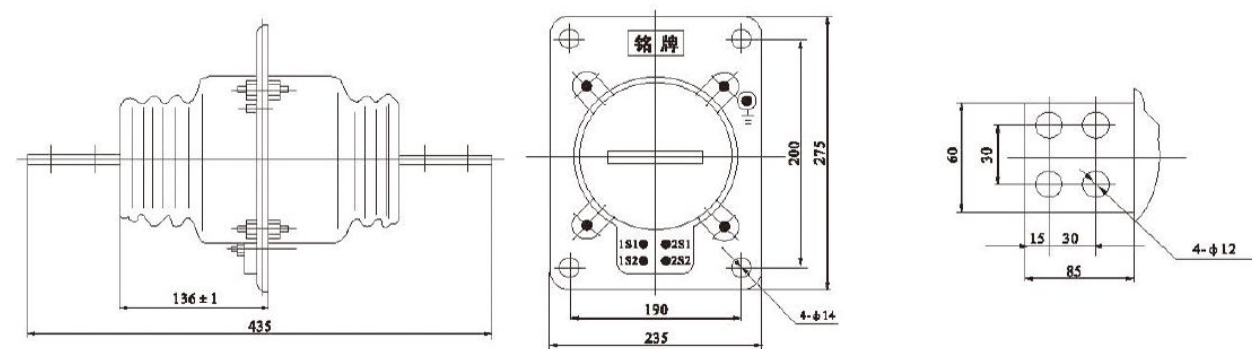


图3 1000/5A外形及安装尺寸图
Diagram3 Outline and installation dimension of 1000/5A

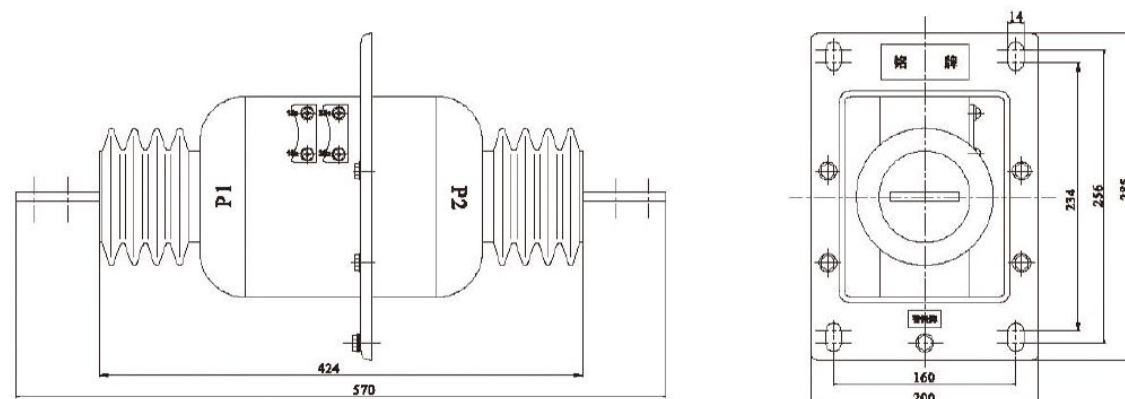


图4 LAJ-10Q 5-300/5外形及安装尺寸图
Diagram4 Outline and installation dimension of LAJ-10Q 5-300/5

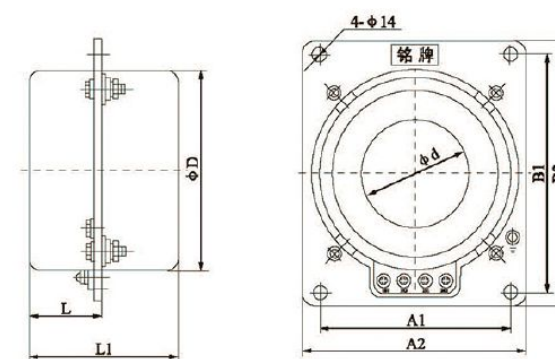
LAJ-10 电流互感器

LAJ-10 Current transformer

Key of Power
Electric Professional
>



外形及安装尺寸 Outline and installation dimension



LAJ-10 图1 1000-6000/5外形及安装尺寸
Fig 1 Overall and installation dimension drawing of 1000-6000/5 current transformer

I _{ln} (A)	L1	L	φD	φd	A1	A2	B1	B2
1000	240	120	190	90	240	285	280	320
1200-2000	270	160	235	130	255	312	305	356
3000	220	100	295	170	300	340	380	425
4000	320	170	300	170	300	340	380	420
5000	240	110	353	230	380	420	437	476
6000	230	102	428	305	435	474	480	520

技术参数 Technical parameter

型号 Type	额定电流比 Rated current ratio (A)	级次组合 Accuracy classes combination	准确级及额定输出 Accuracy class and rated output(A)				保护级 Protective class	
			0.2级 Class	0.5级 Class	1级 Class	3级 Class	额定输出 Rated output (VA)	准确级及准确限值系数 Accuracy class and accuracy limit factor
LAJ-10	1000, 1200, 1500/5	0.5/10P 1/10P 10P/10P	15	30	30		30	10P 15
	2000, 3000, 4000/5			40	40		40	
	5000/5							
	6000/5							

LMZBJ-10Q,LMZ1/LMZJ1-10(Q)母线式电流互感器

LMZBJ-10Q,LMZ1/LMZJ1-10(Q) Buts type current transformer

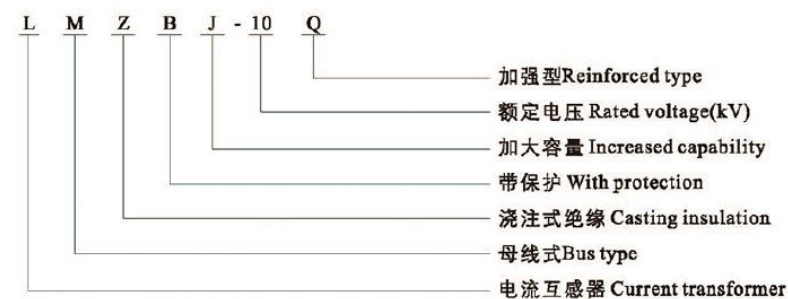
Key of Power
Electric Professional
>

概述 Summary

LMZBJ-10Q为环氧树脂浇注全封闭绝缘全工况母线式电流互感器，供额定频率为50Hz，额定电压为10kV的交流线路中作电流、电能电功率测量及继电保护之用。

LMZBJ-10Q is an all work-condition bus type current transformer with epoxy casting whole sealing insulation used for measurement of current and electric energy power as well as relay protection in the AC circuit of rated frequency 50Hz and rated voltage 10KV.

型号含义 Type designation



技术参数 Technical parameter

产品性能符合IEC 标准和GB20840.2-2014《电流互感器》

The performance of products is conformed to IEC standard GB20840.2-2014 Current Transformer.

额定绝缘水平

Rated insulation level: 12/42/75kV

负荷功率因数

Load power factor: $\cos \phi = 0.8$ (滞后 Lag)

额定频率

Rated frequency: 50Hz

额定二次电流

Rated secondary current: 5A(1A或2A)

表面爬距满足Ⅱ级污秽地区。

Surface creepage distance meets polluted area gradeⅡ.

Key of Power
Electric Professional
>

LMZBJ-10Q,LMZ1/LMZJ1-10(Q)母线式电流互感器

LMZBJ-10Q,LMZ1/LMZJ1-10(Q) Buts type current transformer

表面爬电距离: LMZ1-10: 160mm; Surface creepage distance: LMZ1-10: 160mm;

LMZ1-10Q: 230mm;

LMZ1-10Q:230mm;

LMZJ1-10Q: 230mm;

LMZJ1-10Q:230mm

主要技术参数 Main technical parameter

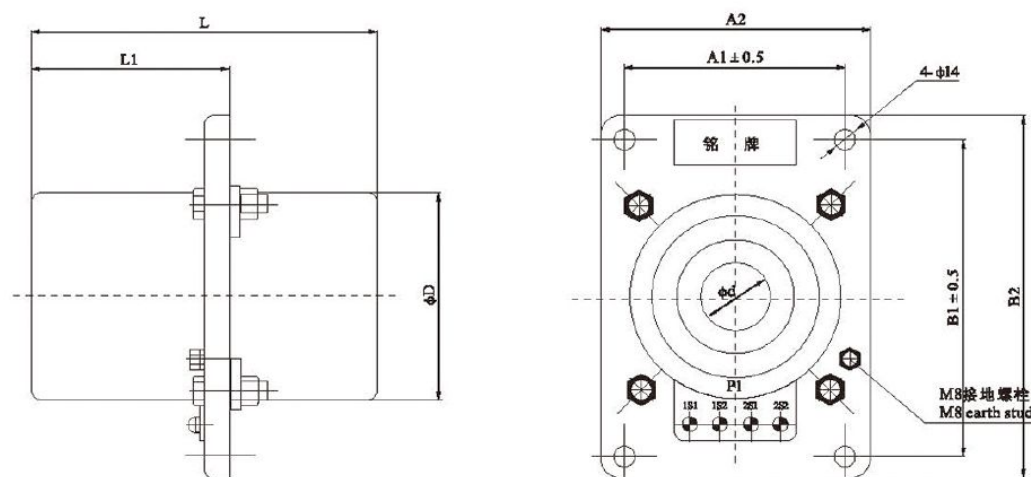
型号 Type	额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes (1S/2S)	额定二次输出 (VA) Rated secondary (1S/2S)	重量(kg) Weight
LMZ1-10(Q)	300	0.2/10P10	5/15	4.5
		0.5/10P10	10/15	
	400-1000	0.2(0.5)/10P10	10/15	8
LMZJ1-10(Q)	1200-1500	0.2/10P15	30/80	26
		0.5/10P15	40/80	
		10P10/10P10	40/40	
	2000-3000	0.2/10P15	40/100	27
		0.5/10P15	60/100	
		10P10/10P10	60/60	
	4000-5000	0.2/10P15	40/100	27
		0.5/10P15	60/100	
		10P15/10P15	60/60	
LMZBJ-10(Q)	1200	0.5/3 0.5/10P 0.2/10P	10/15	28
	1500 2000-4000	0.5/10P 0.2/10P	40/80 60/100	28

LMZBJ/LMZ1/LMZJ1-10(Q) 母线式电流互感器

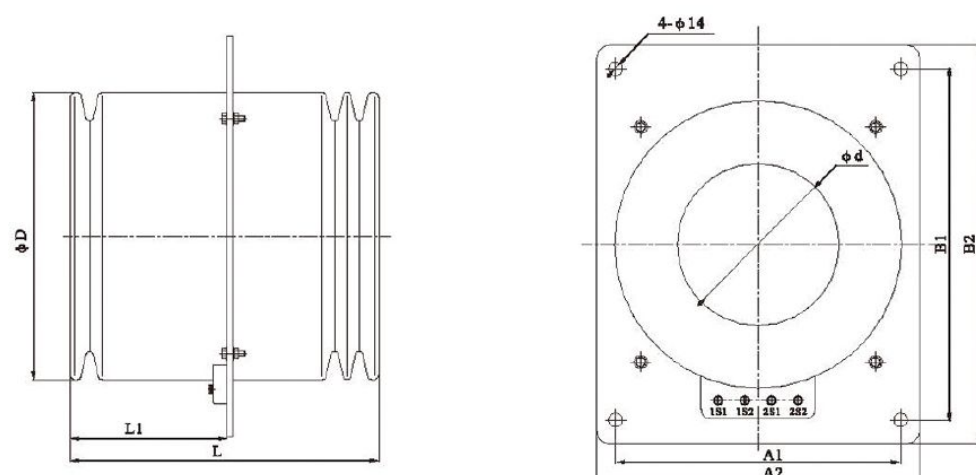
LMZBJ/LMZ1/LMZJ1-10(Q) Bus type current transformer

Key of Power
Electric Professional
>

外形及安装尺寸 Outline and installation dimension



IIn(A)	L	L1	φD	φd	A1	A2	B1	B2
300	185	115	136	53	140	235	205	275
400								
500								
600								
800-1000	240	100	190	90	240	285	280	320



IIn(A)	L	L1	φd	φD	A1	A2	B1	B2
1200-2500	240	136	130	242	256	296	306	346
3000	220	100	170	295	300	340	380	420
4000-5000	320	170	170	300				

LAJS-10Q 穿墙式电流互感器

LAJS-10Q Pass through the wall type current transformer

Key of Power
Electric Professional
>

概述 Summary

本型电流互感器为环氧树脂浇注穿墙式结构，LAJS-10Q的20-300A为全封闭式结构。本型互感器适用于额定电压为10KV及以下，户内交流50Hz的电力线路中作电流、电能的测量和继电保护使用。LAJS-10Q的二次为三绕组，甲组为1S1、1S2，乙组为2S1、2S2，丙组为3S1、3S2，可根据需要制成0.2/10P/10P，0.5/10P/10P，0.2/0.5/10P等级次组合。

This current transformer is of epoxy resin casting wall-through type, LAJS-10Q of 20-300A is of full-enclosed type, this transformer is used for current power measurement and relay protection in indoor alternate power system with rated votage 10KV and below, frequency 50Hz, There are three windings in secondary of LAJS-10Q the first group is 1S1,1S2, the second group is 2S1,2S2,the third group is 3S1 3S2,the grade combinations sueb as 0.2/10P/10P, 0.5/10P/10P, 0.2/0.5/10P can be made.

技术参数 Technical parameter

额定绝缘水平: 12/42/75kV

负荷的功率因数: $\cos \phi = 0.8$ (滞后)

额定二次电流: 5A(或2A, 1A)

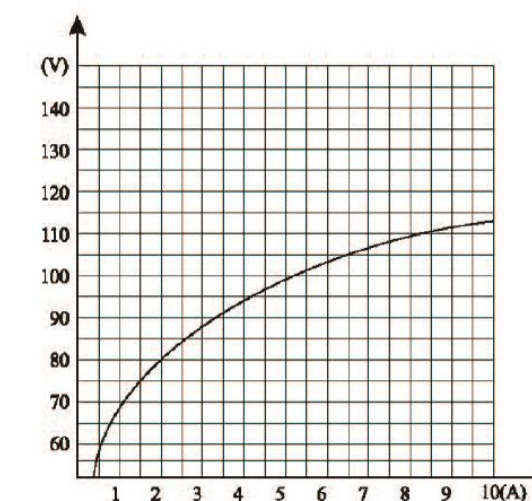
10P级伏安曲线如图所示, 可供选型时参考。

Rated insulation level: 12/42/75kv

Power factor of load: $\cos \phi = 0.8$ (lagging)

Rated secondary current: 5A(2A or 1A)

The V-A curve of class 10p is shown in fig, it's used for choosing type.



LAJS-10Q型20~300/5 10P级伏安曲线
The volt-ampere curve of LAJS-10Q type 20~300/5 10P grade

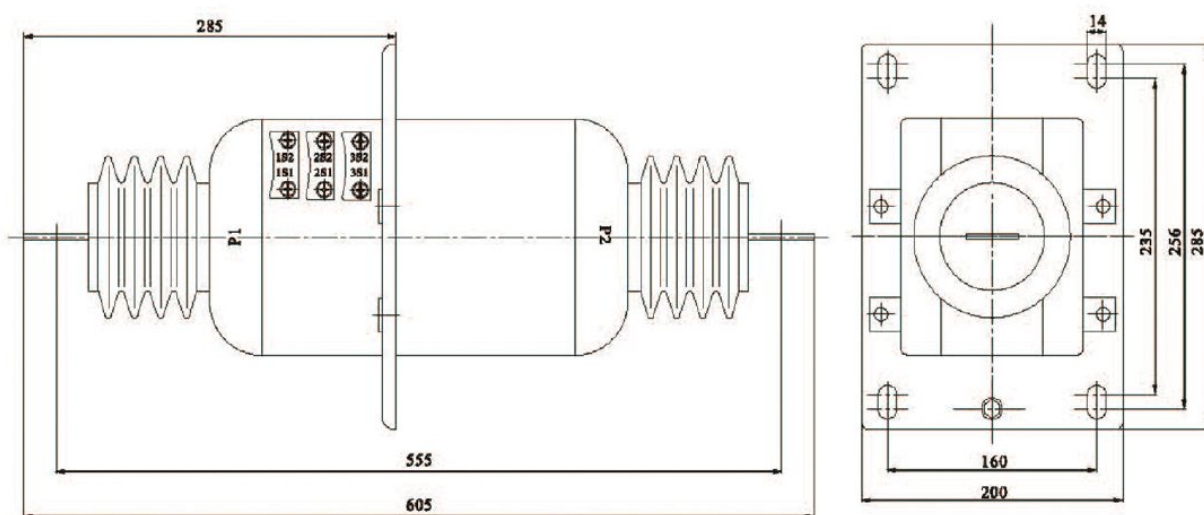
LAJS-10Q 穿墙式电流互感器

LAJS-10Q Pass through the wall type current transformer

Key of Power
Electric Professional
>

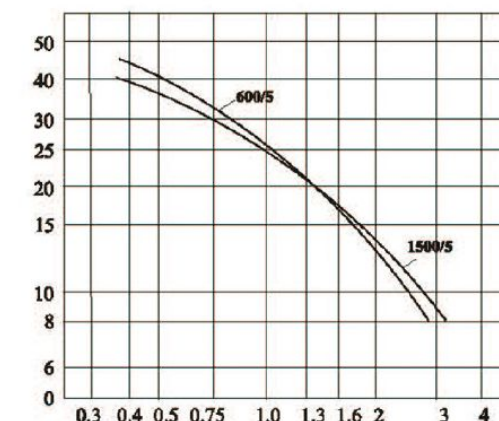
额定一次电流 Rated Primary Current (A)	一秒热电流 (KA有效值) 1s thermal current (KA virtual value)	额定动稳定电流 (KA有效值) Rated Dynamic Standing Current (KA virtual value)	准确级组合 Accurate Grade Combination	额定二次输出 Rated Secondary Output (VA)			爬电距离 Creepage distance(mm)	重量 weight (kg)
				0.2	0.5	10P级 Class		
20	2.8	7	0.2/10P15/10P15 0.5/10P15/10P15 0.2/0.5/10P15 0.2/0.5/0.5	10	25	15	225	30
30	4.4	11						
40	5.5	13.7						
50	6.3	15.8						
75	9.5	23						
100	15	37.5						
150	20	50						
200	30	60						
300	36	75						

外形及安装尺寸 Outline and installation dimension

图1 LAJS-10Q外形及安装尺寸图
Picture1: Outline and installation dimension of LAJS-10Q

LDZ1,LDZJ1-10 电流互感器

LDZ1,LDZJ1-10 Current reansformer

Key of Power
Electric Professional
>LDZ1-10、LDZJ1-10额定绝缘水平:
Rated insulation level 12/42/75kV

技术参数 Technical parameter

型号 Type	额定一次电流 Rated primary current(A)	L1	L2	L3	φ D	M
LDZ1-10	400	360	250	178	146	M18 × 1.5
	600					M22 × 1.5
	800					M25 × 1.5
	1000					M39 × 2
LDZJ1-10	600	410	270	200	178	M18 × 1.5
	800					M25 × 1.5
	1000-1500	450				M39 × 2

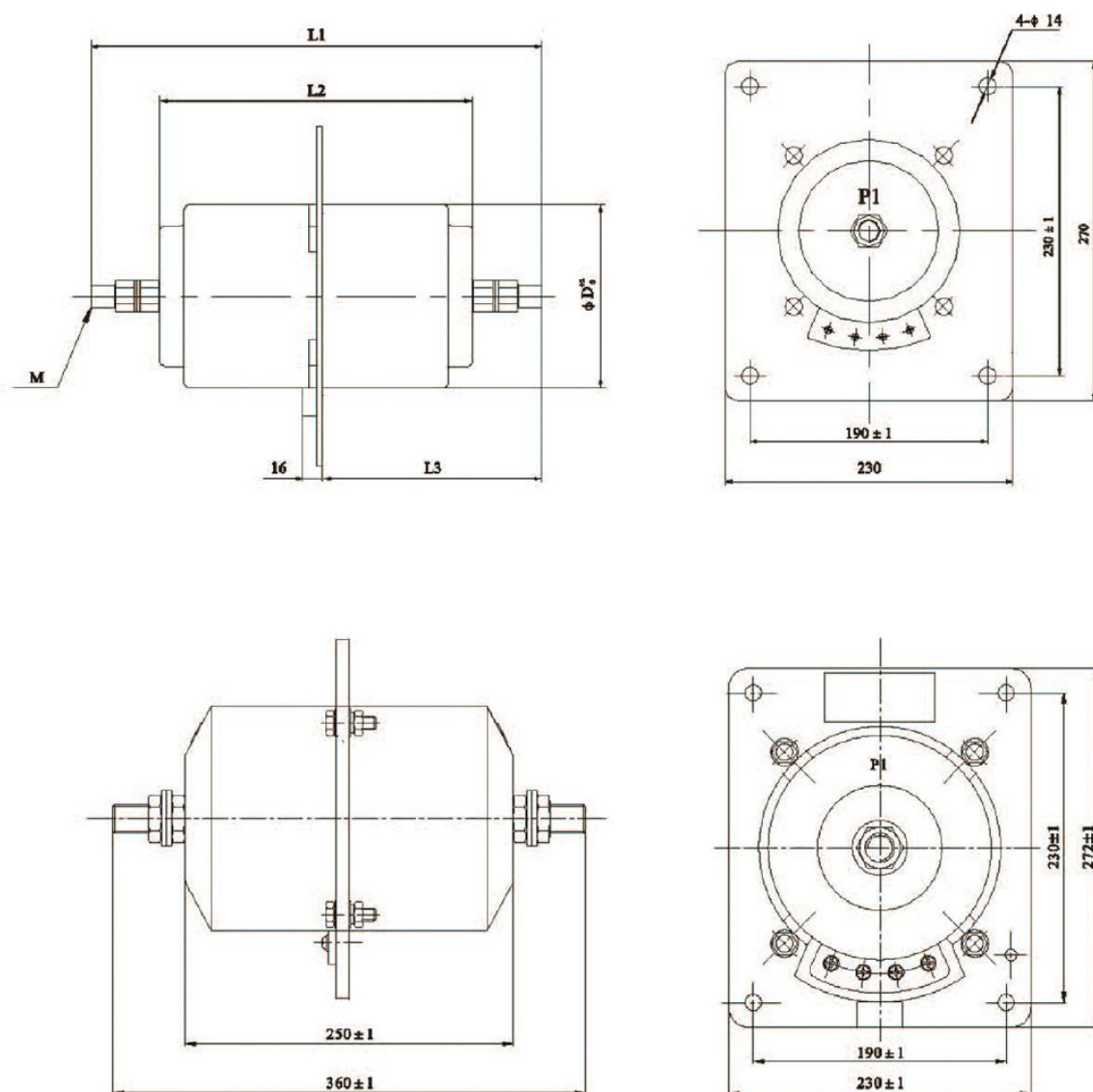
型号 Type	额定电 压 Rated voltage (kV)	额定一次电流 Rated primary current(A)	额定二次电流 Rated primary current(A)	准确级组合 Accuracy class Combination	额定二次负荷 Rated secondary load(VA)			10P级准确 限值系数 Accuracy limit factor for 10P	1s短时热电流 (KA有效值) 1s Short time thermal current (kA effactine)	额定动稳定电流 (kA有效值) Rated dynamic stability current (kA peak)
					0.5或1级 0.5or1class	3级 3 class	1P级 1P class			
LDZ1-10	10	600	5	0.5/3 1/3	10	10	15	15	39	72
		800							39	72
		1000							55	100
		1500							54	97.5
LDZJ1-10 15	10	600	5	0.5/10P 10P/10P	30		40	15	39	72
		800							39	72
		1000							55	100
		1500							55	100

LFSQ-10 电流互感器 (同于LZZB1-10)

LFSQ-10 Current transformer(equivalent to LZZB1-10)

Key of Power
Electric Professional
>

外形及安装尺寸 Outline and installation dimension



LFS-10Q,LFSB-10电流互感器 (同于LZZB/LZZBJ-10)

LFS-10Q,LFSB-10 Current transformer(equivalent to LZZB/LZZBJ-10)

Key of Power
Electric Professional
>

概述 Summary

本型电流互感器为环氧树脂浇注绝缘全封闭支柱式产品，适用于额定频率50Hz或60Hz，额定电压10KV及以下的电力系统中，作电能计量、电流测量和继电保护用。本产品符合IEC44-1及GB20840.2-2014《电流互感器》标准。

The current transformer of is casting resin, fully enclosed and post type product. It is used for metering electric energy and current, relay protection in the electrical system It conforms to the standards IEC44-1 and GB20840.2-2014.

型号含义 Type designation

L	F	S	B	-	10	Q
加强绝缘 Reinforced insulation	电压等级 Voltage grade, kV	保护用 For protection	手车式开关柜用 For switch of handcart	封闭式 Enclosed type	电流互感器 Current transformer	

结构简介 Structural introduction

本型电流互感器为环氧树脂浇注绝缘全封闭结构，具有优良的绝缘性能和防潮能力，体积小，重量轻，适宜于任何位置、任意方向安装。

This type of current transformer is fully enclosed and post type. It has a good ability of insulation, moisture proof and antipollution. It is small and light. It can be installed at any place and any direction.

技术参数 Technical parameter

- 1、额定绝缘水平: 12/42/75kV;
- 2、额定二次电流: 5A, 1A;
- 3、额定一次电流、准确级组合、额定输出及额定动、热稳定电流见表:
- 4、局部放电水平符合GB20840.2-2014《电流互感器》标准。
- 5、污秽等级: II级。
- 1、Rated insulation level: 12/42/75kV;
- 2、Rated secondary current: 5A, 1A;
- 3、Refer to the table for rated primary current, accuracy classes combination, rated output, rated dynamic and thermal current.
- 4、The conditions of partial discharge test is in line with GB20840.2-2014 current transformer.
- 5、Antipollution calss: II class.

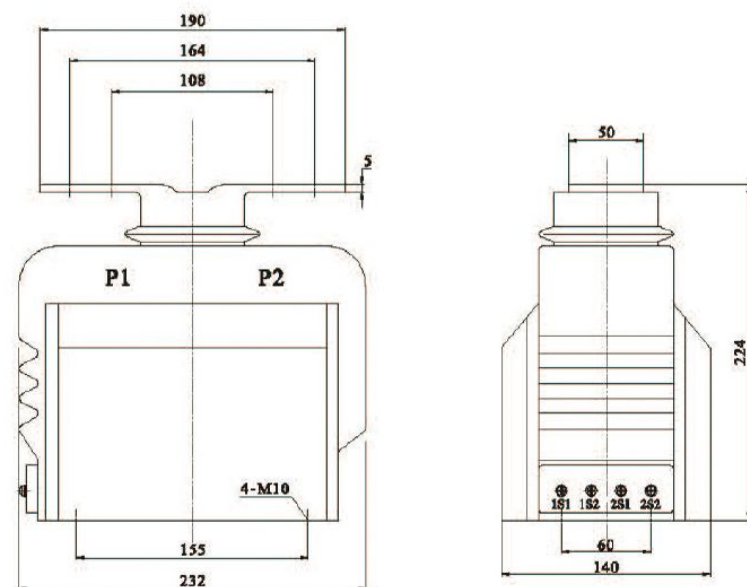
LFS-10Q,LFSB-10电流互感器(同于LZZB/LZZBJ-10)

LFS-10Q,LFSB-10 Current transformer(equivalent to LZZB/LZZBJ-10)

Key of Power
Electric Professional
>

型号 Model	额定一次电流 Rated Primary Current (A)	准确级组合 Accurate Grade Combination	额定二次输出 Rated Secondary Output (VA)			额定短时热电流(KA有效值) Rated Short-time thermal-current (KA virtual value)	额定动稳定电流(KA有效值) Rated Dynamic Stability Current (KA virtual value)
			0.2	0.5	10P10		
LFS-10 (LZZB-10)	5~200	0.2/0.2 0.5/0.5 0.2/0.5 0.2/10P10 0.5/10P10	10	10	15	80I _{1N}	200I _{1N}
	300					21	50
	400					24	60
	600					30	70
	800					40	75
	1000						
LFSB-10 (LZZBJ-10)	5~200	0.2/10P10 0.5/10P10	10	10	20	80I _{1N}	200I _{1N}
	300					21	50
	400					24	60
	600					30	70
	800					40	75
	1000						

外形及安装尺寸 Outline and installation dimension

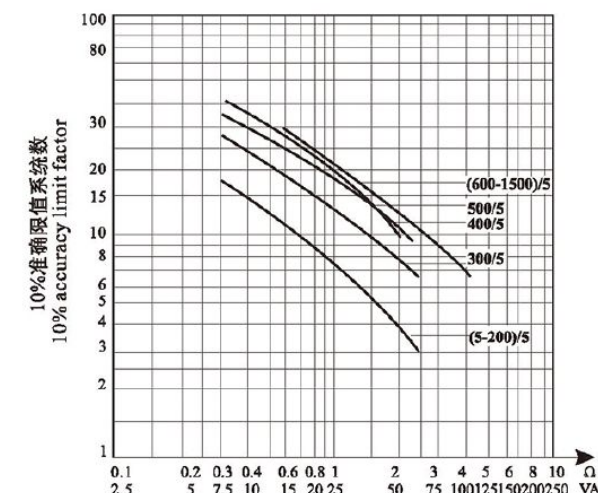
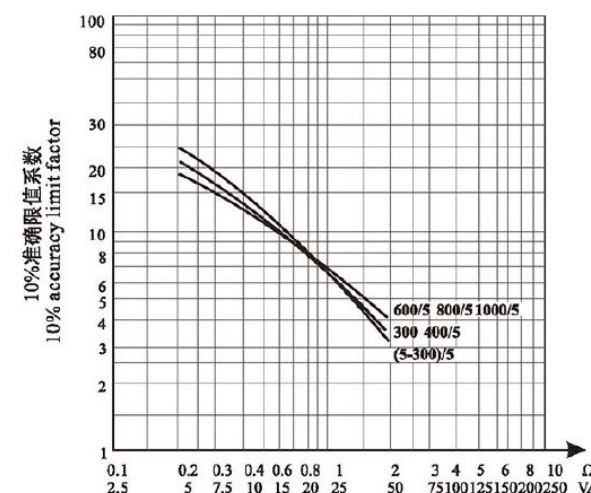
LFS-10Q(LZZB-10)外形及安装尺寸图
Outline and installation dimension of LFS-10(LZZB-10)

LFSQ-10 电流互感器 (同于LZZB1-10)

LFSQ-10 Current transformer(equivalent to LZZB1-10)

Key of Power
Electric Professional
>

技术参数 Technical parameter



产品类型 Type	额定一次电流 Rated primary current (A)	准确级组合 Accuracy class Combination	额定输出 Rated output(VA)	1s热电流(kA有效值) 1s thermal current (kA Virtual value)	动稳定电流(kA峰值) Dynamic stability (kA peak)
LFSQ-10	5,10	0.2/0.2 0.2/0.5 0.5/10P10	10/10	150 I _{1m}	2.5 I _{1m}
	15,20,30,40,50		10/10	400 I _{1n}	2.5 I _{1n}
	75		10/10	32	90
	100,150,200		10/15	45	100
	300	0.2/0.2 0.2/0.5 0.5/10P10	15/15	63	130
	400,500		15/15		
			15/20		
			20/20		
		0.2/0.2 0.2/0.5 0.5/10P10	20/20		
			20/30		
			30/30		
			30/40		
	1000~1500	0.2/0.2 0.2/0.5 0.5/10P10	40/40		
			40/40		
			40/40		

LFSQ-10 电流互感器 (同于LZZB1-10)

LFSQ-10 Current transformer(equivalent to LZZB1-10)

Key of Power
Electric Professional
>

外形及安装尺寸图 Outline and installation dimension

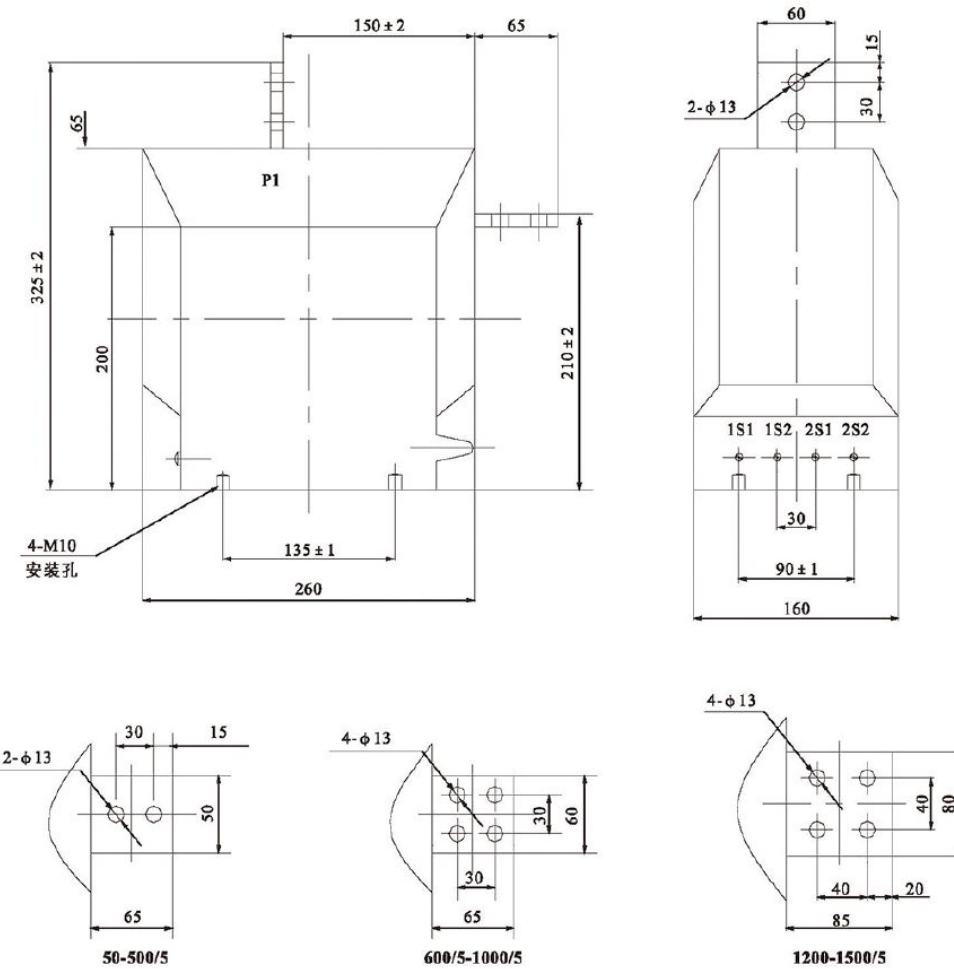


图1 LFSQ-10 外形及安装尺寸
Fig 1 Overall dimension drawing of LFSQ-10 current transformer

LQJ/LQZBJ-10Q 电流互感器

LQJ/LQZBJ-10Q Current transformer

Key of Power
Electric Professional
>



技术参数 Technical parameter

型号 Type	额定电压 Rated voltage (kV)	额定一次电流 Rated Primary current (A)	额定二次电流 Rated secondary current (A)	准确级组合 Accuracy class		额定二次负荷 Rated secondary load (VA)				1s 短时热电流 (kA有效值) 1s Short time current (kA virtual value)	额定动稳定 电流(kA峰值) Rated dynamic stability current (kA peak)	重量 Weight (kg)
				第一 铁心 Core NO 1	第二 铁心 Core NO 2	0.2 (0.5) 级 Class	1级 Class	3级 Class	10P级 Class			
LQZBJ-10Q	10	5	5	0.5	10P	10	10	30	30	0.45	1.1	15.2
		10								0.9	2.3	
		15								1.4	3.4	
		20								1.8	4.5	
		30								2.7	6.8	
		40								3.6	9	
		50								4.5	11.3	
		75								6.8	16.9	
		100								9	22.5	
		150								13.5	35.8	
		200								18	45	
		300								27	67.5	
		400								36	90	
		150		1	10P	15	15	30	30	13.5	35.8	15.5
		200								18	45	
		300								27	67.5	
		400								36	90	

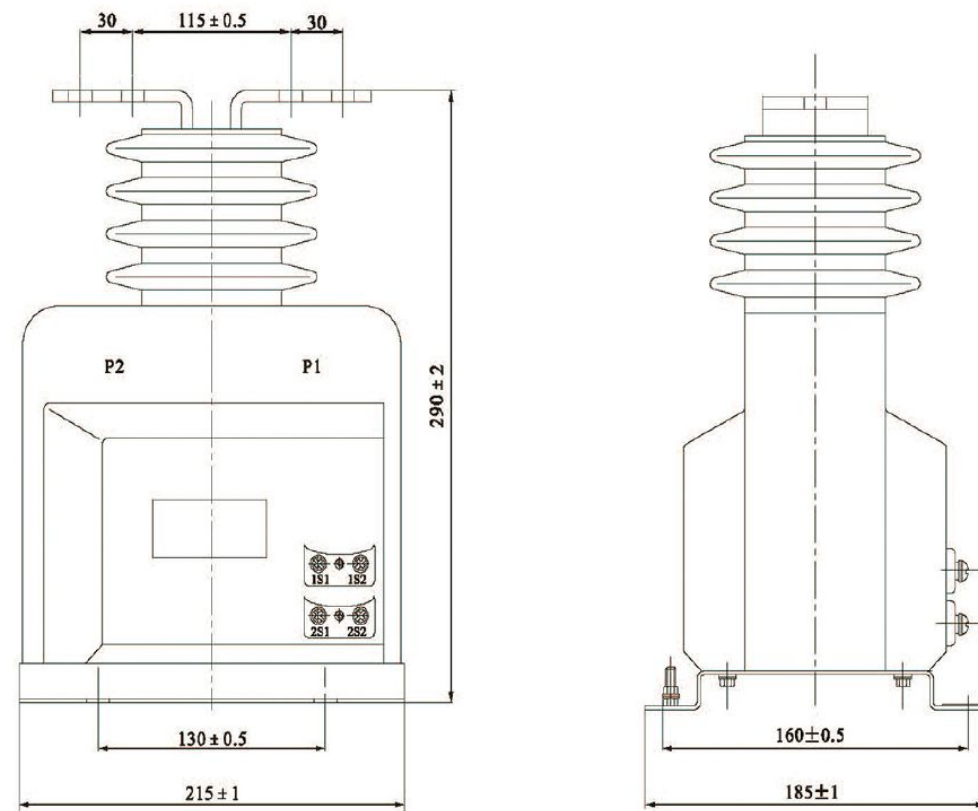
注: 10P级准确限值系数 15。
Note: Accuracy limit factor of class 10P is 15.

LQJ/LQZBJ-10Q 电流互感器

LQJ/LQZBJ-10Q Current transformer

Key of Power
Electric Professional
>

外形及安装尺寸图 Outline and installation dimension



LQZBJ-10Q外形及安装尺寸

2 Overall and installation dimension of LQZBJ-10Q current transformer

LZJ(C,D)-10(Q) 电流互感器

LZJ(C,D)-10(Q) Current transformer

Key of Power
Electric Professional
>

型号含义 Type designation



概述 Summary

LZJ(C, D)-10Q为环氧树脂浇注全封闭绝缘全工况支柱式电流互感器, 供额定频率为50Hz, 额定电压为10KV的交流线路中作电流、电能测量及继电保护之用。本产品在原老产品LZJ(C, D)-10基础上改进型设计的全封闭产品, 克服老产品表面爬距小不能做S级产品的缺点, LZJ(C, D)-10Q可完全取代LZJ(C, D)-10型。可广泛用于HXGN1-10型箱式交流金属封闭、环网柜。HK-10D型环网开关柜, HGKG-10型环网开关柜及其它环网柜中。

LZJ(C,D)-10Q Current transformer is of an all work-condition post type with epoxy pouring wholly sealed insulation, used for measurement of current and electric energy power as well as relay protection in the AC circuit of rated frequency 50Hz and rated voltage 10KV. This product is the whole sealing one designed on basis of previous LZJ(C, D)-10 product. Having overcome the disadvantage of the old product that the surface creep distance is too small to make Class S product, LZJ(C, D)-10Q current transformer can completely replace LZJ(C, D)-10 type, it can be widely used for HXGN1-10 box-type AC metallic enclosed ring main writ, HK-10D type ring main writ, HGKG-10 type ring main writ and other ring main writs.

技术参数 Technical parameter

产品性能符合IEC标准和GB20840.2-2014《电流互感器》

The performance of products is conformed to IEC standard and GB20840.2-2014 Current Transformer.

额定绝缘水平

Rated insulation level: 12/42/75kV

负荷功率因数

Load power factor: $\cos \phi = 0.8$ (滞后Lag)

额定频率

Rated frequency: 50Hz

额定二次电流 Rated secondary current: 5A, 1A

局部放电水平: 符合GB5583-85标准, 其局部放电不大于20PC.

Partial discharge level: In conformity to GB5583-85 standard, its partial discharge is not more than 20PC.

表面爬距: 255mm, 满足II级污秽地区。

Surface creep distance: 225mm, meeting polluted area grade II.

LZJ(C,D)-10(Q) 电流互感器

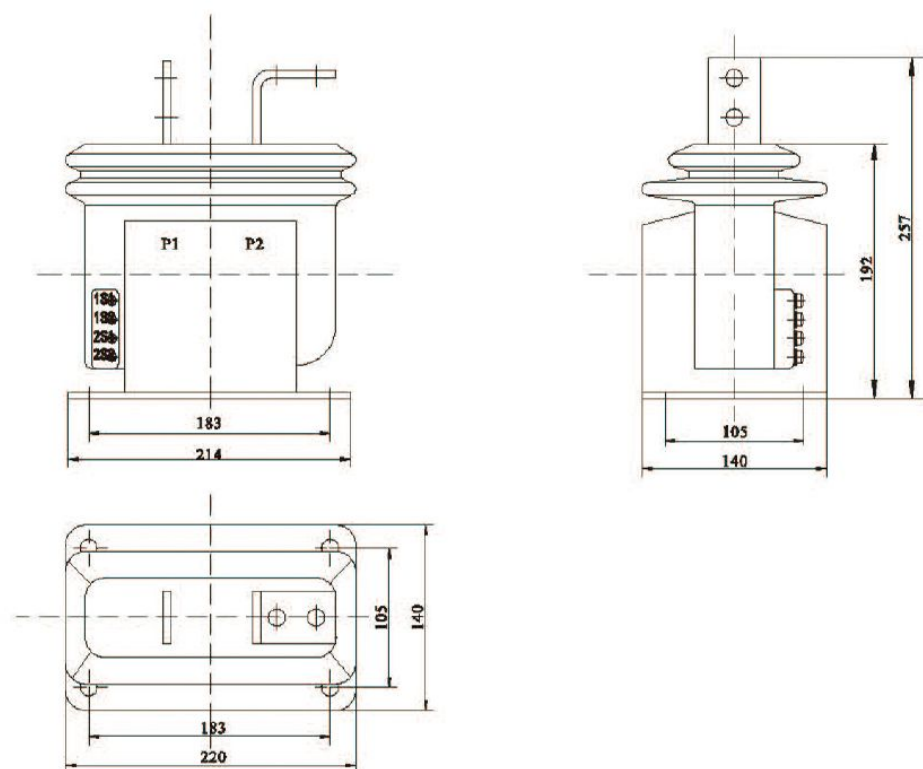
LZJ(C,D)-10(Q) Current transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

额定一次电流(A) Rated primary current(A)	准确级次组合 Accuracy class	额定一次输出(VA) Rated secondary output(VA)						额定短时热电流 (KA有效值) Rated short time thermal current (KA virtual value)	额定动稳定电流 (KA峰值) Rated dynamic stability current (KA peak)
		0.2S	0.2	0.5S	0.5	10P10	10P15		
5-300	0.2S/10P 0.2/10P 0.5S/10P 0.5/10P 0.2/0.5 0.2/0.2	10	10	10			15	100/1h	250/1h
400					10	15		45	112.5
500					15	15		56	140
600								20	20
800					25				
1000									

外形及安装尺寸图 Outline and installation dimension

LZJC-10Q 0.2级 外形及安装尺寸图
Outline and installation dimension of LZJC-10Q current transformer with accuracy class 0.2

LZZBJ9-10(A,B,C,A5G)电流互感器

LZZBJ9-10(A,B,C,A5G) Current transformer

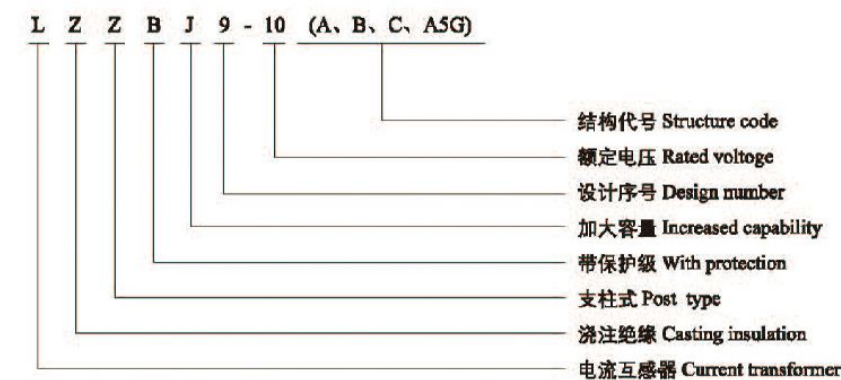
Key of Power
Electric Professional
>

概述 Summary

本型电流互感器为全封闭浇注绝缘支柱式，供额定频率为50Hz，额定电压为10kV的交流线路中作电流、电能测量及继电保护之用。

This current transformer is of a whole sealing casting insulation pillar type, used for measurement of current and electric energy as well as relay protection in the AC circuit of rated frequency 50Hz and rated voltage 10kV.

型号含义 Type designation



技术参数 Technical parameter

产品性能符合IEC标准和GB20840.2-2014《电流互感器》

The performance of products is conformed to IEC standard and GB20840.2-2014 Current Transformer.

额定绝缘水平 Rated insulation level: 12/42/75kV

负荷功率因数 Load power factor: $\cos \phi = 0.8$ (滞后Lag)

额定频率 Rated frequency: 50Hz

额定二次电流 Rated secondary current: 5A、1A

局部放电水平: 符合GB5583-85标准，其局部放电不大于20PC。

Partial discharge level: In conformity to GB5583-85 standard, its partial discharge is not more than 20PC.

LZZBJ9-10(A,B,C,A5G)电流互感器

LZZBJ9-10(A,B,C,A5G) Current transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

额定一次电流(A) Rated primary current(A)	额定一次电流(A) Rated primary current(A)	准确级次组合 Accuracy class combination	额定二次输出(VA) Rated secondary output(VA)				额定短时热电流 (KA 有效值) Rated short time thermal current (kA virtual value)	额定动稳定电流 (KA 有效值) Rated dynamic stability current (kA peak)
			0.2、0.2S	0.5、0.5S	10P10	10P15		
LZZBJ9-10 (A、B、C)	5	0.2/10P 0.2S/10P 0.5/10P 0.5S/10P	10	10	10	15	2	5
	10						4.5	11
	15						6.3	15
	20						9.5	23
	30						12.6	31.5
	40						18	45
	50						22	55
	70						36	80
	100-200						50	90
	300-600						72	100
	800-1250						80	110
	1500-3150						100	130

额定一次电流(A) Rated primary current(A)	额定一次电流(A) Rated primary current(A)	准确级次组合 Accuracy class combination	额定输出(VA) Rated output(VA)	额定短时热电流 (KA 有效值) Rated short time thermal current (kA virtual value)	额定动稳定电流 (KA 有效值) Rated dynamic stability current (kA peak)
LZZBJ9-10A5G	20,30,40,50,75,100	0.2/0.2S/5P10	10/10/40	150IIn	375IIn
	150,200	0.2/0.5/5P15	10/15/30	31.5	80
	300,400	0.2/0.5/5P20	10/15/20	45	112.5
	500	0.2/5P10/10P15	10/20/20	63	130
	600,800	0.5/5P10/10P20	10/20/15	63	130
	1000,1200,1250	0.2/0.2/5P10	10/10/40	80	160
		0.2/0.5/5P15	10/15/30		
		0.2/0.5/5P20	10/15/20		
		0.2/5P10/10P15	10/20/20		
		0.5/5P10/10P20	10/20/15		
LZZBJ9-10A5G	1500	0.2/0.2/5P10	10/10/40	100	160
	2000	0.2/0.5/5P15	10/15/30		
		0.2/0.5/5P20	10/15/20		
	2500	0.2/5P10/10P15	10/20/20		
		0.5/5P10/10P20	10/20/15		
	3000,3150	0.2/0.2/5P10	10/10/40		
		0.2/0.5/5P15	10/15/30		
		0.2/0.5/5P20	10/15/20		
		0.2/5P10/10P15	10/20/20		
		0.5/5P10/10P20	10/20/15		

LZZBJ9-10(A,B,C,A5G)电流互感器

LZZBJ9-10(A,B,C,A5G) Current transformer

Key of Power
Electric Professional
>

外形及安装尺寸 Outline and installation dimension

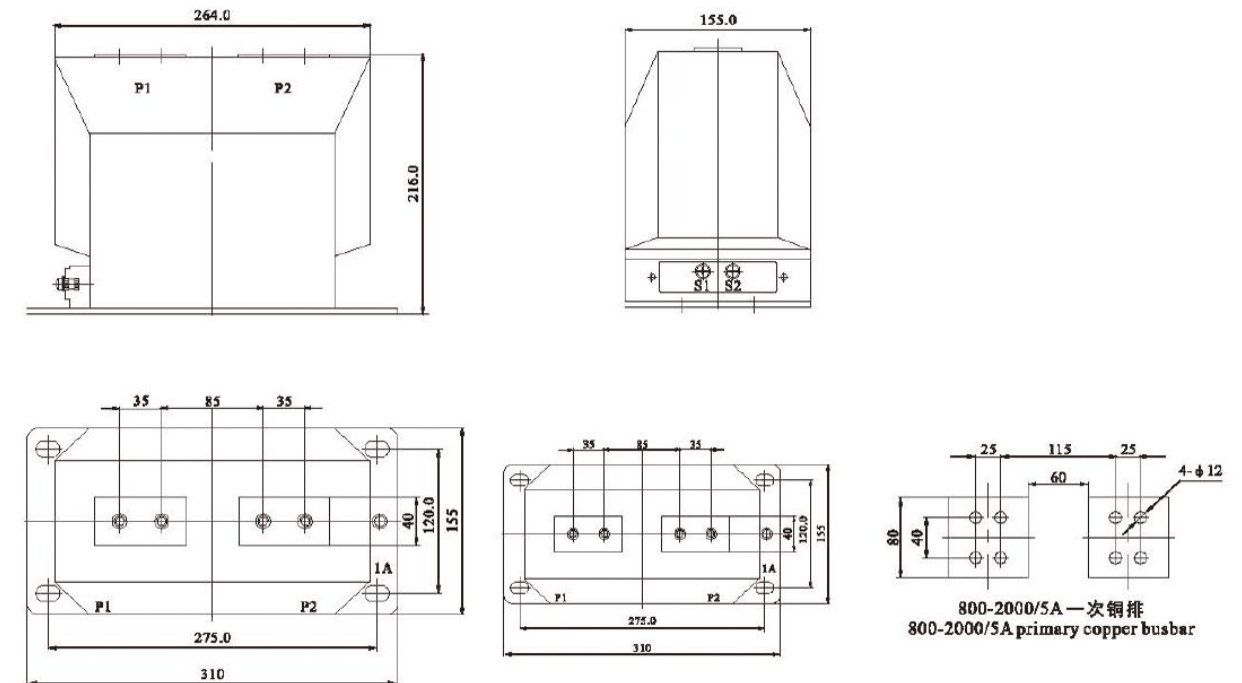


图1 LZZBJ9-10A 外形及安装尺寸
Fig 1 Overall and installation dimension of LZZBJ9-10A current transformer

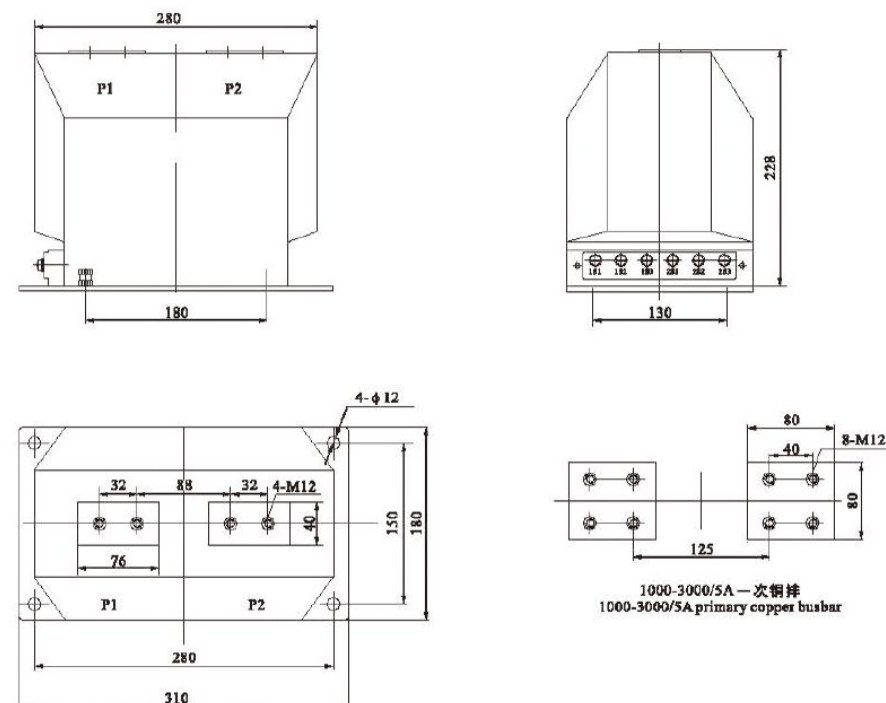


图4 LZZBJ9-10C 2外形及安装尺寸
Fig 4 Overall and installation dimension of LZZBJ9-10C 2 current transformer

LZZBJ9-10(A,B,C,A5G) 电流互感器

LZZBJ9-10(A,B,C,A5G) Current transformer

Key of Power
Electric Professional
>

外形及安装尺寸图 Outline and installation dimension

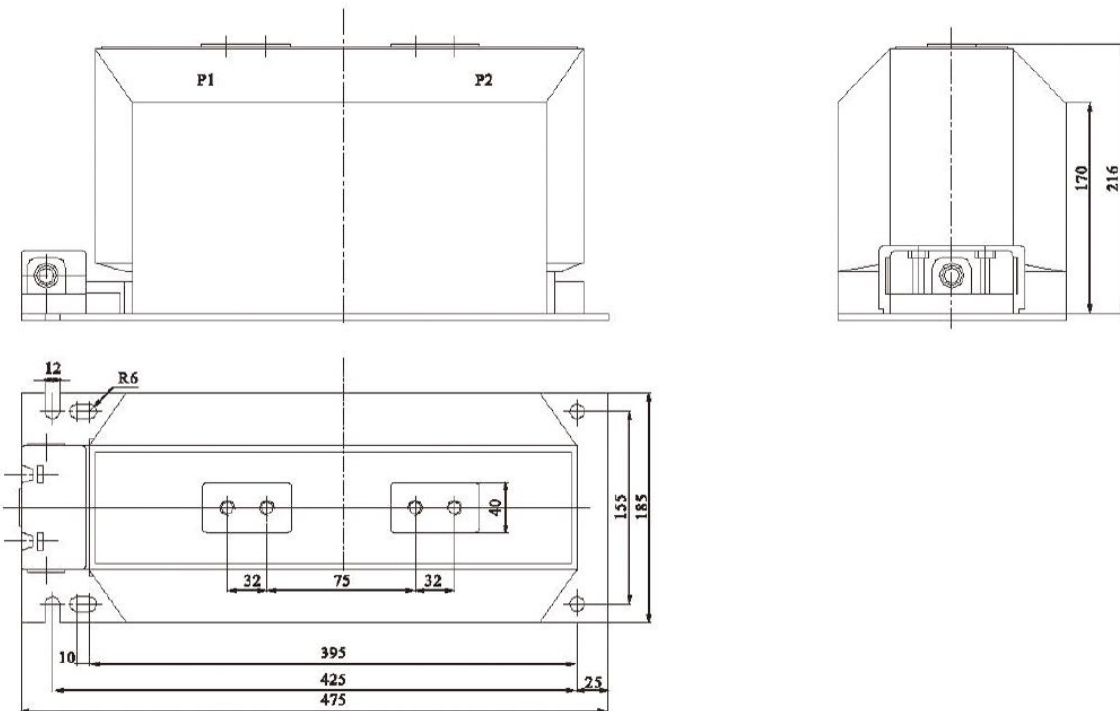


图5 LZZBJ9-10A5G 5-1000A 外形及安装尺寸

Fig 5 Overall and installation dimension of LZZBJ9-10A5G 5-1000A current transformer

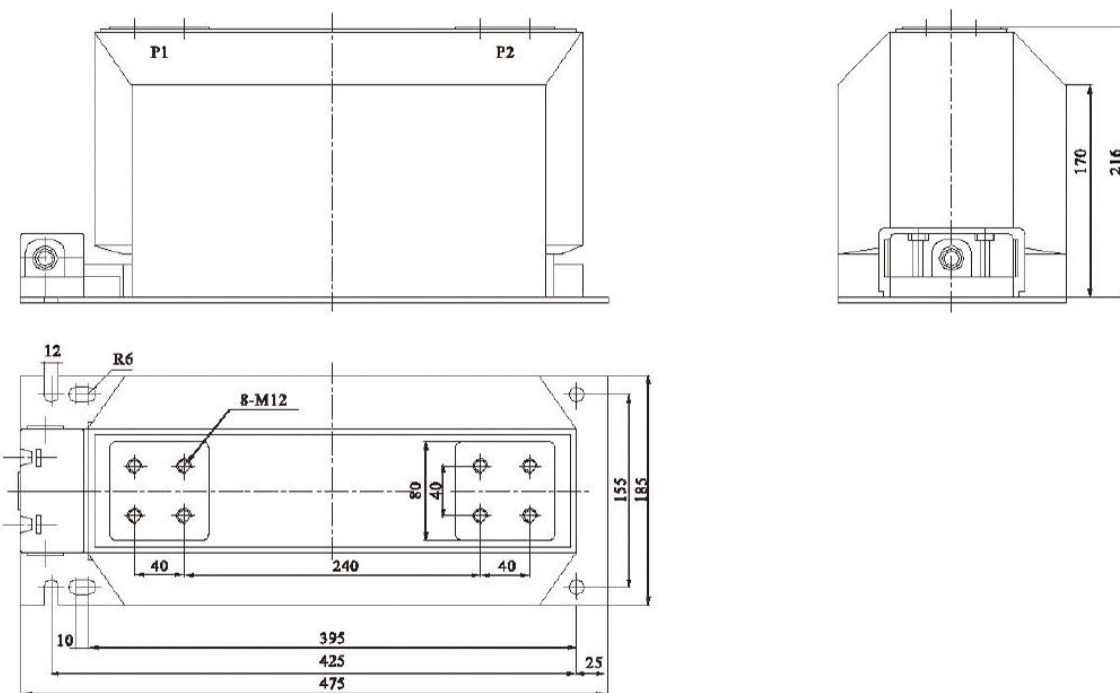


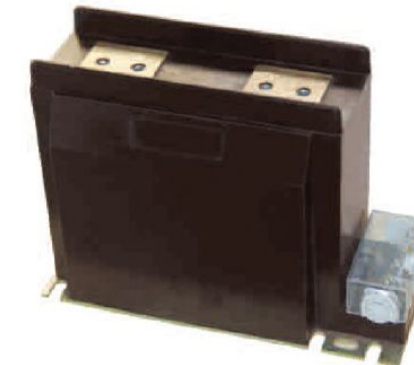
图6 LZZBJ9-10A5G 1200-3000A 外形及安装尺寸

Fig 6 Overall and installation dimension of LZZBJ9-10A5G 1200-3000A current transformer

Key of Power
Electric Professional
>

LZZBJ18-10(G)/150,LZZBJ18-10/185电流互感器

LZZBJ18-10(G)/150,LZZBJ18-10/185 Current transformer



概述 Summary

本系列电流互感器为环氧树脂真空浇注全封闭支柱式结构，采用先进的材料及工艺，适用于户内交流50-60Hz，额定电压为10、20kV的电力线路中作电流、电能的测量和继电保护使用，本产品为新一代高精度、高动热稳定、大容量型产品，二次绕组数量2~4个，可根据不同需要任意组合。

This series of current transformers is of epoxy resin vacuum casting fully-enclosed support-type, they adopt advanced materials and technology, they are used for current, power measurement and relay protection indoors alternate power system with frequency 50-60Hz, rated voltage 10KV and below. This series of products has the newest series super precision, super dynamic and thermal stability, large-capacity, number of secondary winding is 2-4, can be arbitrarily composed by different needs.

技术参数 Technical parameter

1. 额定绝缘水平: 10kV: 12/42/75kV
20kV: 24/65/125kV
2. 负荷的功率因数: $\cos \phi = 0.8$ (滞后)
3. 额定二次电流: 5A (或 2A, 1A)
1. Rated insulation level: 10kV: 12/42/75KV;
20KV: 24/65/125KV
2. Power factor of load: $\cos \phi = 0.8$ (lagging)
3. Rated secondary current: 5A (or 2A, 1A)

LZZBJ18-10(G)/150,LZZBJ18-10/185电流互感器

LZZBJ18-10(G)/150,LZZBJ18-10/185 Current transformer

Key of Power
Electric Professional
>

LZZBJ18-10/150b/2型type

额定一次电流 Rated primary current (A)	1秒热电流 (kV有效值) 1s thermal current (kV virtual value)	动稳定电流 (kV峰值) Dynamic standing current (kV peak)	准确级组合(1S/2S) Accuracy class combination	额定二次输出(VA) Rated secondary output		
				0.2S	0.5	5P15(10P15)
20	2	5	0.2/0.5/10P10 0.2/0.5/5P10 0.5/0.5/10P10 0.2/0.2/10P10 0.5/0.5/5P10 0.2/0.2/5P10	10	10	15
30	3	7.5				
40-50	5.4	13.5				
75	8.1	20.2				
100	10.8	27				
150	16.2	40.5				
200	24.3	60.7				
300	37.8	94.5				
400	48.6	121.5				
500	63	150				
600-630	80	160			15	10
800-1000	80	160				
1200	100	160				
1500	100	160				

LZZBJ18-10/185h/2型type

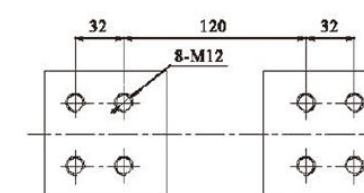
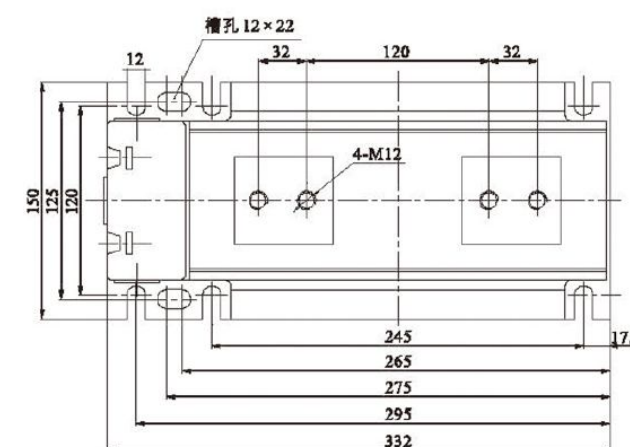
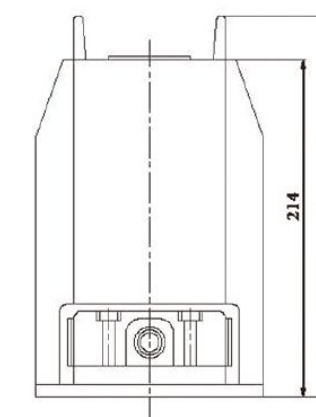
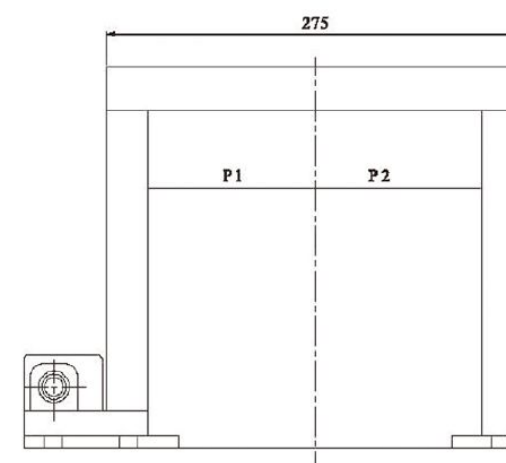
额定一次电流 Rated primary current (A)	1秒热电流 (kV有效值) 1s thermal current (kV virtual value)	动稳定电流 (kV峰值) Dynamic standing current (kV peak)	准确级组合(1S/2S) Accuracy class combination	额定二次输出(VA) Rated secondary output				
				0.2S	0.2	0.5	5P10 10P10	5P15 10P15
10-40	150I th	375I th	0.2/0.2 0.2/0.5 0.2/10P 0.5/10P 0.2/5P 0.5/5P	10	10	15	20	10
50-100	150I th	375I th						
150-300	45	100						
400、500、600	63	130						
800-1000	80	160			15	20	30	15
1200-1600	80	160						
2000-3150	100	160						

Key of Power
Electric Professional
>

LZZBJ18-10(G)/150,LZZBJ18-10/185电流互感器

LZZBJ18-10(G)/150,LZZBJ18-10/185 Current transformer

外形及安装尺寸图 Outline and installation dimension

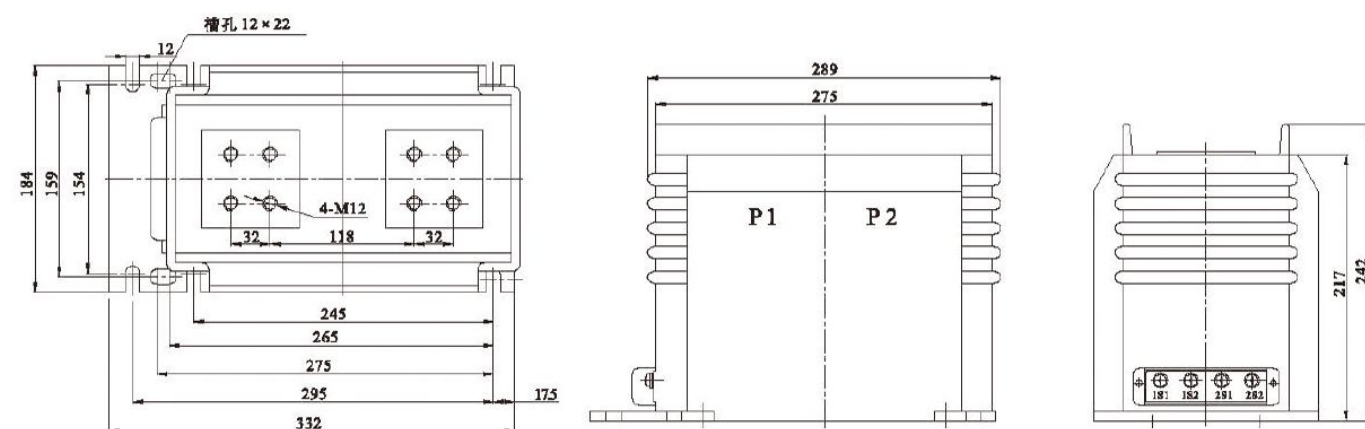
1200/5A-2500/5A一次铜排尺寸
Size of primary copper busbar of 1200/5A-2500/5ALZZBJ18-10/150b/2型(等同于AS12/150b/2S)
LZZBJ18-10/150b/2 type (equivalent to AS12/150b/2S)

LZZBJ18-10(G)/150,LZZBJ18-10/185 电流互感器

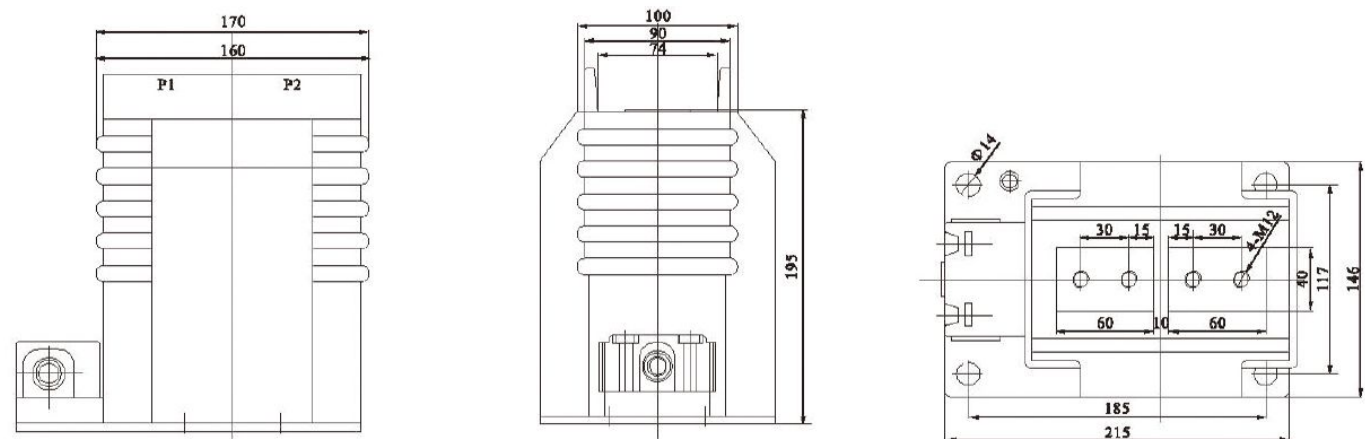
LZZBJ18-10(G)/150,LZZBJ18-10/185 Current transformer

Key of Power
Electric Professional
>

外形及安装尺寸 Outline and installation dimension



LZZBJ18-10/185h/2型(等同于AS12/185h/2S)
LZZBJ18-10/185h/2 type (equivalent to AS12/185h/2S)



LZZBJ18-10 单绕组电器互感
JZZBJ18-10 Single-winding mutual inductance electrical

LM-6,10 电流互感器

LM-6,10 Current transformer

Key of Power
Electric Professional
>



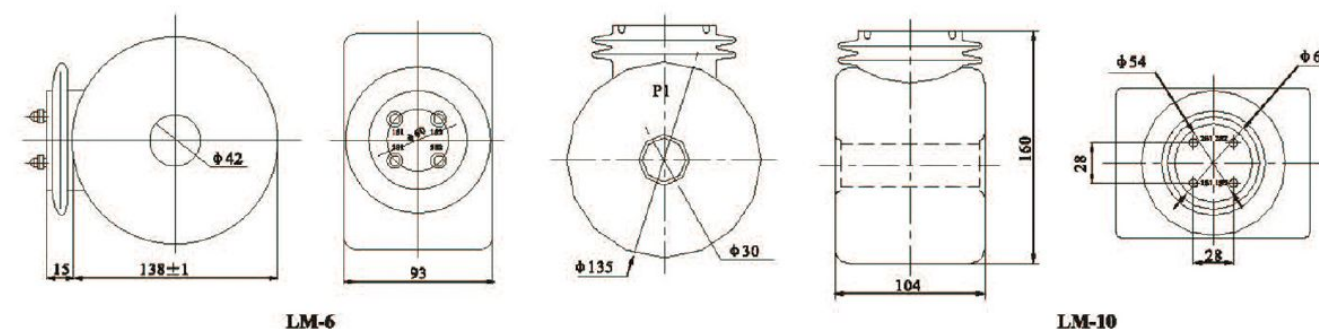
技术参数 Technical parameter

额定一次电流 Rated Primary current (A)	额定二次负荷 Rated secondary load(VA)		额定二次电流 Rated secondary current (A)	1秒热电流(kA有效值) 1s thermal current (kA effective)	动稳定电流(kA 峰值) Dynamic stability current (kA peak)
	1S,1S2 cos=φ 0.8	2S,2S2 cos=φ 1.0			
50	3.75	25	5	6	4*
100				12	4
150,200,300,400				16	5

产品绝缘水平 Insulation level of the product

额定绝缘水平 Rated insulation level: 7.2/32/60KV 12/42/75kV

外形及安装尺寸图 Outline and installation dimension

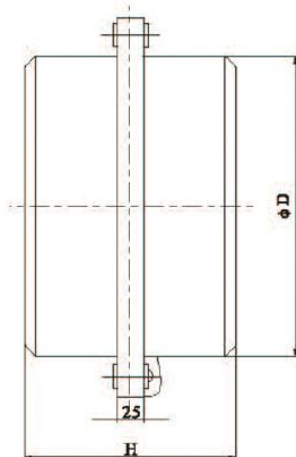
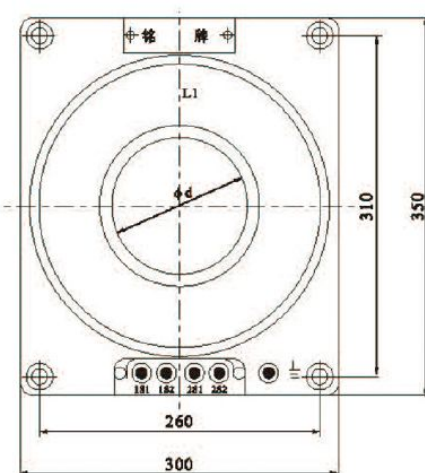


LMZB6-10 电流互感器

LMZB6-10 Current transformer

Key of Power
Electric Professional
>

外形及安装尺寸 Outline and installation dimension



型号 Type	额定一次电流 Rated primary current (A)	准确级组合 Accuracy classes combination	φ d (mm)	φ D (mm)	H (mm)	重量 Weight (kg)
LMZB6-10	1500	0.5/10P 10P/10P	φ 125	φ 278	192	28
	2000					
	3000		φ 160	φ 286	243	
	4000					

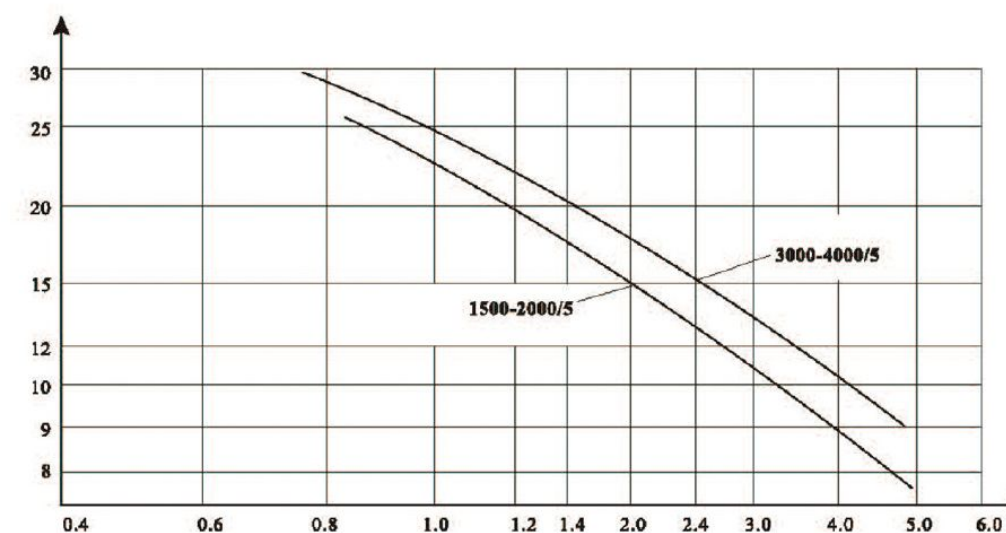
LMZB6-10 电流互感器

LMZB6-10 Current transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

型号 Type	额定电压 Rated voltage (kV)	额定一次电流 Rated primary current (A)	额定二次电流 Rated secondary current (A)	准确级组合 Accuracy classes combination	额定二次负荷 Rated secondary load(VA)		10P级准确限值系数 Accuracy limit factor for 10P	
					0.5级 class	10级 class		
LMZB6-10	10	1500	5或1 5or1	0.5/10P 10P/10P	50	50	15	
		2000			60	60		
		3000						
		4000						



额定绝缘水平:
Rated insulation level 12/42/75kV
10P级准确限值系数与额定二次负荷的关系曲线如下图:
Relation curve of accuracy limit factor for 10P and rated secondary load is shown as follows:

LZZB8-20 电流互感器

LZZB8-20 Current transformer

Key of Power
Electric Professional
>

概述 Summary

本型电流互感器为环氧树脂浇注全封闭产品，适用于额定频率50Hz或60Hz、额定电压20kV及以下的电力系统中，作电能计量、电流测量和继电保护用。本产品符合IEC44-1及GB20840.2-2014《电流互感器》标准。

The current transformer is casting resin and fully enclosed product. It is used for metering electric energy and current, relay protection in the relay protection in the electrical system of rated frequency 50Hz or 60Hz and rated voltage 20kV. The transformers be executed according to the standards IEC44-1 and GB20840.2-2014

型号含义 Type designation



结构简介 Structural introduction

本型电流互感器为全封闭支柱式结构，产品体积小，重量轻，底部有4-M10安装孔。

This type of current transformer is fully enclosed and post type. It is small and light. There are four fixing hole of M10 on the bottom.

技术参数 Technical parameter

1. 额定绝缘水平(rated insulated level):24/65/125kV
2. 额定二次电流(rated secondary current):5A,1A
3. 额定一次电流、准确级组合、额定输出及动、热稳定电流。
Rated primary current, accuracy combination, rated output, dynamic and thermal stability current.
4. 局部放电水平符合GB20840.2-2014《电流互感器》标准。
Partial discharge levels consistent GB20840.2-2014 "current transformer" standard.

LZZB8-20 电流互感器

LZZB8-20 Current transformer

Key of Power
Electric Professional
>

动态稳定技术参数 Dynamic thermal stability technical parameters

额定一次电流 Rated primary current (A)	准备级组合 Accuracy classes combination	额定输出 Rated output(VA)				额定短时热 电流(I _{th}) short-time thermal current(kA)	额定动稳定 电流(I _{dyn}) Rated dynamic current(kA)			
		0.2S、0.2	0.5S、0.5	10P10	10P15					
30-150	0.2S/0.5S/10P 0.2S/0.5/10P 0.5S/0.5/10P		10	15	15	200I _{ln}	500I _{ln}			
150-200						31.5	80			
200-300						45	112.5			
300-400						63	130			
600-800		10	15	20	15	80	160			
1000-1250										
1500-2000										

注：(1)若用户有要求时，测量级可为0.2S、0.5S。

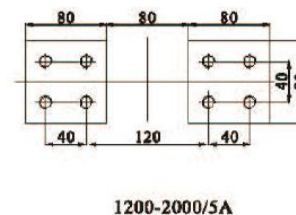
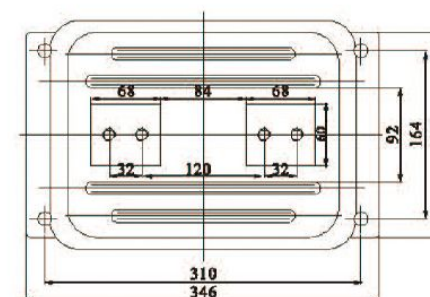
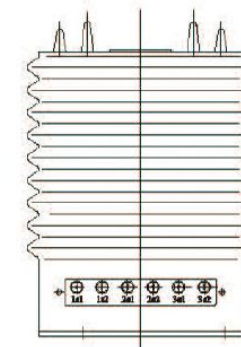
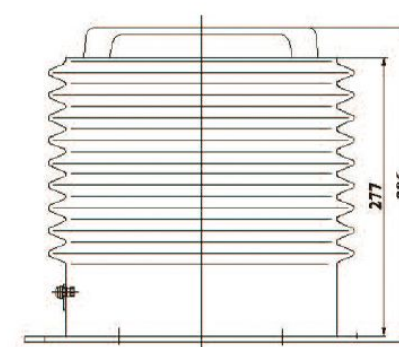
If being request, the measuring class can reach to 0.2S or 0.5S class.

(2)可为单测量绕组或单保护绕组复变比电流互感器，如单测量绕组：100-150-200/5A，0.2级10VA，I_{th}=31.5kA。

单保护绕组：100-150-200/5A 5P15 10VA I_{th}=31.5kA。

We can make multi-trans formation-ratio current transformation of single measuring winding or single protive winding, such as single measuring winding:100-150-200/5A 0.2 class 10VA, I_{th}=31.5kA.

single protective class:100-150-200/5A, 5P15 class, 10VA, I_{th}=31.5kA.



LZZBJ9-20 电流互感器

LZZBJ9-20 Current transformer

Key of Power
Electric Professional
>

概述 Summary

本型电流互感器为环氧树脂浇注全封闭产品，适用于额定频率50Hz或60Hz、额定电压20kV及以下的电力系统中，作电能计量、电流测量和继电保护用。本产品符合IEC44-1及GB20840.1-2010、GB20840.2-2014《电流互感器》标准。

The current transformer is casting resin and fully enclosed product. It is used for metering electric energy and current, relay protection in the relay protection in the electrical system of rated frequency 50Hz or 60Hz and rated voltage 20kV. The transformers be executed according to the standards IEC44-1 and GB20840.1-2010, GB20840.2-2014 Current Transformer.

含义型号 Type designation



结构简介 Structural introduction

本型电流互感器为全封闭支柱式结构，产品体积小，重量轻，底部有4-M10安装孔。

This type of current transformer is fully enclosed and post type. It is small and light. There are four fixing hole of 4-M10 on the bottom.

技术参数 Technical parameter

1、额定绝缘水平(Rated insulated level): 24/65/125kV

2、额定二次电流(Rated secondary current): 5A, 1A

3、额定一次电流、准确级组合、额定输出及动、热稳定电流。

Rated primary current, accuracy combination, rated output, dynamic and thermal stability current.

4、局部放电水平符合GB20840.1-2010及GB20840.2-2014《电流互感器》标准。

The conditions of the partial discharge test according to GB20840.1-2010 & GB20840.2-2014 Current transformer will be fulfilled without exception.

LZZBJ9-20 电流互感器

LZZBJ9-20 Current transformer

Key of Power
Electric Professional
>

动热稳定技术参数 Dynamic thermal stability technical parameter

额定一次电流 Rated primary current (A)	准确级组合 Accuracy classes combination	额定输出 Rated output(VA)				额定短时热 电流(I _{th}) short-time thermal current(kA)	额定动稳定 电流(I _{dyn}) Rated dynamic current(kA)
		0.2S、0.2	0.5S、0.5	10P10	10P15		
30-150	0.2S/0.5S/10P 0.2S/0.5/10P 0.5S/0.5/10P	10	10	15	15	200I _{ln}	500I _{ln}
150-200						31.5	80
200-300						45	112.5
300-400						63	130
600-800		15	15	20	15	80	160
1000-1250						100	160
1500-2000		15	20	30	20	100	160

注：(1)若用户有要求时，测量级可为0.2S、0.5S。

If being request, the measuring class can reach to 0.2S or 0.5S class.

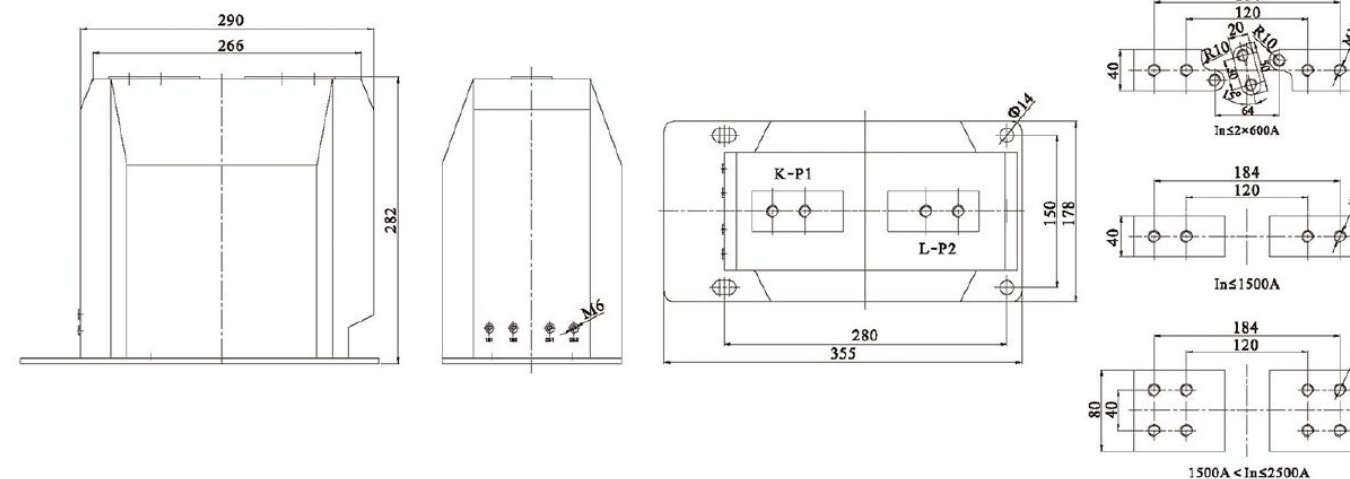
(2)可为单测量绕组或单保护绕组复变比电流互感器，如单测量绕组：100-150-200/5A，0.2级10VA，I_{th}=31.5kA。

单保护绕组：100-150-200/5A 5P15 10VA I_{th}=31.5kA。

We can make multi-trans formation-ratio current transformation of single measuring winding or single protive winding, such as single measuring winding:100-150-200/5A 0.2 class 10VA, I_{th}=31.5kA.

single protective class:100-150-200/5A, 5P15 class, 10VA, I_{th}=31.5kA.

外形及安装尺寸 Outline and installation dimension



LCZ(LCZBJ)-35 全封闭支柱式电流互感器
LCZ(LCZBJ)-35 Full-enclosed post-type current transformer

Key of Power
Electric Professional
>



概述 Summary

本型电流互感器为环氧树脂浇注全封闭支柱式结构。适用于额定电压为35kV及以下，额定频率为50Hz或60Hz的户内电力系统中作电流、电能计量和继电保护使用。本产品的特点为动热稳定参数高，二次输出容量大，绝缘性稳定、耐污秽等。可完全取代LCZ-35Q、LZZ-35Q等老式同类产品。

This current transformer is of epoxy resin casting full-enclosed post type. It's used for current power measurement and relay protection in indoor power system with rated voltage 35kV and below, rated frequency 50Hz or 60Hz. The characteristics of this product is super dynamic and thermal stability, large capacity of secondary output, stable insulated property, dirt-proof etc, can completely substitute these old-type similar products such as LCZ-35Q, LZZ-35Q etc.

技术参数 Technical parameter

1. 额定绝缘水平: 40.5/85/185kV

2. 负荷功率因数: $\cos\phi=0.8$ (滞后Lag)

3. 额定二次电流: 5A(或2A、1A)

4. 表面爬电距离: 1100mm

5. 局部放电符合GB20840.2-2014《电流互感器》，测试电压为28kV时，所测局部放电量不大于20PC

6. 额定一次电流，准确级组合及相应的二次输出、动热稳定电流等见表。

7. 如有要求，计量绕组精度可达到0.2S或0.5S级。

8. 重量: 95kg
1. Rated insulation level: 40.5/85/185kV

2. Power dependent variable of load: $\cos\phi=0.8$ (lagging)

3. Rated secondary current: 5A(or 2A,1A)

4. Surface creepage distance: 1100mm

5. Partial discharge level accords with GB20840.2-2014 Current transformer, when test voltage is 28kV, partial discharge is no more than 20PC.

6. Rated primary current, accuracy class combination and rated output, dynamic current, etc, are shown in table.

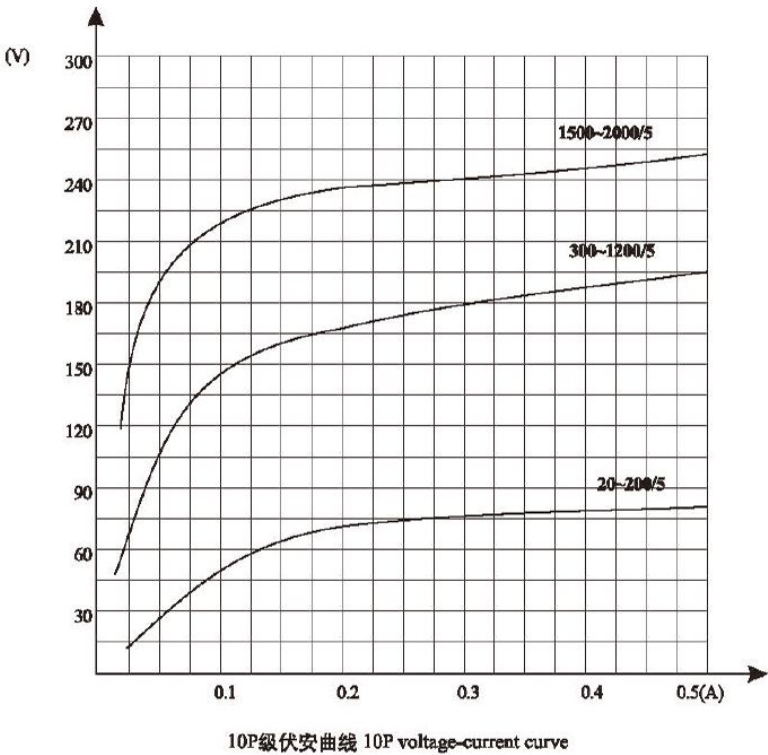
7. The metering winding class can be chosen from 0.2S or 0.5S, if requirement.

8. Weight: 95kg

LCZ(LCZBJ)-35 全封闭支柱式电流互感器
LCZ(LCZBJ)-35 Full-enclosed post-type current transformer

Key of Power
Electric Professional
>

额定一次电流 Rated primary current(A)	准确级 Accuracy class 1S/2S	额定二次输出 Rated secondary output(VA)				4秒热稳定电流 (kA有效值) 4S thermo stability current (kA virtual value)	动稳定电流 (kA峰值) Dynamic stability current(kA peak)
		0.2 S、0.2	0.5S、0.5	10P10	10P15		
15	0.2S/10P 0.5S/10P 或 0.2/10P 0.5/10P 0.2/0.5	20	40	30	20	3.15	7.8
20						4.5	11
30						6.3	15
40						9	22.5
50						12.5	3.5
75						16	37.5
100						25	62.5
150		30				31.5	78
200							
300		50	50	60	50	45	100
400							
500							
600							
800						55	130
1000						63	
1200						72	
1500						80	
2000							

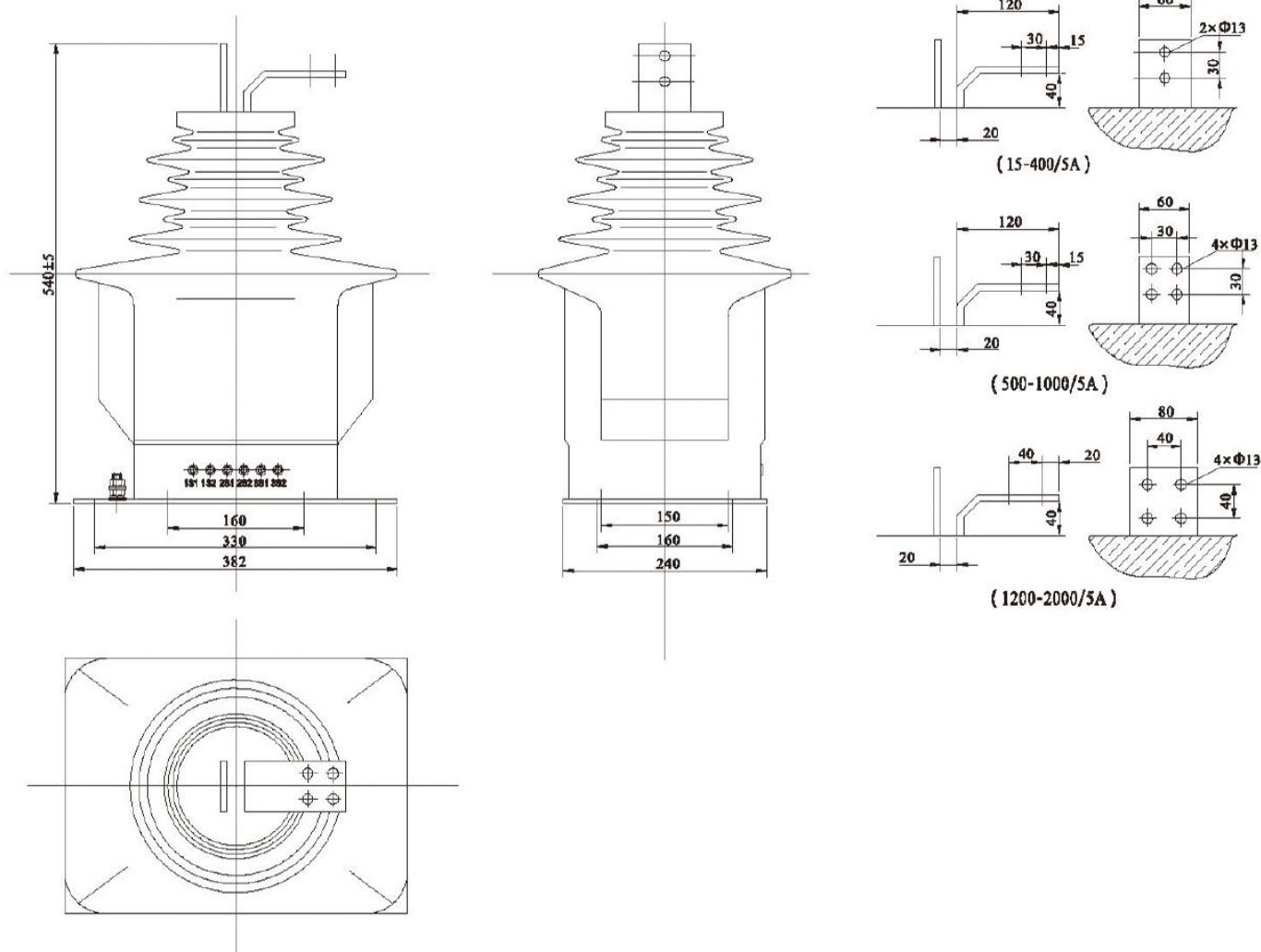


LCZ(LCZBJ)-35 全封闭支柱式电流互感器

LCZ(LCZBJ)-35 Full-enclosed post-type current transformer

Key of Power
Electric Professional
>

外形及安装尺寸 Outline and installation dimension



LZZB8-35 电流互感器

LZZB8-35 Current transformer

Key of Power
Electric Professional
>



概述 Summary

本系列电流互感器为环氧树脂浇注全封闭产品，适用于额定频率50Hz或60Hz、额定电压35kV及以下的电力系统中，作电能计量、电流测量和继电保护用。本产品符合IEC44-1及GB20840.2-2014《电流互感器》标准。

The current transformers of the types LZZB8-35 are casting resins and fully enclosed. It is used for metering electric energy and current, relay protection in the electrical system up to rated frequency 50Hz or 60Hz and rated voltage 35kV. The transformers can be executed according to the standards IEC44-1 and GB20840.2-2014.

型号含义 Type designation

L	Z	Z	B	8	-	35	A	G	
									改进设计 Improvement design
									结构代号 The construction code name
									电压等级 kV Voltage grade
									设计序号 Design sequence
									带保护级 With protection
									浇注绝缘 Casting resin insulation
									支柱式 Post type
									电流互感器 Current transformer

结构简介 Structural introduction

本系列电流互感器为全封闭支柱式结构，耐污染及潮湿，尺寸小，重量轻，适用于任何位置、任意方向安装。单变比一次绕组为固定式；双变比一次绕组采用串、并联，改变一次接线方式，可得到两种电流比。见图示，串联时为100/5A，并联时为200/5A，LZZB-35AG、LZZB8-35AG适用于宽度为1.2米的中置柜。

This current transformer is fully enclosed and posts type product. It has a good ability of antipollution and moisture prillf. It is small and light. It can be mounted in any position you like. The primary winging of double ratio one is series and parallel. See rig, when serie, it is 100/5A; when parallel, it is 200/5A. The types of LZZB8-35AG and LZZB8-35AG are use in the medium-put switch cabinet of the width 1.2m.

LZZB8-35 电流互感器

LZZB8-35 Current transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

1、额定绝缘水平(Rated insulated level): 40.5/95/185kV

2、额定二次电流(Rated secondary current): 5A, 1A

3、额定一次电流、准确级组合、额定输出及动、热稳定电流见表1、表2。

Rated primary current, accuracy combination, rated output, dynamic and thermal stability current Table 1, Table 2.

4、局部放电水平符合GB20840.2-2014《电流互感器》标准。

Partial discharge levels consistent GB20840.2-2014 "current transformer".

5、污秽等级: II级。Contamination Level: II class.

表1

型号 Type	额定一次电流 Rated primary current(A)	准确级组合 Accuracy classes combination	额定输出 Rated output (VA)	短时热电流(I _{th}) Short-time thermal current (kA/s)	额定动稳定电流 Rated dynamic current(kA)
LZZB8-35 LZZB8-35G 单变比 (Single ratio)	20	0.2/5P10	20/50	6/1	15
	30,40	0.5/5P10	30/50	7/1	17.5
	50	0.2/5P20	20/25	12/1	30
	75	0.5/5P20	30/25	16/1	40
	100	0.2/0.5/5P20	20/30/15	25/1	63
	150,200	0.2/5P10/5P20	20/30/15	31.5/1	80
	300,400	0.5/5P10/5P20	30/30/15	35.2/2	
	600	0.5/10P10/10P10/10P10 0.2/0.5/10P10/10P10/10P10 0.2/10P10/10P10/10P10	20/20/30/30 15/20/30/30 15/20/30/30	31.5/3	
	750	0.2/5P10 0.5/5P10 0.2/5P20 0.5/5P20	30/50 50/50 30/25 50/25	31.5/4	80
	800				
	1000				
	1250				
	1500	0.2/0.5/5P10 0.2/0.5/5P20 0.2/5P10/5P20 0.5/5P10/5P20	30/30/30 30/30/15 30/30/15 30/30/15	31.5/4	130
	2000				
	2500				
	3000				
	3150				
	LZZB8-35A LZZB8-35AG 单变比 (Single ratio)	20	0.2/5P10 0.5/5P10 0.2/5P20 0.5/5P20 0.2/0.5/5P10 0.2/0.5/5P20 0.2/5P10/5P20 0.5/5P10/5P20	20/50 30/50 20/25 30/25 20/30/30 20/30/15 20/30/15 30/30/15	6/1
30,40		7/1			17.5
50		12/1			30
75		16/1			40
100		25/1			63
150,200		31.5/1			80
300,400		31.5/2			
600		31.5/3			
750		0.2/5P10 0.5/5P10 0.2/5P20 0.5/5P20 0.2/0.5/5P10 0.2/0.5/5P20 0.2/5P10/5P20 0.5/5P10/5P20	30/50 50/50 30/25 50/25 30/30/30 30/30/15 30/30/15 30/30/15	31.5/4	80
800					
1000					
1250					
1500				31.5/4	130
2000					
2500					
3000					
3150					

LZZB8-35 电流互感器

LZZB8-35 Current transformer

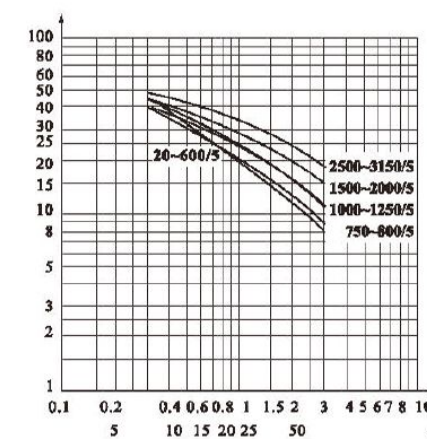
Key of Power
Electric Professional
>

表2

型号 Type	额定一次电流 Rated Primary Current (A)	准确级组合 Accuracy classes combination	额定输出 Rated output (VA)	额定短时热电流 (I _{th}) Rated short-time thermal current (kA)	额定动稳定电流 (I _{dyn}) Rated dynamic current (kA)
LZZB8-35 LZZB8-35G 双变比 (Double ratio)	2×20	0.2/5P10 0.5/5P10 0.2/5P20 0.2/5P20 0.2/0.5/5P10 0.2/0.5/5P20 0.2/5P10/5P20 0.5/5P/5P20	20/50 30/50 20/25 20/30/30 20/30/15 20/30/15 30/30/15	3-6	7.5-15
	20×30~2×50			6-12	15-30
	2×75			11-22	27.5-55
	2×100			14-28	35-70
	2×150			22.5-45	56-112
	2×200			32-64	80-160
	2×300			32-64	80-160
	2×400				
	2×600				
	2×750				

注: 若用户有要求, 测量级可为0.2S、0.5S级。(If being request, the measuring class can reach to 0.2S or 0.5S class.)

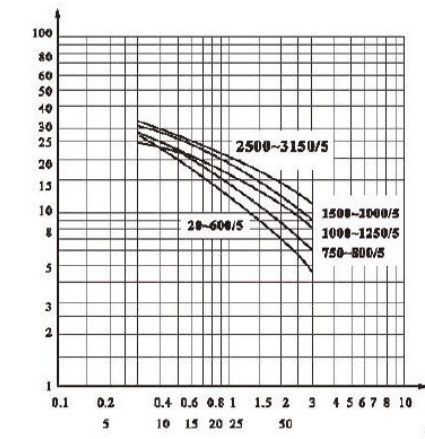
6、保护级准确限值系数与二次负荷关系曲线见图 (The relation curve between protection class accuracy limit factor and secondary output see fig):



LZZB-35 5P 二级次(Two secondary windings)

准确限值系数与二次负荷关系曲线

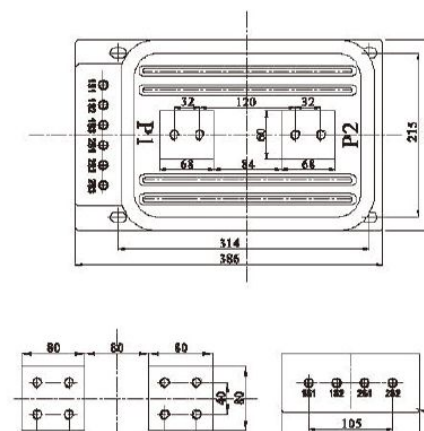
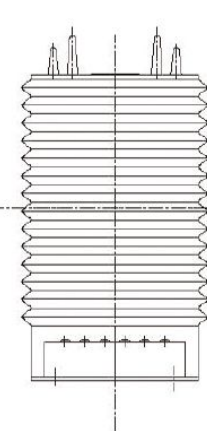
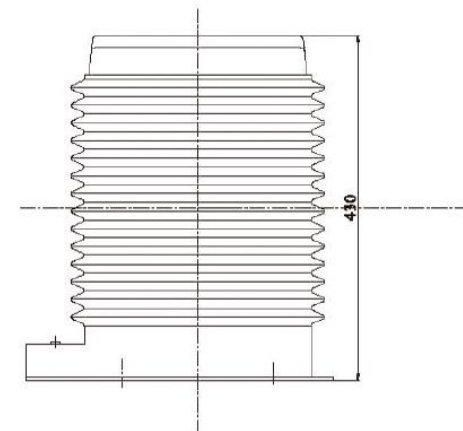
The relation curve between accuracy limit factor and secondary load



LZZB-35 5P 三级次、四级次(Three, four secondary windings)

准确限值系数与二次负荷关系曲线

The relation curve between accuracy limit factor and secondary load



二次绕组 Secondary winding

1250-3150A/5A

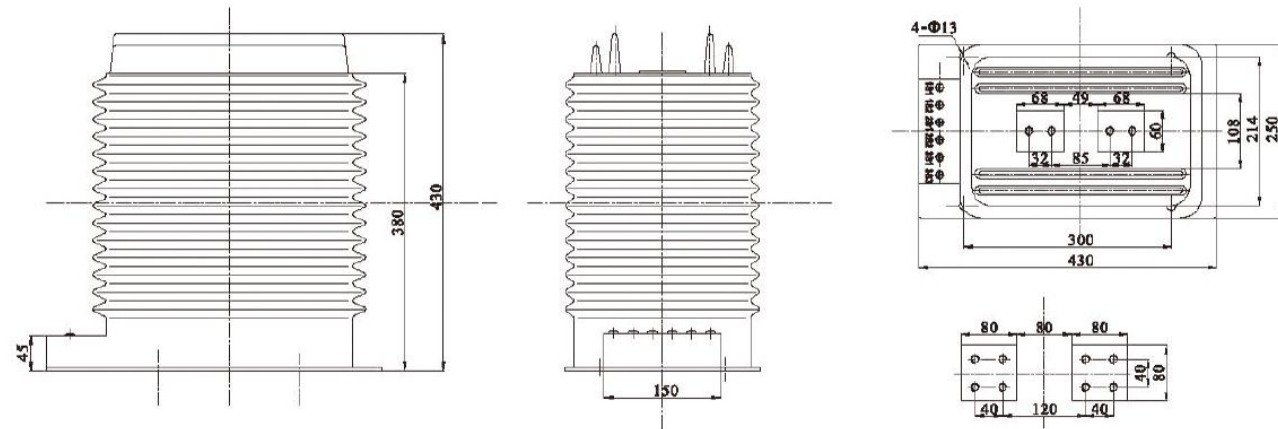
二次端子互换
Two terminals interchange

LZZB8-35 电流互感器

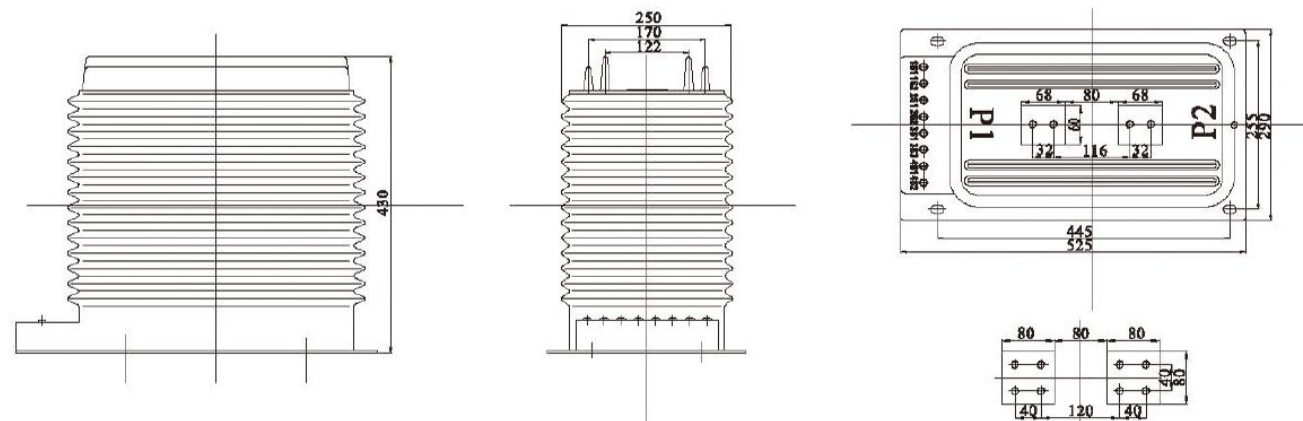
LZZBJ8-35 Current transformer

Key of Power
Electric Professional
>

外形及安装尺寸图 Outline and installation dimension



三绕组 Third winding



四绕组 Fourth winding

LZZW-6,10 户外电流互感器

LZZW-6,10 Outdoor current transformer

Key of Power
Electric Professional
>



概述 Summary

LZZW-6, 10是用进口户外环氧树脂浇注绝缘全封闭的户外支柱式高动热稳定、高精度、防污、高原、阻燃型电流互感器、供电系统作电流、电能测量及继电保护之用。

LZZW-6, 10 full-seal outdoor pole type adopts the imported outdoor epoxy casting insulation, has high dynamic heat stability, high precision, anti-fouling and fire-retardant property used for current and power measuring and relay protection in electric system of highland.

型号含义 Type designation



技术参数 Technical parameter

- | | |
|--------------------------------------|--|
| 1. 产品性能符合IEC标准和GB20840.2-2014《电流互感器》 | 1. Product function accord with IEC standards and GB20840.2-2014《Current transformer》. |
| 2. 额定绝缘水平: 12/42/75kv | 2. Rated Insulating Level: 12/42/75kv |
| 3. 负荷功率因数: $\cos\phi=0.8$ (滞后) | 3. Load Power Factor: $\cos\phi=0.8$ (lagging) |
| 4. 额定频率: 50Hz | 4. Rated Frequency: 50Hz |
| 5. 额定二次电流: 5A(2A、1A) | 5. Rated Secondary Current :5A(2A、1A) |
| 6. 可做成各种复变比结构 | 6. Can be made into different kinds of complex transformation ratio structures |
| 7. 其主要技术参数见表1 | 7. Its main technical parameters refer to Table1 |

LZZW-6,10 户外电流互感器

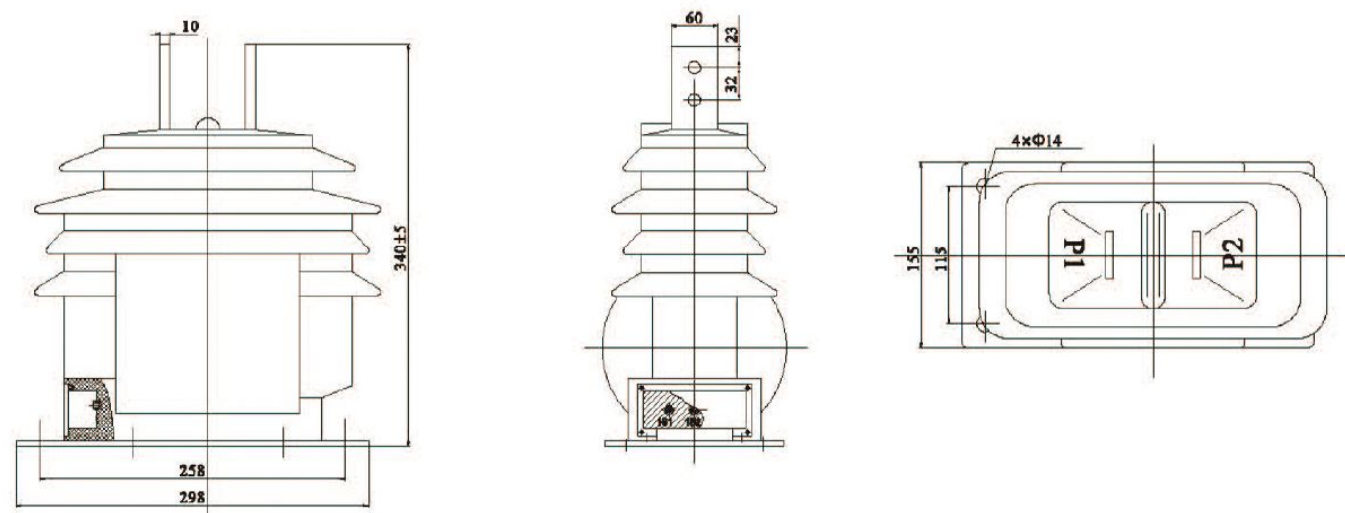
LZZW-6,10 Outdoor current transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

额定一次电流 Rated Primary Current (A)	准确级组合 Accurate Grade Combination	额定二次输出 Rated Secondary Output (VA)					额定短时热电流(KA有效值) Rated Short-time thermal-current (KA virtual value)	额定动稳定电流(KA有效值) Rated Dynamic stability Current (KA virtual value)
		0.2	0.2 S	0.5S	0.5	10P(15)		
20-40; 40	0.2S/0.2/10P 0.2/或10P 或 0.5/10P 0.5S/0.5/10P	10	10	15	15		6.3	15
30-60; 60							9	22.5
40-75; 75							15	37.5
50-100; 100							18	45
75-150; 150							25	55
100-200; 200							50	110
150-300; 300								
200-400; 400							60	130
300-600; 600								
400-800; 800								
500-1000; 1000								
1200-1500							80	100
2000								

外形及安装尺寸 Outline and installation dimension



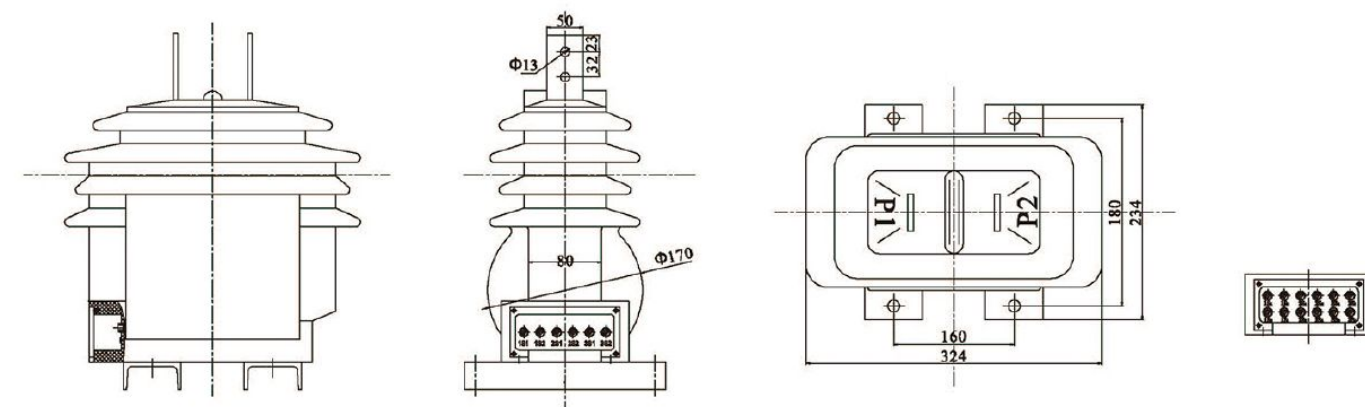
二绕组 Secondary winding

LZZW-6,10 户外电流互感器

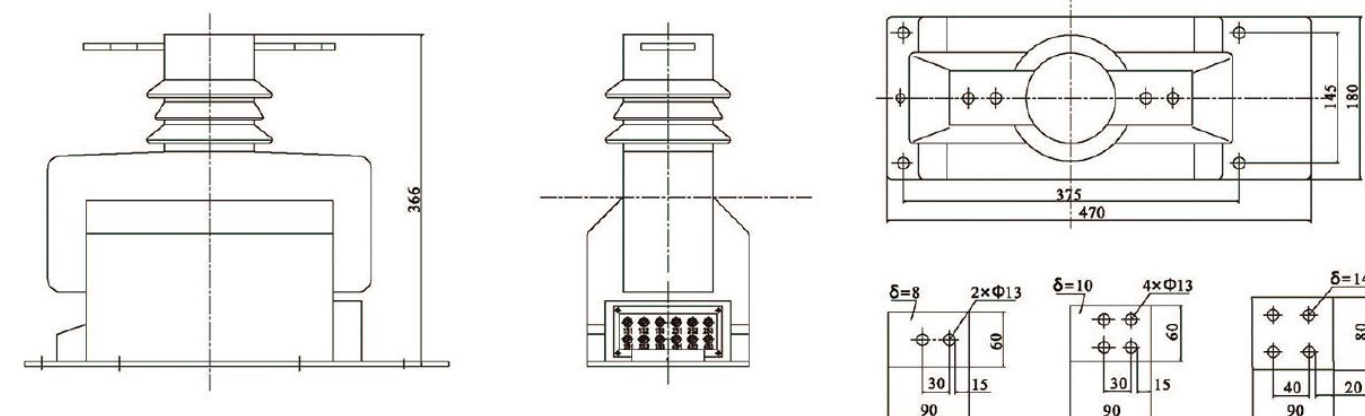
LZZW-6,10 Outdoor current transformer

Key of Power
Electric Professional
>

外形及安装尺寸 Outline and installation dimension



三绕组 Third winding



四绕组 Fourth winding

5-400/5 500-1200/5 1500-2000/5

LQZBJ-6,10GYW1 户外电流互感器

LQZBJ-6,10GYW1 Outdoor current transformer

Key of Power
Electric Professional
>

概述 Summary

LQZBJ-6、10GYW1是用进口户外浇注绝缘的全封闭户外支柱式，结构具有高动热稳定、高精度、防污、高原、阻燃型电流互感器，本产品铁心是由硅钢片半圆叠制而成，具有精度高，即0.2S级，动热稳定性好，一台产品可以做四个变比，如25、50、75、150/5供电力系统作电流、电能测量及继电保护之用。

LQZBJ-6,10GYW1 full-seal outdoor pole type adopts the imported outdoor casting insulation, has these features of high movable heat stability, high precision, dirt-proof, tableland suitable and flammable resistant, The iron core of this product is made by folding half-round silicon-steel sheets, which has high precision of grade 0.2S and good dynamic thermal stability. One product may have four transformation ratios, like 25, 50, 75, 150/5 used for current and power measuring and relay protection in electric system.

型号含义 Type designation



技术参数 Technical parameter

- 产品性能符合IEC标准和GB20840.2-2014《电流互感器》
1.Product function accord with IEC standards and GB20840.2-2014. current Transformer
- 额定绝缘水平: 12/42/75kV
2.Rated Insulating Level: 12/42/75kV
- 负荷功率因数: $\cos\phi=0.8$ (滞后)
3.Load Power Factor: $\cos\phi=0.8$ (lagging)
- 额定频率: 50Hz
4.50Hz Rated Frequency: 50Hz
- 额定二次电流: 5A(2A、1A)
5.5A(2A、1A) Rated Secondary Current
- 可做成各种复变比结构
6.Can be made into different kinds of complex transformation ratio structures

LQZBJ-6,10GYW1 户外电流互感器

LQZBJ-6,10GYW1 Outdoor current transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

额定一次电流(A) Rated primary current(A)	准确级组合 Accurate grade combination	额定二次输出(VA) Rated secondary output			额定短时热电流(KA有效值) Rated short-time thermal-current (KA virtual value)	额定动稳定电流(KA峰值) Rated dynamic stability current (KA peak value)
		0.2S 0.2	0.5S 0.5	10P(15)		
20	0.2S/10P 0.2/10P 0.5S/10P 0.5/10P	10	10	15	5	12
30、40					7.5	20
50、60					10	25
75					15	40
100、150、160					20	50
200					20	55
300、315、400、500					20	55
600、630、750、800					32	80
1000					40	100

外形及安装尺寸图 Outline and installation dimension

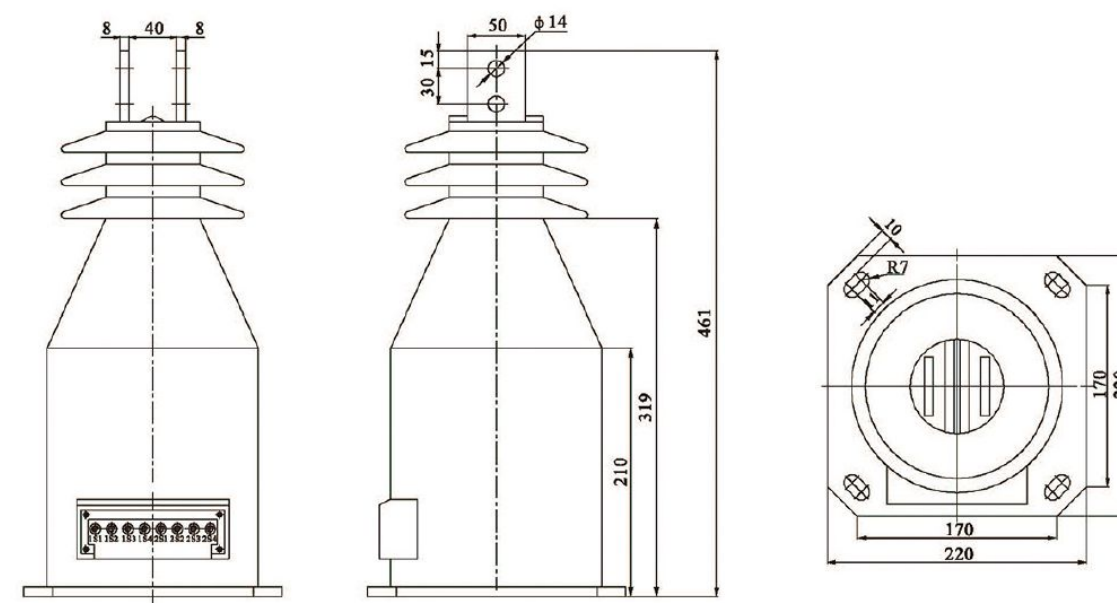


图1 LQZBJ-10GYW1 外形及安装尺寸图
Diagram1 Outline and installation dimension of LQZBJ-10GYW1

LZZBJ71-10 户外电流互感

LZZBJ71-10 Outdoor current transformer

Key of Power
Electric Professional
>

概述 Summary

LZZBJ71-10是用特殊的户外材料全封闭浇注绝缘的户外干式高动热稳定、高精度、防污、高原、阻燃型电流互感器，免除了漏油及油劣化的缺点，供电力系统作电流、电能测量及继电保护之用，产品特点：

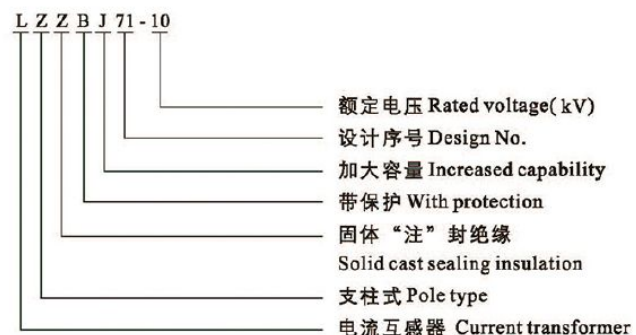
1. 实现无油化，保护了环境；
2. 免除了每年油浸产品的预防性试验，实现了免维护，节约了大量的人力物力；
3. 是无人值守变电所的优秀设备；
4. 其制造材料是耐燃自熄物质，具有防水，防爆性能。

LZZBJ71-10 is an outdoor dry casting insulation current transformer wholly enclosed with special outdoor materials of high dynamic heat stability, high precision, pollution proof, highland suitable and anti-flame, avoiding oil leak, oil deterioration and other disadvantages. It can be used for measurement of current and electric energy as well as relay protection in electric system.

Characteristics of product:

1. Realize oil free to protect the environment
2. Exempt annual preventative test of oil-immersed products so as to realize maintenance free and save abundant manpower and material resources.
3. Excellent equipment of transformer station with no one on watch
4. Its manufacturing material is are anti-flaming and self-extinguishing with waterproof and flameproof performance.

型号含义 Type designation



技术参数 Technical parameter

产品性能符合IEC标准和GB20840.2-2014《电流互感器》

The performance of products is conformed to IEC standard and GB20840.2-2014 Current Transformer.

额定绝缘水平 Rated insulation level: 12/42/75kV

额定频率 Rated frequency: 50Hz

额定二次电流 Rated secondary current: 5A

使用条件: 户外; 海拔3000m以内; 污秽等级IV级, 爬电距离380mm

Working conditions: Outdoors; altitude within 3000m; pollution grade

IV and creepage distance 380mm.

环境温度 Environmental temperature: -45℃~+65℃

LZZBJ71-10 户外电流互感

LZZBJ71-10 Outdoor current transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

额定一次电流(A) Rated primary current(A)	1S计量 LS measurement	2S继保 Relay protection	额定短时热电流 (kA有效值) Rated shorttime thermal current (kA virtualvalue)	额定动稳定电流 (kA峰值) Rated dynamic stability current (kA peak)
5-100	0.2级10VA 0.2S级15VA 0.5级15VA 0.5级20VA	25VA (30VA) 10P/10	200I _{1n}	500I _{1n}
150-300			150I _{1n}	375I _{1n}
400,500			45	90
600-800			63	100
1000-1500			80	160

注: 表中数据为单变化数据

Note: data showed in the meter is the single variable one

外形及安装尺寸 Outline and installation dimension

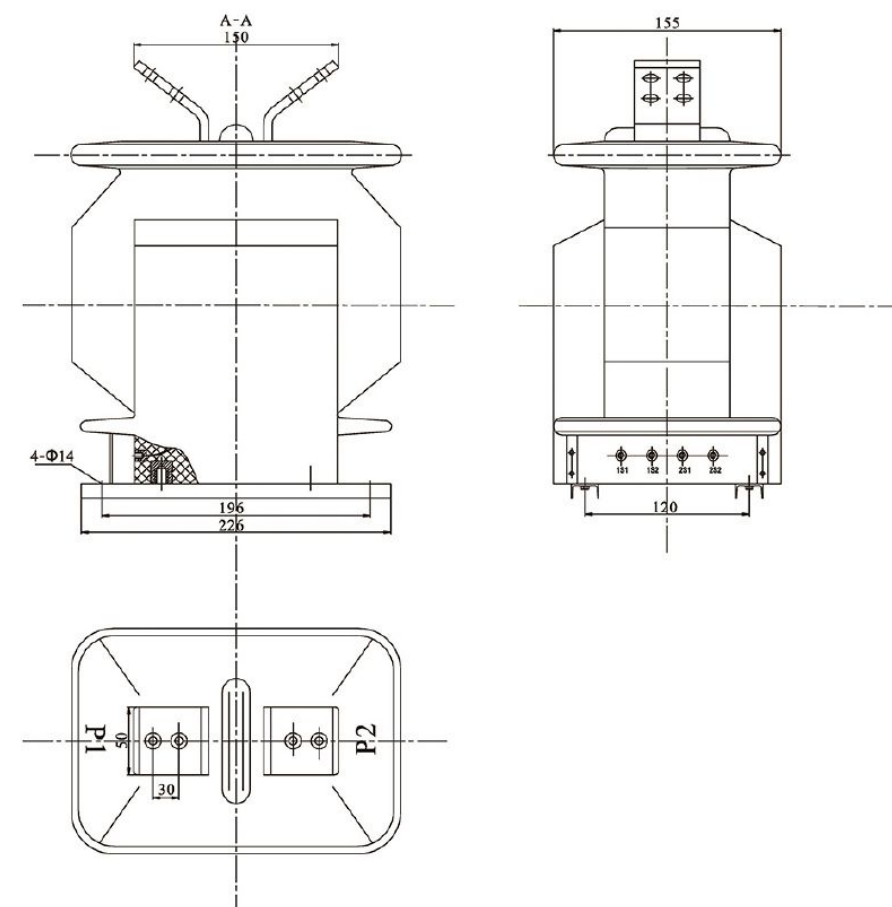


图1 LZZBJ71-10外形及安装尺寸图

Fig 1 Overall and installation dimension of LZZBJ71-10 current transformer

LZZBJW-35Q 户外电流互感器

LZZBJW-35Q Outdoor current transformer

Key of Power
Electric Professional
>

概述 Summary

本型电流互感器采用先进的户外环氧树脂浇注而成，本产品具有精度、动热稳定高，耐污秽和潮湿，表面爬距大于1200mm特别适用于户外及海拔地区使用。

本产品可根据用户要求做成多变比及多绕组等。适用于户外35kV的交流线路中作电流、电能测量及继电保护之用。

This current transformer is poured with advanced outdoor epoxy. It enjoys performances such as high dynamic heat stability, dirt-proof, moisture resistant and surface creepage distance more than 1200mm. It is especially applicable for use outdoors and in altitude areas.

The product can be customized with multi-transformation ratio and multi-winding. The product is used for measurement of current and electric energy as well as relay protection in the outdoor AC circuit of 35 k V.

型号含义 Type designation



技术参数 Technical parameter

额定绝缘水平: 40.5/85/185kV

Rated insulation level: 40.5/85/185kV

负荷功率因数: $\cos \phi = 0.8$ (滞后Lag)Load power factor: $\cos \phi = 0.8$ (lagging)

额定二次电流: 5A或1A

Rated secondary current: 5A or 1A

环境温度: -45℃~+45℃

Environmental temperature: -45℃~+45℃

海拔高度不超过: 3000m

The altitude doesn't exceed 3000m.

污秽等级: III级

Antipollution grade: III

LZZBJW-35Q 户外电流互感器

LZZBJW-35Q Outdoor current transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

额定一次电流(A) Rated primary current(A)	准确级次组合 Accuracy class combination	额定二次输出(VA) Rated secondary output(VA)				额定短时热电流 (KA有效值) Rated short time thermal current(kA effectine)	额定短时热电流 (KA有效值) Rated short time thermal current(kA effectine)
		0.2S	0.2	0.5	10P		
30-100	0.2S/10P 0.2/10P 0.5/10P	10	10	10	15	150	375I _{ln}
150						31.5/1	80
200						31.5/2	80
300-500						31.5/3	80
600-800			15	15		31.5/4	80
1000-2000		40/4				100	

外形及安装尺寸 Outline and installation dimension

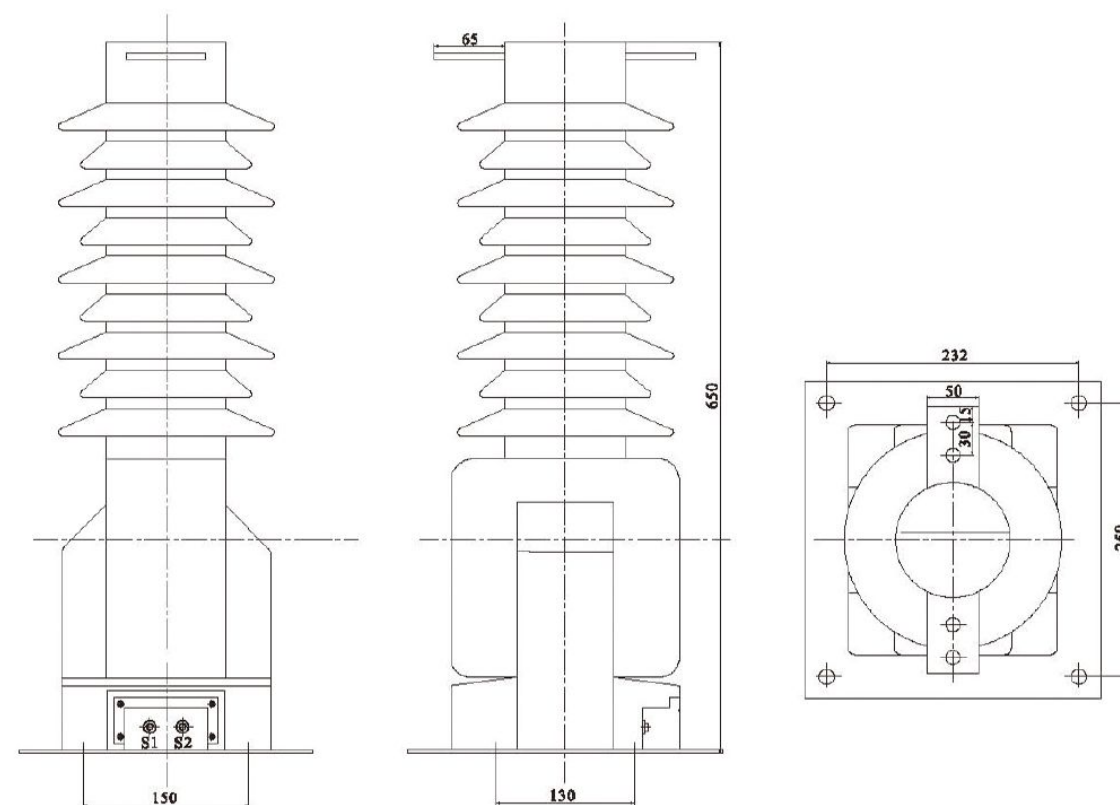


图1 Fig.1

LZZBJW-35Q 户外电流互感器

LZZBJW-35Q Outdoor current transformer

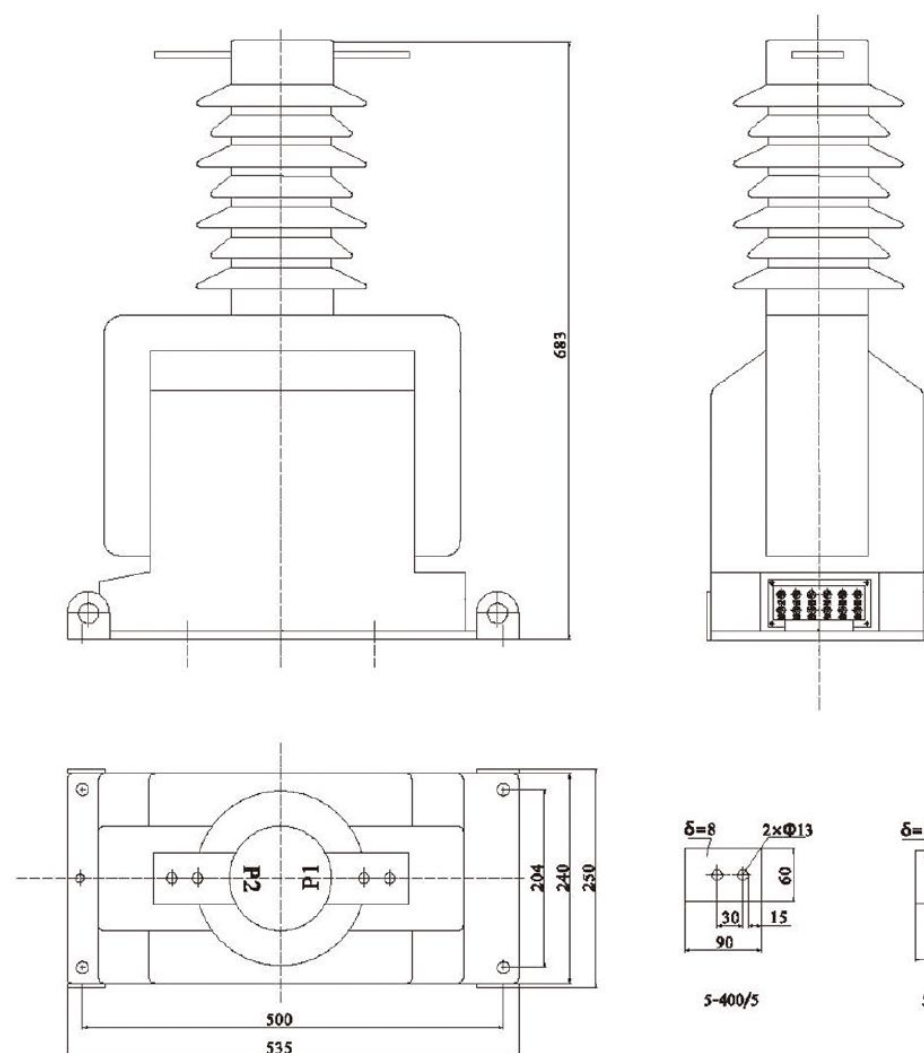
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>

图2 Fig.2

LDZB8-35 户外电流互感器

LDZB8-35 Outdoor current transformer

Key of Power
Electric Professional
>

概述 Summary

LDZB8-35是用特殊户外材料全封闭浇注绝缘的户外贯穿式防污、高原、阻燃型电流互感器、供电系统作电流、电能测量及继电保护之用。

LDZB8-35 transformer is made of outdoor material special transfixion style, dirt-proof, suitable and flammable-resistant with the structure of full-seal infusing insulation, it is applied as the test of current & power and the protection of relay in the power system.

型号含义 Type designation

LDZB8-35



技术参数 Technical parameter

- 1.产品性能符合IEC标准和GB20840.2-2014《电流互感器》
- 2.额定绝缘水平: 40.5/85/185 kV
- 3.负荷功率因数: $\cos \phi = 0.8$ (滞后)
- 4.额定频率: 50Hz
- 5.额定二次电流: 5A(2A, 1A)
- 6.准确级次组合: 0.5/10P/10P

1. The performances meet the standard of IEC and GB20840.2-2014 current transformer
2. Rated insulation level: 40.5/85/185 kV
3. Power factor of load: $\cos \phi = 0.8$ (lagging)
4. Rated frequency: 50Hz
5. Rated secondary current: 5A(2A, 1A)
6. Accuracy grade combination: 0.5/10P/10P

LDZB8-35 户外电流互感器

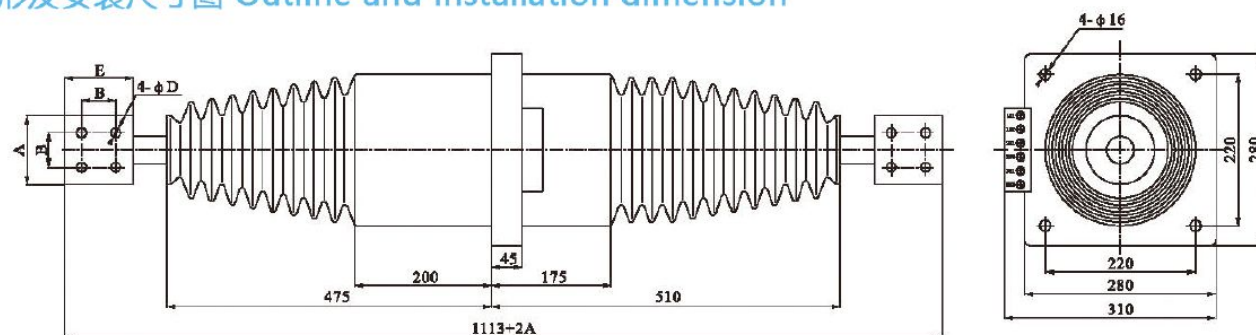
LDZB8-35 Outdoor current transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

额定一次电流(A) Rated primary current	准确级次及相应的额定输出(VA) Precise grade and relevant rated output		额定短时热电流 (KA有效值) Rated short-time thermal current (ka virtual value)	额定动稳定电流 (KA峰值) Rated dynamic stability current (kA peak value)
	0.5	10P20		
400	25	20	45	112.5
600、630	40	30		
800		40		
1000				
1200、1250				
1500、1600				
2000				

外形及安装尺寸图 Outline and installation dimension

外形及安装尺寸图
Outline and installation dimension of LDZB8-35

电流比(A) Current ratio	外形及安装尺寸(mm) Outline and installation dimension			
	D	A	B	E
5-400/5、600/5、800/5、1000/5	14	80	40	85
1200/5、1250/5、1500/5、1600/5、2000/5	18	100	50	105

Key of Power
Electric Professional
>High voltage dry
type voltage transformer高压干式
电压互感器执行标准
Carry out in accordance with standardsGB20840.3-2013 《电压互感器》
GB20840.3-2013 Voltage transformer
IEC186 《电压互感器》
IEC186 Voltage transformer

JDZ(J)-3,6,10(Q) 电压互感器

JDZ(J)-3,6,10(Q) Voltage transformer

Key of Power
Electric Professional
>

概述 Summary

JDZ-3、6、10(Q)型单相双线圈，环氧树脂浇注绝缘，户内装置用电压互感器供额定频率50Hz的交流线路中作电压、电能测量和供继电保护及其他控制设备电源之用。(接线图如图1)

JDZ(J)-3、6、10(Q)型单相双线圈，环氧树脂浇注绝缘，户内装置用电压互感器供额定频率50Hz的中性点不直接接地系统中作电压、电能测量和供继电保护及其他控制设备电源之用。(接线图如图2)

JDZ3-3,6,10(Q) type single-phase double coil voltage transformer of epoxy casting insulation for indoor device use, is used for measurement of voltage and electric energy, relay protection in the AC circuit of rated frequency 50Hz as well as other control device power. (refer to figure 1 wiring diagram)

JDZ(J)-3,6,10(Q) type single-phase double coil voltage transformer of epoxy casting insulation for indoor device use, is used for measurement of voltage and electric energy, relay protection in neutral non-direct earthing system of rated frequency 50Hz as well as for other control device power (refer to figure 2 wiring diagram)

型号含义 Type designation



技术参数 Technical parameter

型号 type	短路电流(A) Short circuit current	
	IS1	IS2
JDZ-3	3.125	93.75
JDZ-6	1.52	91.49
JDZ-6(0.2级)class	1.81	108.54

JDZ(J)-3,6,10(Q) 电压互感器

JDZ(J)-3,6,10(Q) Voltage reansformer

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Electric Professional
>

型号 type	短路电流(A) Short circuit current	
	IS1	IS2
JDZ-10	1.30	130
JDZ-10(0.2级)CLass	1.32	132
JDZJ-3	2.15	64.78

型号 type	短路电流(A) Short circuit current	
	IS1	IS2
JDZJ-6	1.32	79.3
JDZJ-10	0.97	97
JDZJ-10(0.2级)class	0.97	97

型号 type	额定电压比 Rated voltage ratio(V)	额定二次输出(VA) Rated secondary output(VA)							极限输出 ultimatcoutput (VA)	额定绝缘水平 Rated Insulation level (kA)	表面爬电距离 Exterior creepage distance(mm)
		0.2级 class	0.5级 class	1级 class	3级 class	0.2/0.2	0.5/0.5	6p			
JDZ-3(Q)	1000/100 2000/100 3000/100		30	50	80	20/20	30/30		200	3.6/23/40	205
JDZ-6(Q)	6000/100	20	50	80	200	20/20	30/30		400	7.2/32/60	
JDZ-10(Q)	10000/100	30	80	150	300	25/25	50/50		500	12/42/75	250
JDZJ-3(Q)	$\frac{3000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{\sqrt{3}}$		30	50	80			50	200	3.6/23/40	205
JDZJ-6(Q)	$\frac{6000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{\sqrt{3}}$	20	50	80	200			50	400	7.2/32/60	
JDZJ-10(Q)	$\frac{10000}{\sqrt{3}} / \frac{100}{\sqrt{3}} / \frac{100}{\sqrt{3}}$	20	50	80	200				400	12/42/75	250

JDZ(J)-3,6,10(Q) 电压互感器

JDZ(J)-3,6,10(Q) Voltage transformer

Key of Power
Electric Professional
>

外形及安装尺寸图 Outline and instalation dimension

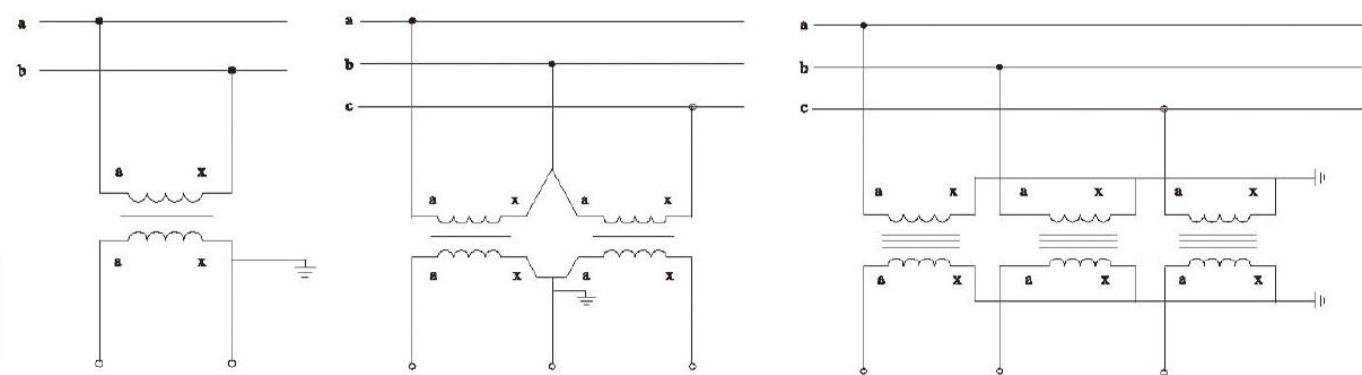
JDZ 单相
JDZ Single-phase二台JDZ接成V型
Two JDZ transformers connected into V shape三台JDZ接成Y型
Three JDZ transformers connected into Y shape

图1、JDZ-3、6、10(Q)接线图 Diagram 1 JDZ-3,6,10(q) wiring diagram

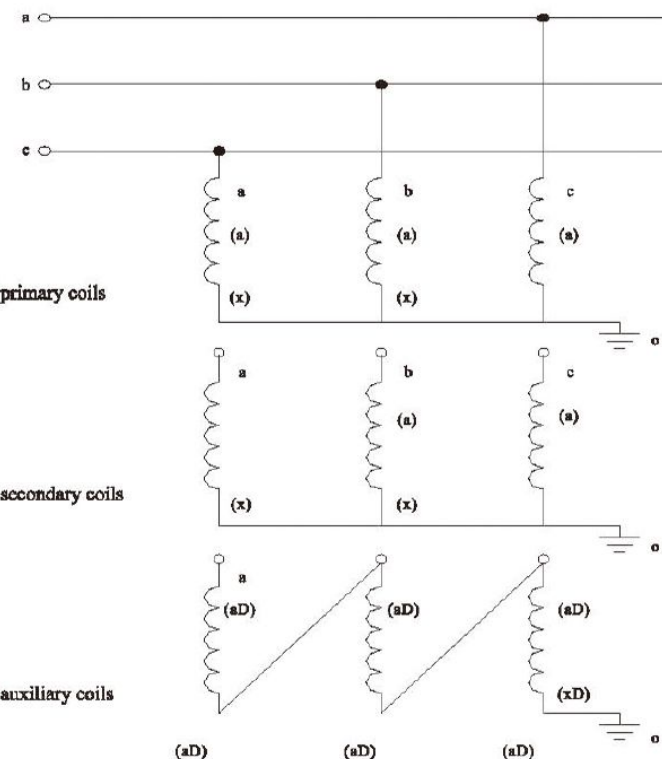
一次线圈连接图
Connection diagram of primary coils二次线圈连接图
Connection diagram of secondary coils辅助线圈连接图
Connection diagram of auxiliary coils

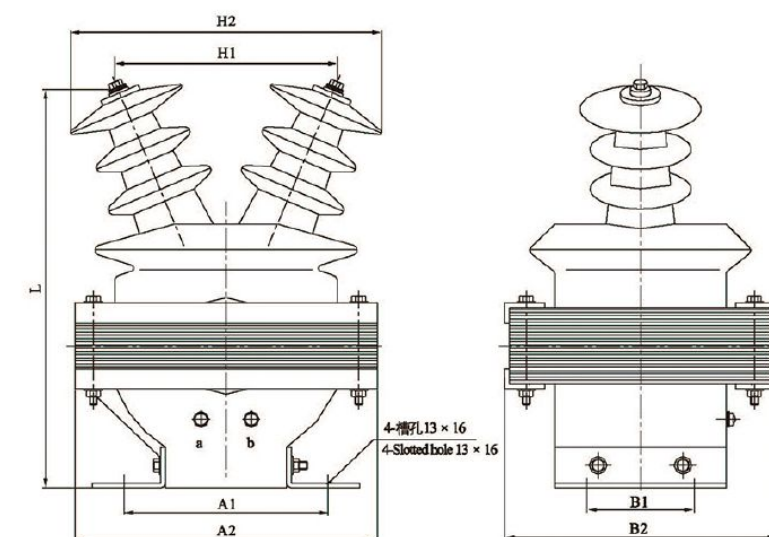
图2、JDZJ-3、6、10(Q)接线图 Diagram 1 JDZJ-3,6,10(q) wiring diagram

JDZ(J)-3,6,10(Q) 电压互感器

JDZ(J)-3,6,10(Q) Voltage transformer

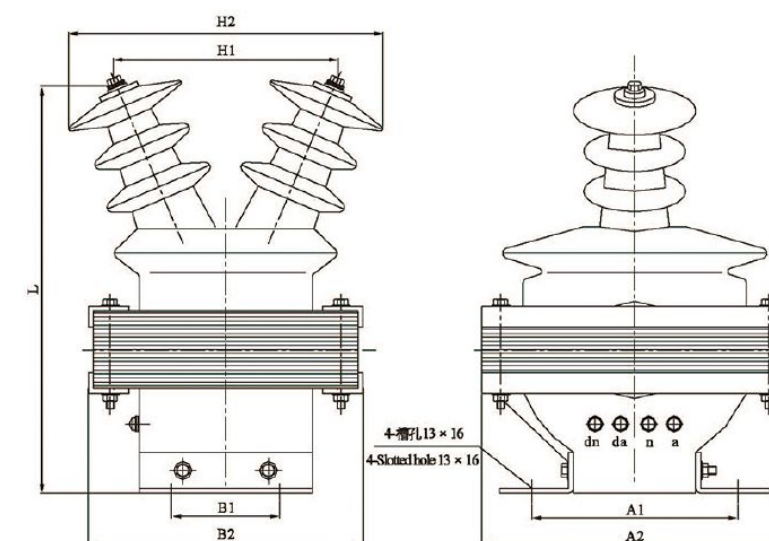
Key of Power
Electric Professional
>

外形及安装尺寸图 Outline and instalation dimension



JDZ-3、6、10(Q)

型号type	H1	H2	L	A1	A2	B1	B2
JDZ-10(Q)	180	250	305	170	236	90	207
JDZ-3、6(Q)	160	215	275	170	220		190



JDZJ-3、6、10(Q)

型号Type	H1	H2	L	B1	B2	A1	A2
JDZJ-10(Q)	180	250	305	90	207	170	238
JDZJ-3、6(Q)	160	215	275		190	170	220

JDZ8-3,6,10 电压互感器

JDZ8-3,6,10 Voltage transformer

Key of Power
Electric Professional
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技术参数 Technical parameter

产品符合标准GB20840.3-2013 和IEC18

The voltage transformer is in accordance with GB20840.3-2013 and IEC186 standards...

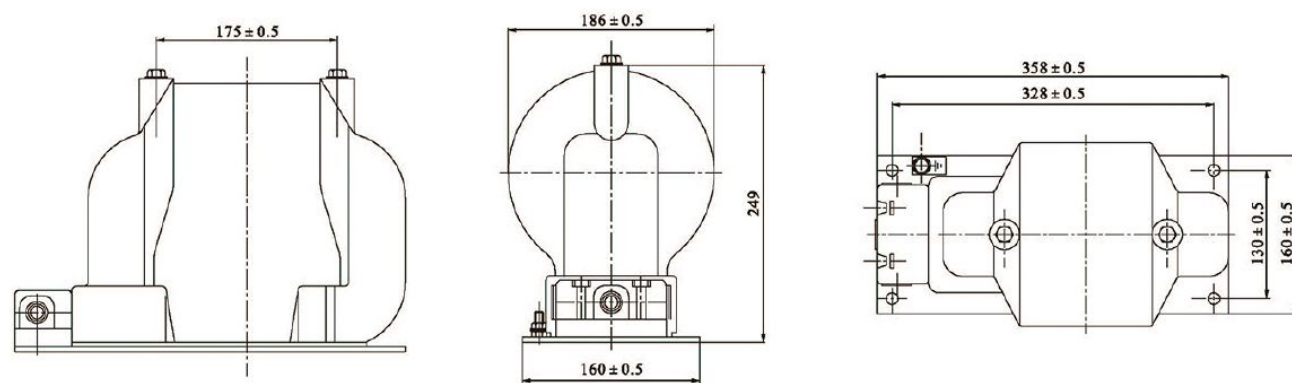
型号 Type	额定频率 Rated frequency (Hz)	电压比 Voltage Ratio (V)	准确级 Accuracy class	额定输出 Rated output (VA)	极限输出 ultimate output (VA)	额定绝缘水平 Rated insulation level (kA)
JDZ8-3	50	3000/100	0.2 0.5	40 80	600~1000	3.6/24/40
JDZ8-6	50	6000/100	0.2 0.5	40 80	600~1000	7.2/32/60
JDZ8-10	50	10000/100	0.2 0.5	40 80	600~1000	12/42/75

注：如用户要求的参数超出上表范围，可与我厂协商后确定。额定输出及其相应的准确级符合其中一项。

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

Rated out put and its relative accuracy class are alternative.

外形及安装尺寸图 Outline and installation dimension



JDZX8-3-6-10 电压互感器

JDZX8-3-6-10 Voltage transformer

Key of Power
Electric Professional
>



技术参数 Technical parameter

产品符合标准GB20840.3-2013 和IEC18

The voltage transformer is in accordance with GB20840.3-2013 and IEC186 standards...

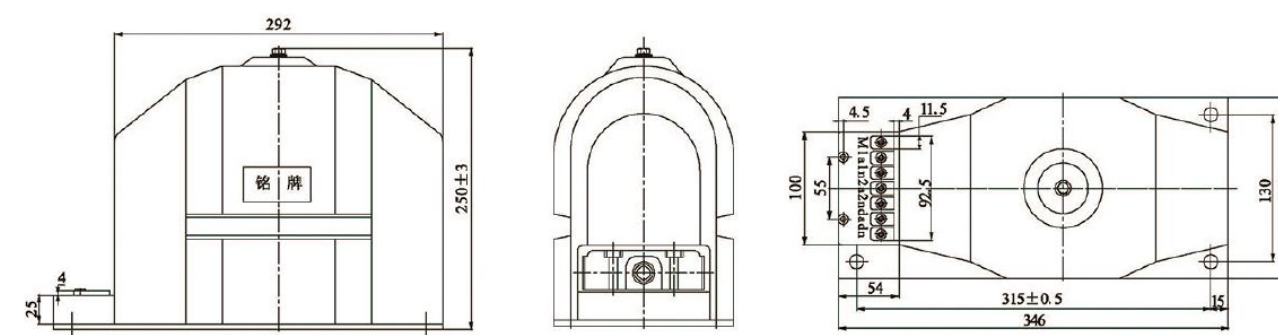
型号 Type	额定频率 Rated frequency (Hz)	电压比 Voltage Ratio (V)	准确级 Accuracy class	额定输出 rated output (VA)	极限输出 Ultimate output (VA)	额定绝缘水平 Rated insulation level (kA)
JDZX8-3	50	3000/√3/100/√3/100/3	0.2/6P 0.5/6P	30/100 50/100	500	3.6/24/40
JDZX8-6	50	6000/√3/100/√3/100/3	0.2/6P 0.5/6P	30/100 50/100	500	7.2/32/60
JDZX8-10	50	10000/√3/100/√3/100/3	0.2/6P 0.5/6P	30/100 50/100	500	12/42/75

注：如用户要求的参数超出上表范围，可与我厂协商后确定。额定输出及其相应的准确级符合其中一项。

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

Rated put and its relative accuracy class are alternative.

外形及安装尺寸图 Outline and installation dimension



JDZ(X)(F)18/10-3,6,10(同于REL/RZL10电压互感器
JDZ(X)(F)18/10-3,6,10(equal to REL/QZL10 voltage transformer

Key of Power
Electric Professional
>



概述 Summary

本系列电压互感器为环氧树脂浇注绝缘全封闭产品，适用于额定频率50Hz或60Hz，额定电压3KV、6KV、10KV及以下的电力系统中，作电能计量、电压监测和继电保护用。本产品符合IEC60044及GB20840.3-2013《电压互感器》标准。
The voltage transform is the type of cast resin insulation and full enclosed, used for electric energy metering, voltage control and relay protection in the power systems of rated voltage 3KV, 6KV, and 10KV or below. The products are in accordance with IEC60044 and GB20840.3-2013 Voltage Transformer.

型号含义 Type designation



技术参数 Technical parameter

- 1、技术参数表。
2、局部放电水平符合GB20840.3-2013《电压互感器》标准。
3、污秽等级：见图。
- 1、Technical data form.
2、Partial dischanage is in line with GB20840.3-2013 voltage transformer.
3、Anti-pollution class: see fig.

JDZ(X)(F)18/10-3,6,10(同于REL/RZL10电压互感器
JDZ(X)(F)18/10-3,6,10(equal to REL/QZL10 voltage transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

型号 Model	额定电压比(V) Rated voltage ratio	额定输出(VA) Rated output				极限输出(VA) Ultimate output	额定绝缘水平(KV) Rated insulation level
		0.2	0.5	1	6P		
JDZ18-3 RZL10	3000/100	15	30	60		500	3.6/25/40
JDZ18-6 RZL10	6000/100						7.2/32/60
JDZ18-10 RZL10	10000/100						12/42/75
JDZF18-3	3000/100/100	10	10	30		2 × 250	3.6/25/40
JDZF18-6	6000/100/100						7.2/32/60
JDZF18-10	10000/100/100						12/42/75
JDZX18-3 REL10	3000/√3/100/ √3/100/3	15	30		100	200	3.6/25/40
JDZX18-6 REL10	6000/√3/100/ √3/100/3						7.2/32/60
JDZX18-10 REL10	10000/√3/100/ √3/100/3						12/42/75
JDZXF18-3	3000/√3/100/√3/100/ √3/100/3	10	10		60	200	3.6/25/40
JDZXF18-6	6000/√3/100/√3/100/ √3/100/3						7.2/32/60
JDZXF18-10	10000/√3/100/ √3/100/√3/100/3						12/42/75

JDZ(X)(F)18/10-3,6,10(同于REL/RZL10电压互感器)

JDZ(X)(F)18/10-3,6,10(equal to REL/RZL10 voltage transformer)

Key of Power
Electric Professional
>

外形及安装尺寸图 Outline and installation dimension

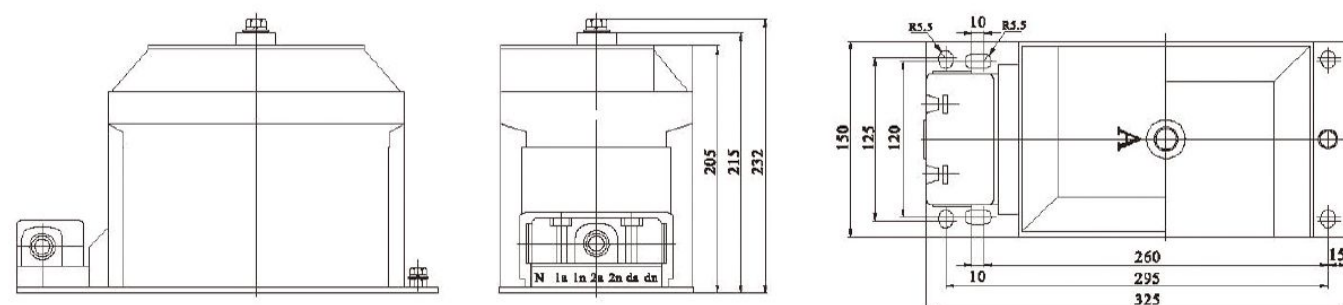


图2 JDZ10-6、10(RZL)外形及安装尺寸图 Chart 2 Outline and installation size of JDZ10-6,10(RZL)

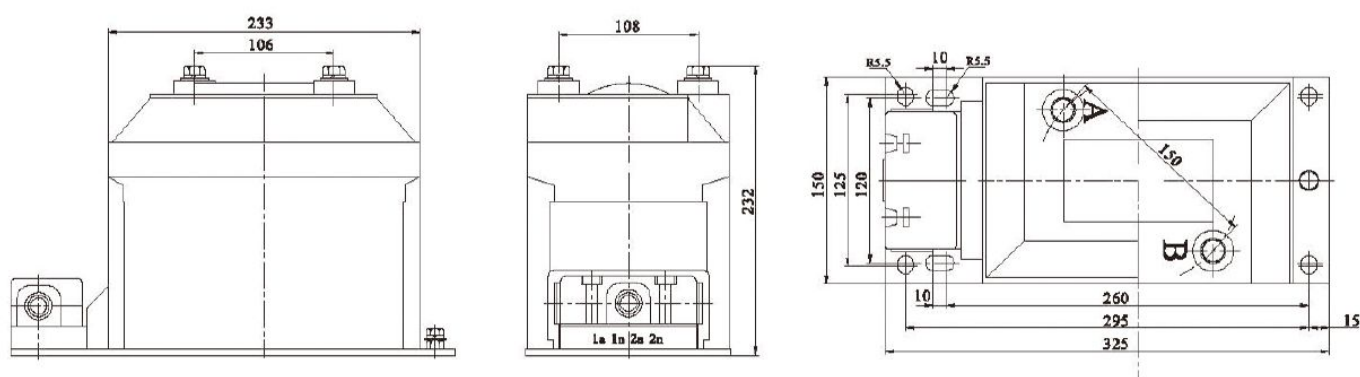


图3 JDZX10-6、10(REL10)外形及安装尺寸图 Chart 3 Outline and installation size of JDZX10-6,10(REL10)

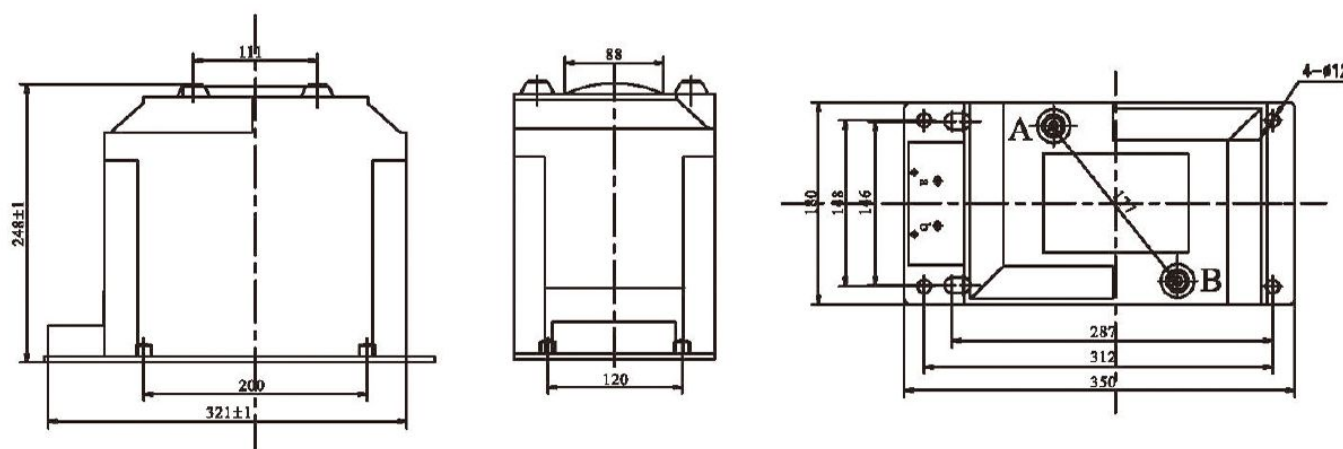


图1 JDZ(F)18-3、6、10B外形及安装尺寸图 Chart 1 Outline and installation size of JDZ(F)18-6,10B

JDZC-6,10 电压互感器

JDZC-6,10 Voltage transformer

Key of Power
Electric Professional
>

型号含义 Type designation



J	D	Z	C	-	6, 10
					电压等级 Rated voltage (kV)
					供操作电源使用 For operating power supply
					浇注绝缘 Sealed type
					单相 Single-phase
					电压互感器 Voltage transformer

概述 Summary

JDZC-6、10型电压互感器为环氧树脂浇注绝缘，本产品系户内装置，适用于额定频率为50Hz，额定电压为6kV、10kV的电力系统中作电气测量和电气保护用。

JDZC-6, 10 type voltage transformer is the indoor device of epoxy resin cast insulation, applied to electric measurement and electric protection in the electric system of rated frequency 50Hz and rated voltage 6kV,10kV.

结构 Structure

本互感器为全绝缘型，一次绕组的两个端子按全绝缘水平考核，且布置在浇注体顶部的两侧，互感器主要部分有铁心、二次绕组和一次绕组，且全部包封在环氧树脂浇注体内，其电气性能稳定、防潮性好。

This transformer is the type of full insulation, its primary winding two terminals that are checked according to full insulation level, distributed on both sides of casting body top. It is mainly made up of three parts: iron core, secondary winding and primary winding which are all encapsulated in the epoxy resin casting body, featured with stable electric performance and perfect damp proof property.

使用条件 Operating conditions

- 设备种类 Equipment category: 户内 Indoor
- 环境温度 Environmental temperature:
最高温度 Max temperature +40℃,
最低温度 Min temperature -5℃
- 大气条件 Air condition:
大气中无严重影响互感器绝缘性能的污秽及侵蚀性和爆炸性介质。
There shall not be stains and corrosive or explosive mediums that seriously affect the insulation of transformer in the air.

技术参数 Technical parameter

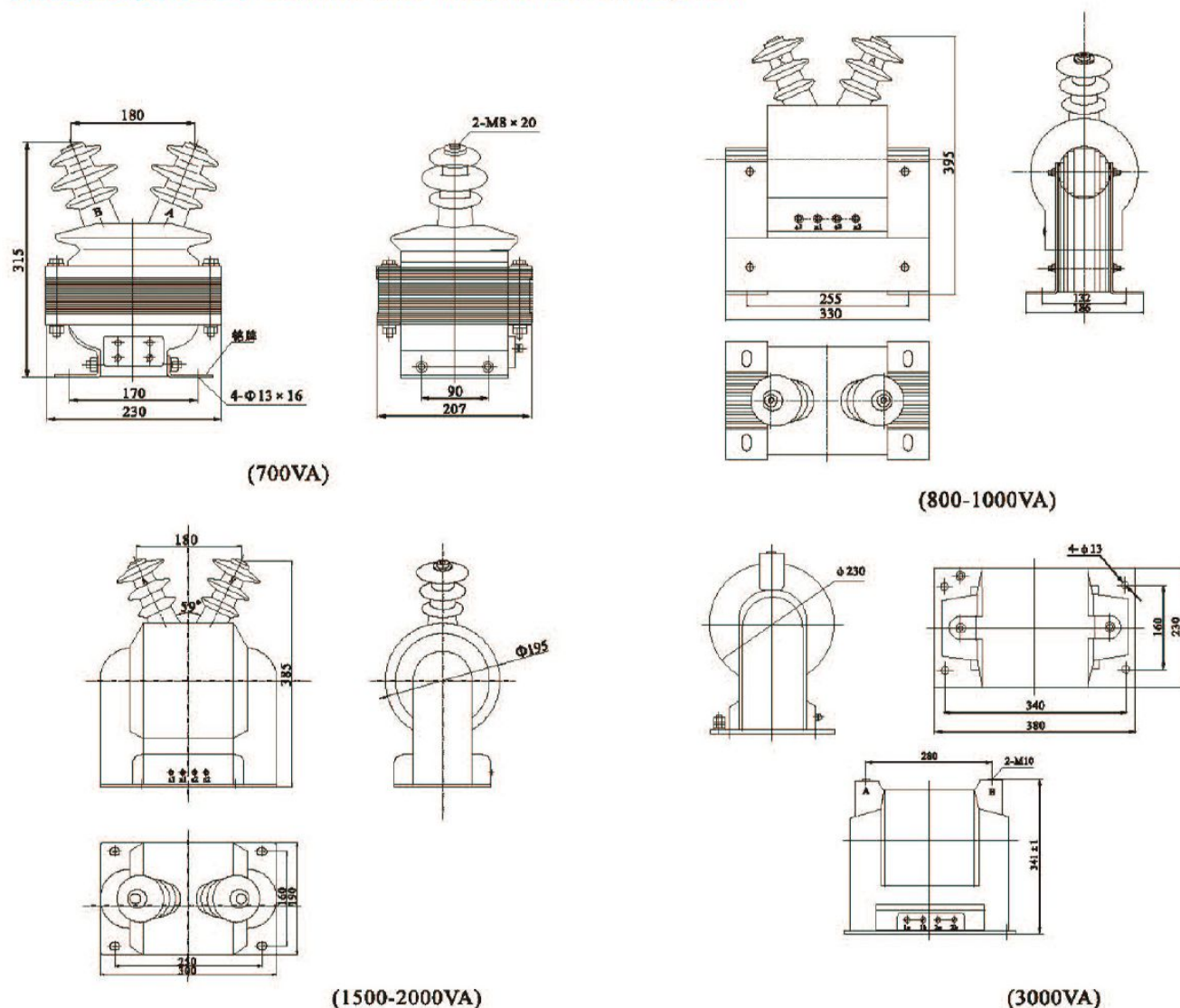
型号 Type	额定电压比 Rated voltage ratio(V)	额定二次输出 Rated secondary output(VA)		准确级组合 Accuracy classes combination	额定绝缘水平 Rated insulation level(kV)
		1a1b(100V)	2a2b(220V)		
JDZC-10	10000/100/220 60000/100/220	30	700	0.5/3	7.2/32/60 12/42/75
		50	800,1000		
		80	2000,3000		

JDZC-6,10 电压互感器

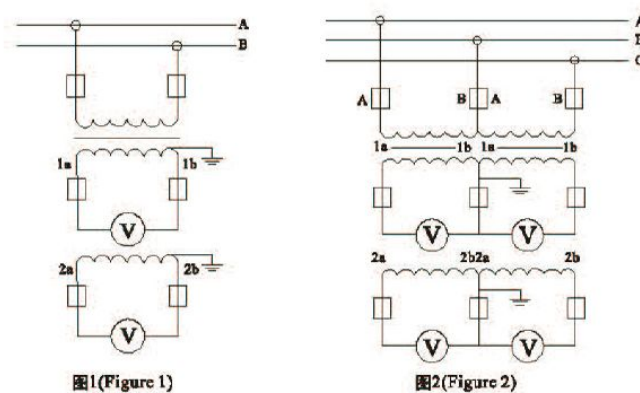
JDZC-6,10 Voltage transformer

Key of Power
Electric Professional
>

外形及安装尺寸图 Outline and installaion dimension



接线图 Wiring diagram



JDZ(X)R8-10 电压互感器

JDZ(X)R8-10 Voltage transformer

Key of Power
Electric Professional
>

概述 Summary

本系列电压互感器为环氧树脂浇注绝缘全封产品，适用于额定频率50Hz或60Hz、额定电压10kV及以下的中性点非有效接地电力系统中，作电能计量、电压监测和继电保护用。本产品符合IEC60044及GB20840.3-2013《电压互感器》标准。

This series of voltage transformer are single phase and full enclosed of casting resin. They are used for measuring electric energy, voltage control and relay protection in the electric non-useful-ground ecuted according to the standards IEC60044and GB20840.3-2013.

型号含义 Type designation



结构简介 Structural introduction

本系列互感器体积小、重量轻、局部放电小，抗过电压能力强，最大特点是一次带有熔断器保护。熔断器装在互感器内部，直接避免因用户配置熔断器浪费开关柜的有效空间，其熔断器熔断电流与互感器短路承受能力相匹配，且能有效地保护互感器因电网出现故障时不被烧毁。

The types of voltage transformers have much merit,such as:electric arc resistance, ultraviolet ray and aging resistance,long creepage distance, little partial discharge and large caliber of resistance to over-voltage. The primaries of the products are protected with fused. The fused is installed inside the trans-former. The primaries of the protected with fused.The fused short-circuit force. When the electrified wine netting breakdown, the fused can protect the transformer not beaker.

技术参数 Technical parameter

1、技术参数见表(Technical data see form)

2、配用熔断器 JDZR8-10A、B、C为XRNP□-12型，0.2A,50kA;JDZXR8-10A、B、C为XRNP□-12型，0.5A，50kA。(特殊要求请订货时提示)
(The fusible cutouts type:JDZR8-10A、B、CXRNP□-12,0.2A,50kA.JDZXR8-10A、B、C: XRNP□-12型，0.5A，50kA(If special need,please notice when order.)

3、若用户要求配合微机使用时，0.2、0.5级二次负荷下延至1VA。(If being requested to connect the computer,the secondary load of class 0.2 or 0.5class can up to 1VA.)

JDZ(X)R8-10 电压互感器

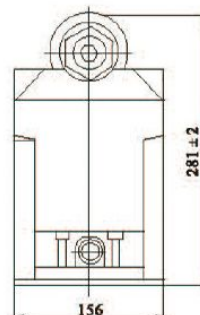
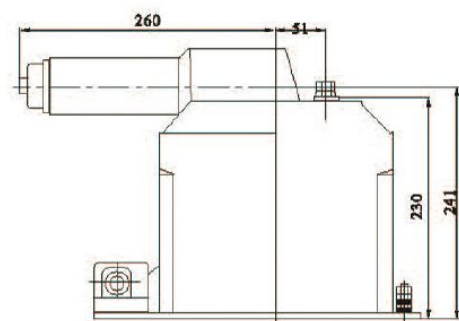
JDZ(X)R8-10 Voltage transformer

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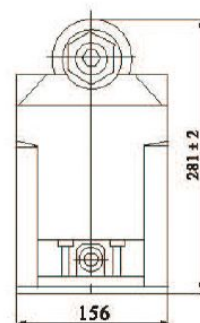
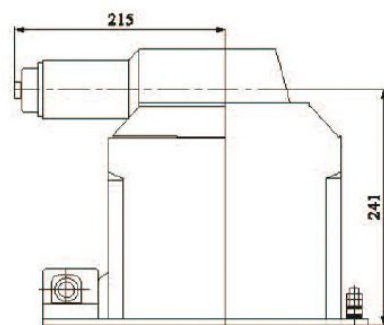
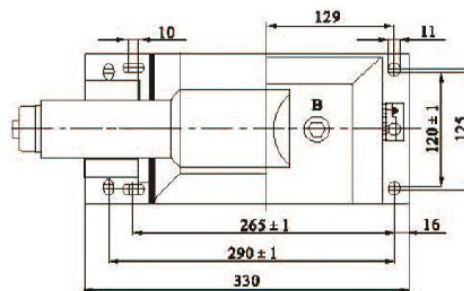
A 技术参数 Technical parameter

型号 Type	额定电压比 Rated voltage ratio (V)	额定输出 Rated output (VA)				极限输出 Limit output(VA)	额定绝缘水平 Rated insulated level (kV)
		0.2	0.5	1	6P		
JDZR8-3	3000/100	15	30	60	50	300	3.6/25/40
JDZR8-6	6000/100						7.2/32/60
JDZR8-10	10000/100						12/42/75
JDZXR8-3	3000/√3/100/ √3/100/3	15	30	60	50	300	3.6/25/40
JDZXR8-6	6000/√3/100/ √3/100/3						7.2/32/60
JDZXR8-10	1000/√3/100/ √3/100/3						12/42/75

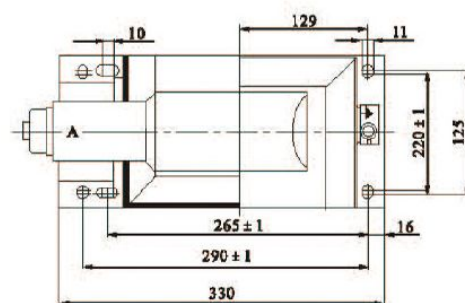
外形及安装尺寸图 Outline and installation dimension



JDZR8-10

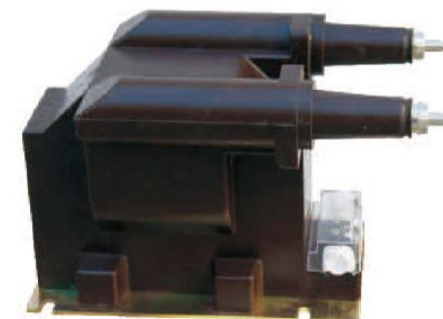


JDZXR8-10



JDZ18-10R 电压互感器

JDZ18-10R Voltage transformer

Key of Power
Electric Professional
>

概述 Summary

本型号电压互感器为环氧树脂浇注绝缘全绝缘户内产品，适用于额定频率50Hz或60Hz额定电压3、6、10kV及以下的中性点非有效接地电力系统线路中作电压、电能、功率测量。

This type Voltage Transformer is single phase and full enclosed of casting resin epoxy, it is used indoor installation and used for measuring energy, voltage and relay protection in neutral point Non effective grounding electric system, it is used for rated voltage 3kV, 6kV, 10kV or below voltage. Rated Frequency: 50Hz or 60Hz.

型号含义 Type designation



结构简介 Structre

产品为全浇注结构，二次绕组包绕在由优质硅钢片卷绕而成的矩形铁芯上，铁芯经铜线引出单点接地，分段绕制的一次绕组与铁芯同轴绕在酚醛树脂筒上。一次绕组均匀分两段绕制，段与段之间留有一定的距离做为段间绝缘。主绝缘和层间绝缘皆采用新型的绝缘材料。一次绕组的每段外层都包静电屏蔽补偿对地电容。干燥过的线圈及铁芯经真空浇注后全部浇注于浇注体中，互感器具有良好的绝缘性能。一次出线处接有熔断器，二次出线端子有接线盒保护，底部设有安装底板，供安装固定用，接地螺杆位于安装底板上。

Products for the whole casting structure, the secondary windings packaged around the high quality silicon steel sheet winding into a rectangular close, The core wire leads to single point grounding, firing a segmented winding and core coaxial cylinders around the phenolic acid. The primary winding is uniformly divided into two sections and firing, segment is left between a certain distance for inter segment insulation, main insulation layer and insulation adopts the new insulation material, each layer of a winding package electrostatic shield compensation capacitance to ground. The dry coil and the iron core are all cast and cast after vacuum casting, and the mutual inductor has good insulation performance. The primary outlet is provided with a fuse, the secondary outlet terminal is provided with a junction box protection, and the bottom part is provided with a bottom plate for fixing and fixing.

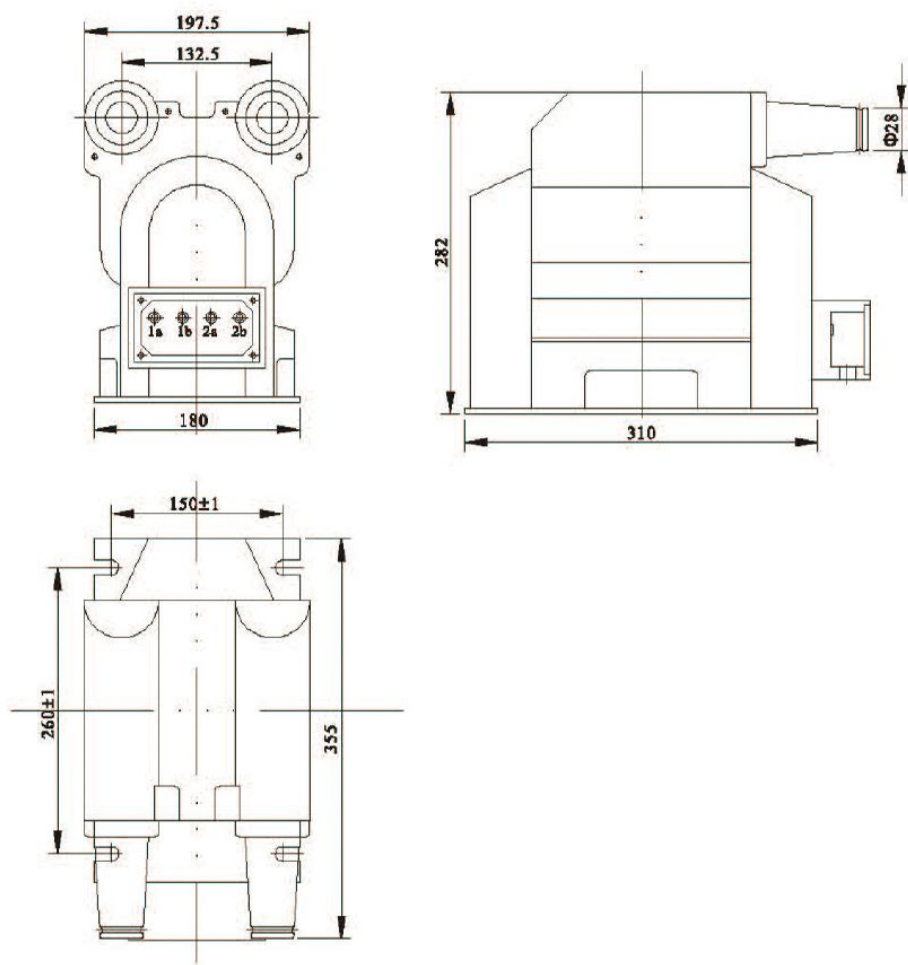
JDZ18-10R 电压互感器
JDZ18-10R Voltage transformerKey of Power
Electric Professional
>

技术参数 Technical parameter

JDZ18-10R型电压互感器技术数据
JDZ18-10R Type voltage transformer technical data

型号 Table	额定电压比(V) Rated voltage ratio	二次绕组额定容量(VA) Rated burden(VA) (COS ϕ =0.8)			二次绕组极限容量(VA) Limit Output(VA)
		0.5(S)	5P	10P	
JDZ18-10R	10/0.1/0.1	20	50	80	400

外形及安装尺寸图 Outline and installation dimension

JDZ18-10R 电压互感器
JDZ18-10R Voltage transformerKey of Power
Electric Professional
>

正常工作条件 Normal operating conditions

- 1、安装场所为户内，运行时二次不得短路；
- 2、环境温度：-5℃~+40℃，日平均气温不超过35℃；
- 3、海拔高度不超过1000m；
- 4、平均相对湿度不超过80%；
- 5、无严重影响互感器绝缘的气体，尘埃及其它爆炸性或侵蚀性介质；
- 6、安装场所无剧烈震动和颠簸。

- 1、Indoor Installation , during working . secondary circuit can not open;
- 2、Environmental temperature: -5℃~+40℃, The daily average temperature is not more than 35 degrees;
- 3、meters above sea level: Not more than 1000 ;
- 4、The average relative temperature is not more than 80%;
- 5、No serious effects of transformer gas, dust, and other explosive, etching medium;
- 6、Installation attempt without violent vibration and bumps.

售后服务 Service

凡本公司生产的互感器，若因生产质量问题可凭购买时的发票及合格证等有效证明在有效期内到本公司（或经销商）处进行更换或是保修。

Our company produced transformers, if the quality of production has problems, You can take the purchase contract, certificates or other valid proof to our company (or Distribution Department) for Replace or repairing in the validity period.

订货须知 Odering information

订货时请提供下列技术参数

- 1、额定工作电压kV；
- 2、额定电压；
- 3、准确级及期准确级组合；
- 4、额定输出及相应准确级（VA）。

Need technical data following if arrange an order

- 1.Rated voltage kV;
- 2.Rated voltage ratio;
- 3.Accracy class;
- 4.Rated burden.

装箱单 Package

- 1、本机一台；
- 2、使用说明书一份；
- 3、合格证一份。

- 1.Product i:1pc;
- 2.instruction manual :1pc;
- 3.Certificate of qualification: 1pc.

JSZV1-10R 电压互感器

JSZV1-10R Voltage transformer

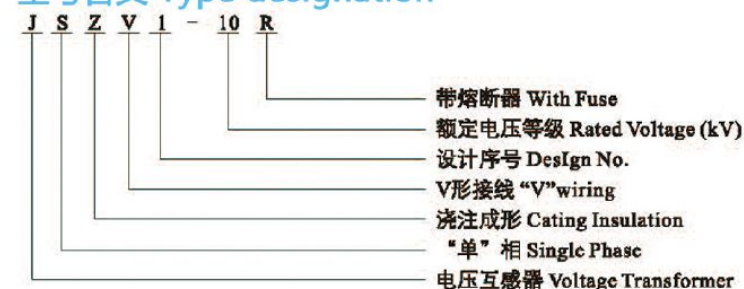
Key of Power
Electric Professional
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概述 Summary

本型号电压互感器为环氧树脂浇注半封闭结构户内型产品。适用于额定频率50Hz或60Hz额定电压3、6、10kV以下的中性点非有效接地电力系统线路中作电压、电能测量以及继电保护用。

This type of voltage transformer is casting resin and semi enclosed indoor type products, Applicable to the rated frequency 50Hz,60Hz, rated voltage 3, 6,10kV and below in the neutral point non effective grounding current system. It is used for Voltage, electric energy measurement and relay protection.

型号含义 Type designation



结构简介 Structre

本型号电压互感器为全浇注结构，二次绕组包绕在由优质硅钢片卷绕而成的矩形铁芯上，铁芯经铜线引出单点接地。分段绕制在一次绕组与铁心同轴绕在酚醛纸筒上。一次绕组均匀分两段绕制，段与段之间留有一定的距离做为段间绝缘。主绝缘和层间绝缘皆采用新型的绝缘材料。一次绕组的每段层外都包有静电屏蔽补偿对地电容。干燥过的线圈及铁性能。一次出线处接有熔断器，底部设有安装底板，供安装固定之用。

Products for the whole casting structure, the secondar windings packaged around the high quality silicon steel sheet winding into a rectangular close, The core wire leads to single point grounding, firing a segmented winding and core coaxial cylinders around the phenolic acid. The primary winding is uniformly divided into two sections and firing, segment is left between a certain distance for inter segment insulation, main insulation layer and insulation adopts the new insulation material, each layer of a winding package electrostatic shield compensation capacitance to ground. The dry coil and the iron core are all cast and cast after vacuum casting, and the mutual inductor has good insulation performance. The primarys outlet is provided with a fuse, the secondary outlet terminalis provided with a junction box protection, and the bottom part is provided with a bottomplate far fixing and fixing.

技术参数 Technical parameter

- 1、绝缘电阻 $R \geq 1000M\Omega$;
- 2、允许在120%的额定电压下长期运行;
- 3、局部放电水平符合GB7354-1997《互感器局部放电测量》;
- 4、各技术参数符合GB20840.1-2010及GB20840.3-2013《电磁式电压互感器》;
- 5、绝缘水平: 12/42/75kV;
- 6、JSZV18-10R型电压互感器额定输出及相应准确级见表。

1. Insulation resistance;
2. Allows for long term operation at 120% of rated voltage;
3. Partial discharge level is consistent with GB7354-1997《Partial discharge measurement of Voltage Transformer》
4. All technical data accord with GB20840.0-2010 and GB20840.3-2013《Electromagnetic type Voltage Transformer》;
5. Rated insulation level;
6. Type voltage transformer. Rated burden and accuracy class as table.

JSZV1-10R 电压互感器

JSZV1-10R Voltage transformer

额定输出及相应准确级

型号 Type	额定电压比(V) Rated voltage ratio(V)	额定输出(VA) Rated burden(VA)			热极限输出(VA) ultimate output(VA)
JSZV18-10R	10/0.1/0.22	0.2	0.5	6P	500
		20	50	80	

正常工作条件 Normal operating conditions

- 1、安装场所为户外，运行时二次不得短路；
- 2、环境温度：-25℃~+40℃，日平均气温不超过35；
- 3、海拔高度不超过1000m，风压不超过700Pa；
- 4、日照辐射小于1000瓦每平方米（晴天中午）；
- 5、无严重影响互感器绝缘的气体，尘埃及其它爆炸性或腐蚀性介质。
- 6、安装场所无剧烈震动和颠簸。

- 1、 Outdoor Installation , during working , secondary circuit cannot open;
- 2、 Environmental temperature: -25℃~+40℃, The daily average temperature is not more than 35 degrees;
- 3、 meters above sea level: Not more than 1000 . Wind pressure is not more than 700Pa;
- 4、 Sunshina radiation is not more than 1000 watts persquare meter(sunny noon);
- 5、 No serious effects of transformer gas, dust, and other explosive, etching medium;
- 6、 Installation attempt without violent vibration and burmps.

外形及安装尺寸图 Outline and installation dimension

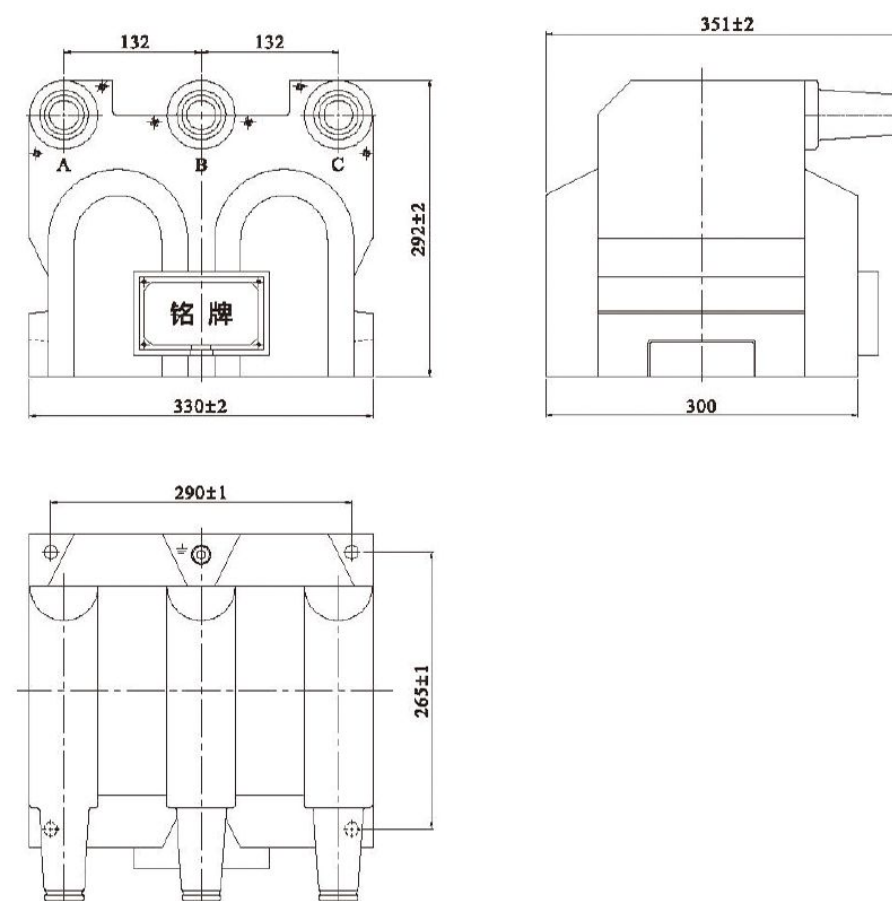


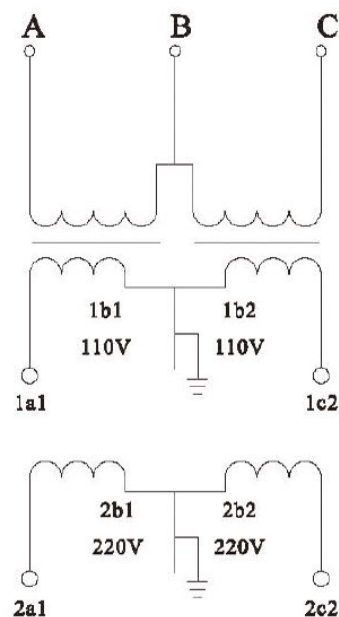
图1：JSZV1-10R外形安装尺寸图

JSZV1-10R 电压互感器

JSZV1-10R Voltage transformer

Key of Power
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接线图 Wiring diagram



售后服务 Service

凡本公司生产的互感器，若因生产质量问题可凭购买时的发票及合格证等有效证明在有效期内到本公司（或经销商）处进行更换或是保修。

Our company produced transformers, if the quality of production has problems, You can take the purchase contract, certificates or other valid proof to our company (or Distribution Department) for Replace or repairing in the validity period.

订货须知 Ordering information

订货时请提供下列技术参数

- 1、额定工作电压kV;
- 2、额定电压;
- 3、准确级及期准确级组合;
- 4、额定输出及相应准确级（VA）。

Need technical data following if arrange an order

- 1.Rated voltage kV;
- 2.Rated voltage ratio;
- 3.Accracy class;
- 4.Rated burden.

装箱单 Package

- 1、本机一台;
- 2、使用说明书一份;
- 3、合格证一份。

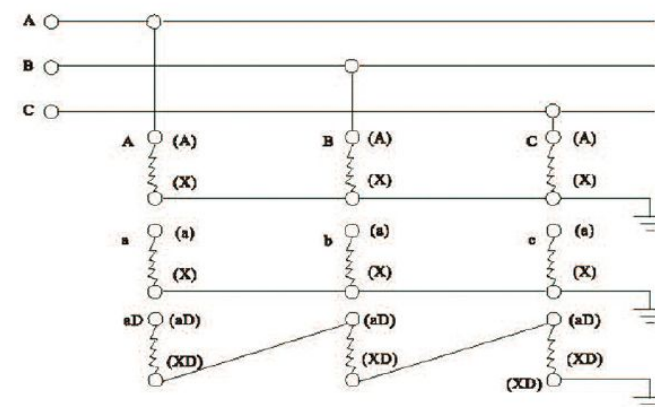
- 1.Product i:1pc;
- 2.instruction manual :1pc;
- 3.Certificate of qualification: 1pc.

JS(W)-3,6,10 电压互感器 (户内性)

JS(W)-3,6,10 Voltage transformer(Indoor type)

Key of Power
Electric Professional
>

接线图 Wiring diagram



连接组别为: YN,Yn,D11 其接线图见图1
Connection group: YN, Yn, D11 wiring diagram (see Figure1).

技术参数 Technical parameter

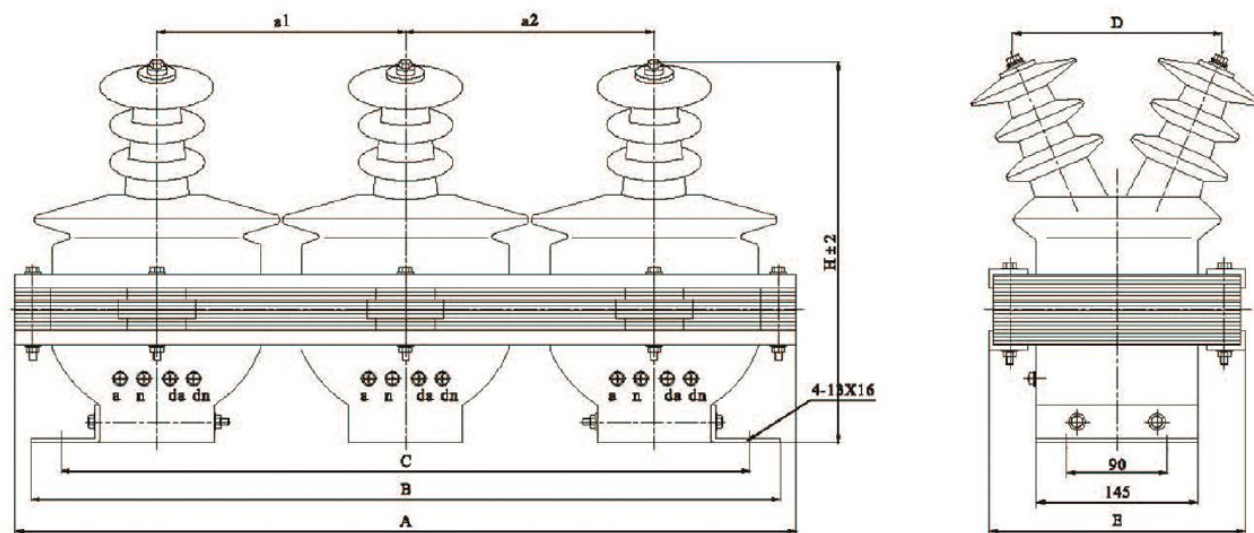
型号 Type	JSZW-3	JSZW-6	JSZW-10
额定电压(V) 一次 基本二次 辅助二次 Rated voltage(V) Primary Basic secondary Auxiliary secondary	3000/ $\sqrt{3}$ 100/ $\sqrt{3}$ 100/3	6000/ $\sqrt{3}$ 100/ $\sqrt{3}$ 100/3	10000/ $\sqrt{3}$ 100/ $\sqrt{3}$ 100/3
额定输出(VA) 0.5级 1级 3级 Rated output(VA) Class 0.5 Class 1 Class 3	90 150 300	120 240 480	150 240 480
最大输出(VA) Max. Output(VA)	600	960	960
耐压试验(kA) 一次 二次 Voltage-withstand test (kA) Primary Secondary	23 3	32 3	42 3
频率(Hz) Frequency(Hz)	50	50	50

JS(W)-3,6,10 电压互感器 (户内型)

JS(W)-3,6,10 Voltage transformer(Indoor type)

Key of Power
Electric Professional
>

外形及安装尺寸图 Outline and installation dimension



型号 Type	外形及安装尺寸 Outline and installation size							
	A	B	C	D	E	H	a1	a2
JSZW-3.6(Q)	600	580	560	156	195	295	195	195
JSZW-10(Q)	660	640	620	185	210	325	205	205

Key of Power
Electric Professional
>JSZW3-3,6,10A,B 型半封闭三相电压互感器
JSZW3-3,6,10A,B Type semi-enclosed three phase voltage transformer

概述 Summary

JSZW3-3、6、10电压互感器为户内环氧树脂浇注半封闭结构，适用于交流50Hz额定电压为3、6、10kV中性点非有效接地电力系统中作电压、电能测量及继电保护用，根据安装方式不同，该产品又分为A型和B型两种。

JSZW3-3, 6, 10 type voltage transformer is semi-closure casting with epoxy resin, which mainly used for measuring voltage or electric energy and protecting relay in power system with frequency 50Hz and rated voltage 3KV, or 6KV or 10KV and the neural point is not effectively grounded. These products have two different types according to installation method: type A and type B.

型号含义 Type designation



结构 Structure

本型电压互感器为半浇注式，体积小，气候适应性强，互感器铁芯采用带有旁铁轭的芯式结构，采用优质冷轧硅钢片叠装成长方形，露在空气中，其一次、二次及剩余电压绕组同心地绕在一起，用环氧树脂浇注成型，三相浇注体固定在一起，一次绕组，A端为全绝缘，另N端为非全绝缘。其接线图见图1：根据安装方式本产品分为A型和B型。A型产品为侧面安装，安装孔在铁芯夹件上，B型产品有安装底座，靠底座来紧固产品。

This model voltage transformer semi-casting type, with small size and good climate adaptability. The iron-core of the transformer applies core type side-iron structure, and made of high quality silicon steel plate by cold rolling and exposing in the air, the primary winding, secondary winding and residual voltage winding wound onto the iron-core concentrically and cast with epoxy resin, the three phases cast and fixed together, the primary winding and terminal A are fully insulated and terminal N is not fully insulated. The wiring please refers to Diagram 1. It has two types: type A and type B according to installation, type A is installed on the side and the installation hole is on the iron-core clamp, type B has a base for installation.

JSZW3-3,6,10A,B 型半封闭三相电压互感器

JSZW3-3,6,10A,B Type semi-enclosed three phase voltage transformer

Key of Power
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JSZW3-3,6,10A,B 型半封闭三相电压互感器

JSZW3-3,6,10A,B Type semi-enclosed three phase voltage transformer

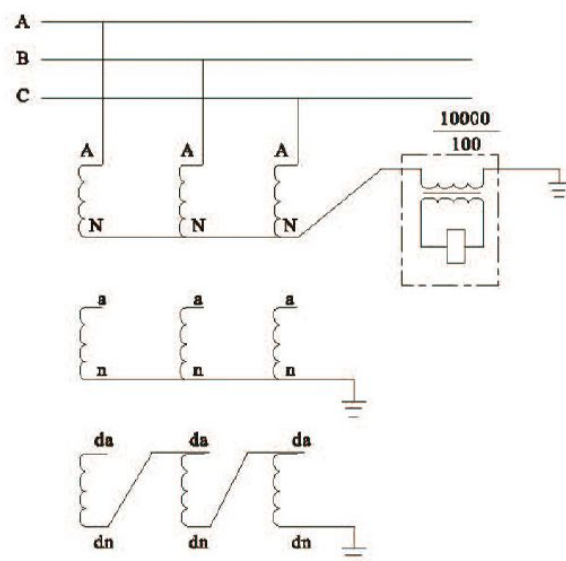
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技术参数 Technical parameter

1. 产品标准: GB20840.3-2013《电压互感器》;
 2. 技术参数表;
 3. 产品表面爬电比距满足 II 级污秽等级;
 4. 其它技术参数见下表:
1. Standard: GB20840.3-2013 Voltage Transformer
 2. Technical parameter form
 3. The creepage of product surface comply with Grade II of pollution.
 4. Other technical parameters please refer to table below:

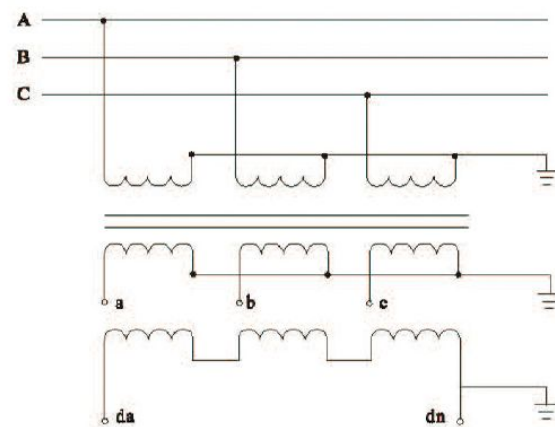
型号 Type	额定电压比 Rated voltage ratio(V)	级次组合 Accuracy class combination	额定输出 Rated output (VA)					极限输出 Ultimate output (VA)	耐压试验 Voltage withstand test (KV)	
			0.2	0.5	1	3	6P		一次绕组感应耐压 Inductive voltage withstand of primary winding	二次绕组工频耐压 voltage withstand for power frequency of secondary winding.
JSZW3-3	3000/√3/100/√3/100/3	0.5/6P 1/6P 3/6P		90	150	300	75	600	18	2
JSZW3-6	6000/√3/100/√3/100/3			150	240	600	100	1000	23	2
JSZW3-10	10000/√3/100/√3/100/3								32	2

接线图 Wiring diagram



JSZW3-3、6、10抗谐振三相线路接线图

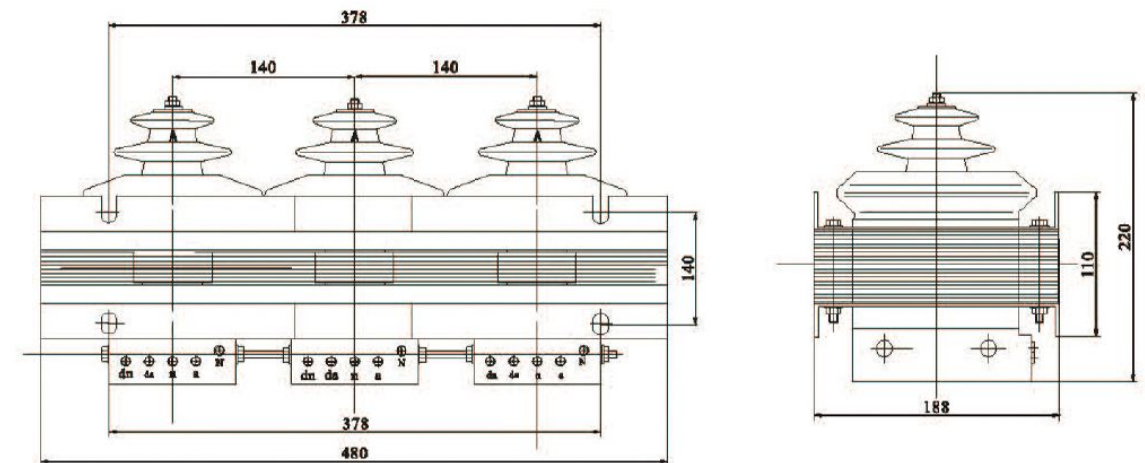
Wiring diagram for model JSZW3-3, 6, 10 anti-resonance three-phase circuit



JSZW3-3、6、10常规接线图

Regular wiring diagram for model JSZW3-3, 6, 10

外形及安装尺寸图 Outline and installation dimension



JSZK2JSZK2-6,10(F)抗磁铁谐振三相电压互感器

JSZK2-6,10(F) Anti-ferroresonance three-phase voltage transformer

Key of Power
Electric Professional
>



概述 Summary

JSZK2-6、10(F)型电压互感器供额定频率50Hz，额定电压为6-10kV及以下线路中，特别是无人值守的小型变电站中作电能计量及继电保护之用，该产品是油浸互感器JSJW-6、10的替代产品，与老产品相比具有如下特点：

- 1.输出容量大，适用小型化变电站，回路多，负荷大；
- 2.改户外油浸式为户外干式，解决了渗漏油的问题，减少了维护工作；
- 3.在中性点采取了消谐措施，使产品不需另加消谐器或阻尼接地等保护方式，即可以安全的在电网上运行，并可长期运行在单相接地的故障线路中。

- 4.多一组二次监控绕组，成为计量器(0.2级)、监控(0.5级)、保护(6P开口三角)分开的多用途电压互感器。

JSZK2-6,10(F)type voltage transformer is used for measurement of electric energy as well as relay protection in the circuit of rated frequency 50Hz and rated voltage 6-10KV or below, especially in the small-scaled transformer station with no one on watch. This product is a substitute for oil-immersed transformers JSJW-6 and -10. Compared with old products, this kind of product has the following characteristics:

- 1.Large output capacity, applicable for small-scaled transformer station, multiple loops and large load;
- 2.It adopts outdoor dry instead of outdoor oil-immersed type, which solved the problem of oil leakage and reduced the maintenance work.
- 3.It adopts against-resonance measure at neutral point to enable the product to operate safely on electrified wire netting without against-resonance or damping earthing or other protection modes and also to operate in single-phase earthing faulty line for long time.
- 4.Add a set of secondary monitor winding, the product will become a multi-function voltage transformer with separate measure(Class 0.2), monitor (Class 0.5) and protection(6P open triangle).

型号含义 Type designation

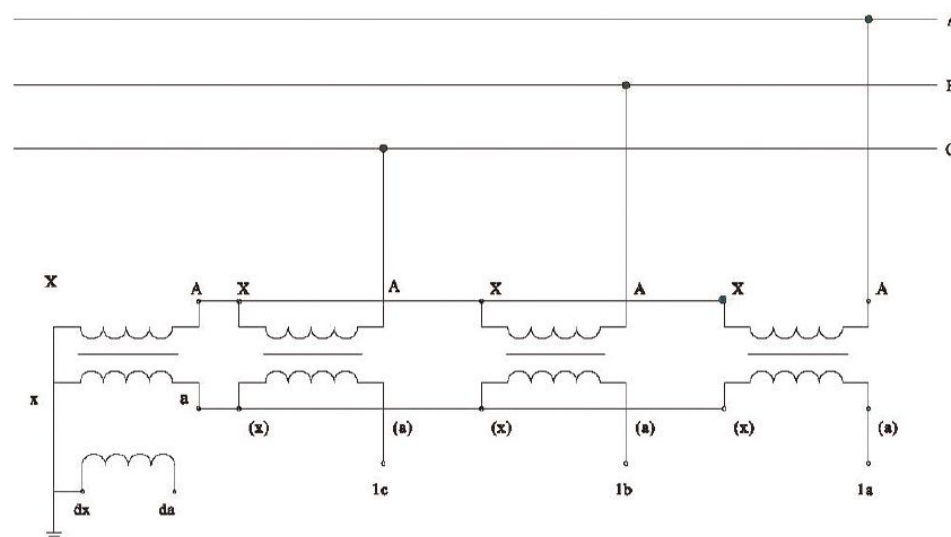


JSZK2JSZK2-6,10(F)抗磁铁谐振三相电压互感器

JSZK2-6,10(F) Anti-ferroresonance three-phase voltage transformer

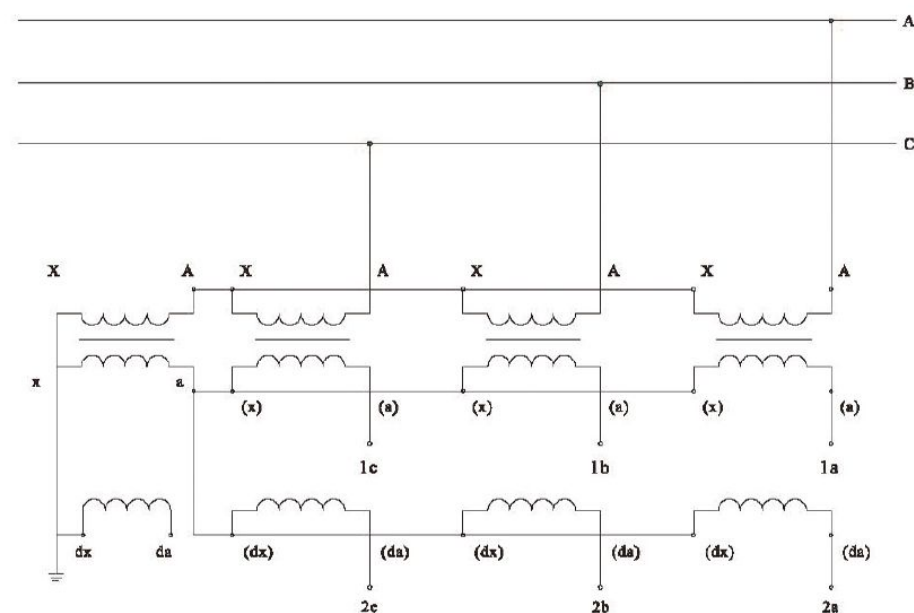
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接线图 Wiring diagram



JSZK2-10(F)电压互感器接线图 图中: 1a、1b、1c 为0.5级 150VA da、dn为6P级50VA

Wiring diagram of JSZK2-10(F) voltage transformer In the diagram: 1a,1b,1c: Accuracy class 0.5, 150VA da, dn: Accuracy class 6P, 50VA.



JSZK2-10(F)电压互感器接线图图中: 1a、1b、1c为0.2级 75VA 2a、2b、2c为0.5级 150VA da、dn为6P级50VA.

Wiring diagram of JSZK2-10(F) voltage transformer in the diagram: 1a,1b,1c: Accuracy class 0.2, 75VA 2a,2b,2c: Accuracy class 0.5, 150VA da, dn: Accuracy class 6P, 50VA.

JSZK2-6,10(F)抗磁铁谐振三相电压互感器

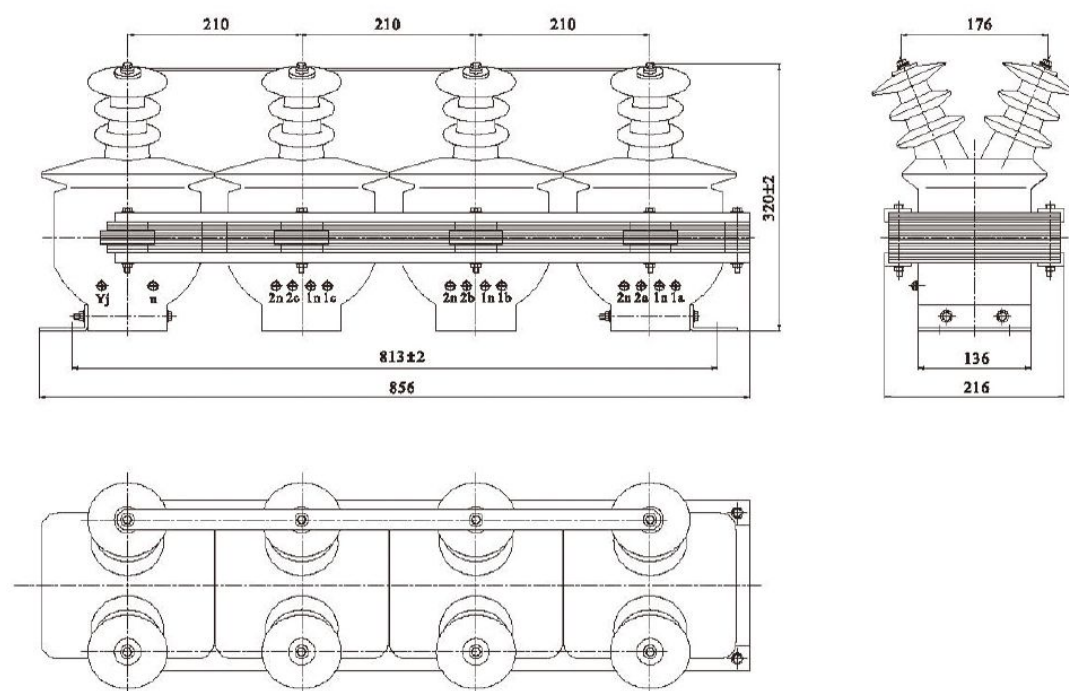
JSZK2-6,10(F) Anti-ferroresonance three-phase voltage transformer

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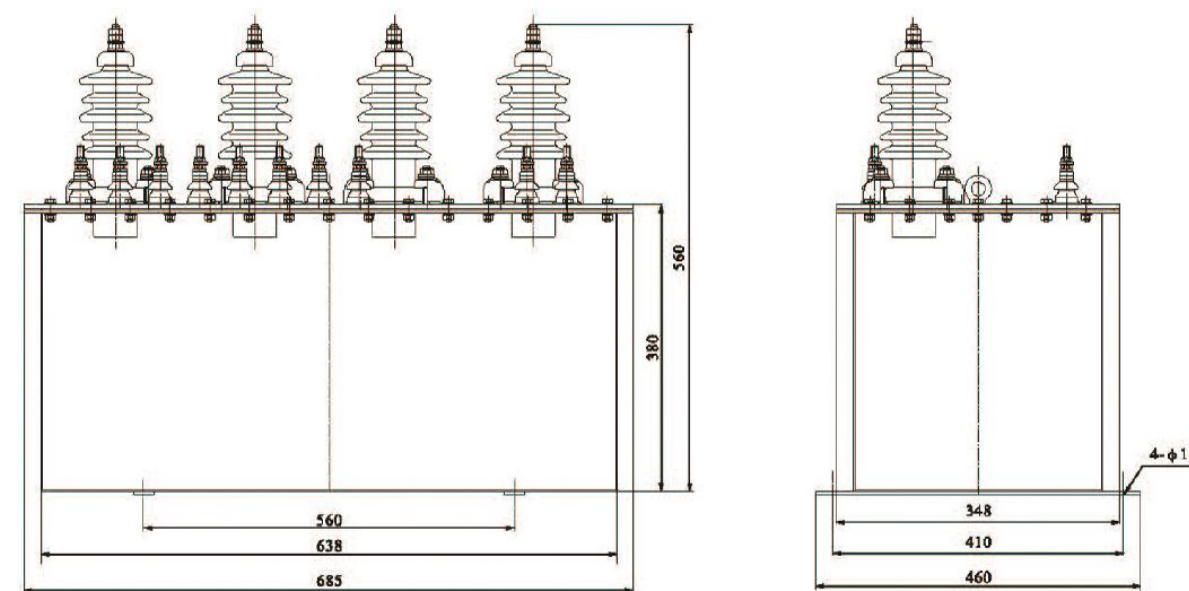
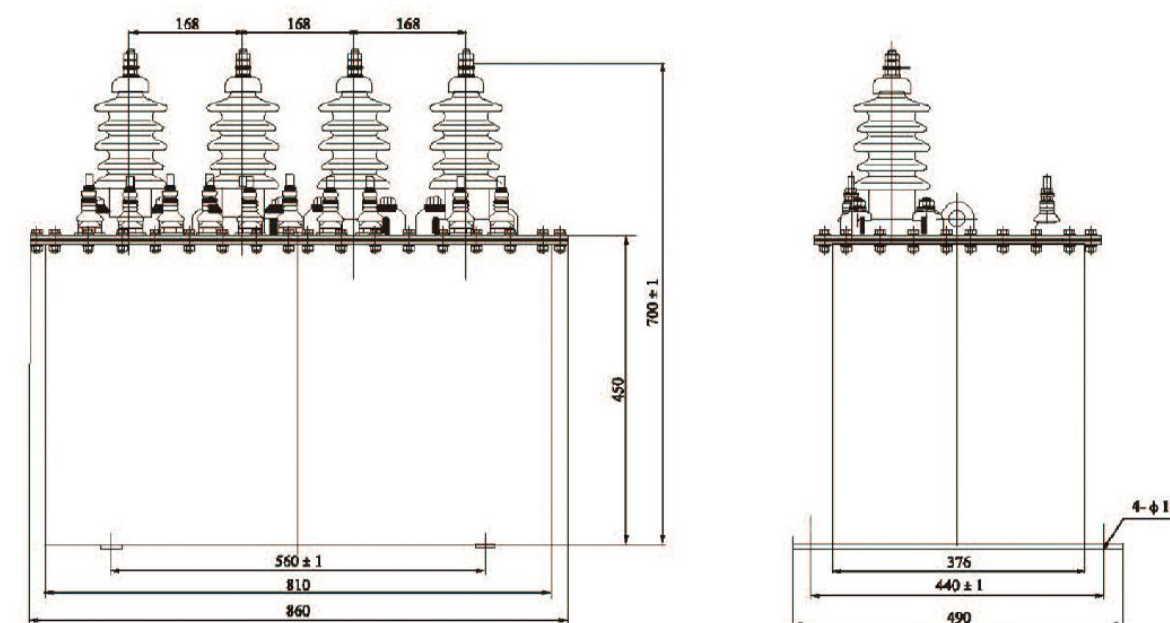
技术参数 Technical parameter

型号 Type	额定电压 Rated voltage(V)		计量a.b.c Measurement		监控a.b.c Monitoring		辅助aD. xD Auxiliary		极限输出 Ultimate output (VA)
	一次 Primary	二次 Secondary	容量(VA) Capacity	精度等级 Class	容量(VA) Capacity	精度等级 Class	容量(VA) Capacity	精度等级 Class	
JSZK2-6	6000/3	100/3	120	0.5			100	6P	1000
			60	0.2					
JSZK2-10	10000/3	100/3	75	0.2			100	6P	1500
			150	0.5					
JSZK2-6F	6000/3	100/3	50	0.2	80	0.5	100	6P	1000
			90	0.5	90	0.5			
JSZK2-10F	10000/3	100/3	75	0.2	120	0.5	100	6P	1500
			120	0.5	120	0.5			

外形及安装尺寸图 Outline and installation dimension

图1 JSZK2-10(F)外形及安装尺寸图
Fig.1 Outline and installation dimension of JSZK2-10(F)

外形及安装尺寸图 Outline and installation dimension

图2 JSZK2-6(F)外形及安装尺寸图
Fig.1 Outline and installation dimension of JSZK2-6(F)图3 JSZK2-10(F)外形及安装尺寸图
Fig.1 Outline and installation dimension of JSZK2-10(F)

JDZXF11-20G 电压互感器

JDZXF11-20G Voltage transformer

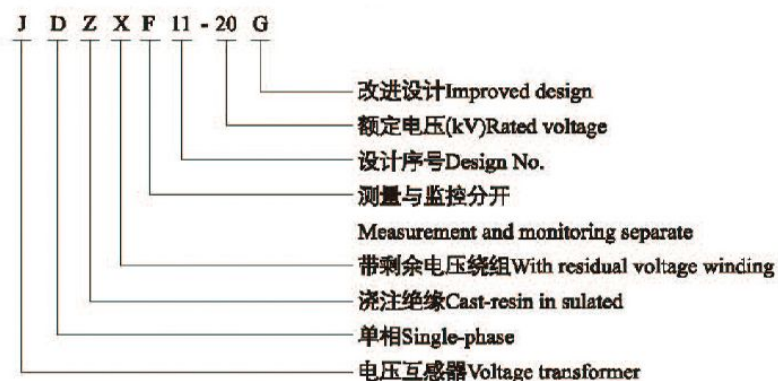
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JDZXF11-20G 电压互感器

JDZXF11-20G Voltage transformer

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Electric Professional
>

型号含义 Type designation



概述 Summary

本系列电压互感器为单相环氧树脂浇注全封闭结构，适用于额定频率50Hz或60Hz，额定电压15kV、20kV及以下的电力系统中，作电能计量、电压监控和继电保护用，本产品符合IEC60044-2、GB20840.1-2010、GB20840.3-2013《电压互感器》标准。

本型电压互感器可用于单相及三相线路，用于三相线路中，可用三只电压互感器接成星型接线方式。

This series of voltage transformer is single-phase fully enclosed structure with epoxy resin casting, it is suitable for power system with rated frequency of 50Hz or 60Hz and rated voltage of 15kV, 20kV and below, in which it is used for power measurement, voltage monitoring and relay protection, this product is compliance with standards of IEC60044-2, GB20840.1-2010 and GB20840.3-2013 Voltage transformer.

The voltage transformer can be used for single-phase and three-phase lines, when it is used in three-phase line, three voltage transformers can be connected in a star wiring mode.

结构简介 Structural introduction

本系列电压互感器为环氧树脂绝缘全封闭结构，耐污秽及潮湿，也适用于热带地区使用，该互感器体积小，重量轻，局部放电小、抗过电压能力强，适宜于任何位置、任何方向安装。

采用先进真空浇注工艺进行浇注保证了产品的优良的绝缘性能，产品的爬电比距较大，符合国家2级污秽水平，底部设有支架，支架上有四个安装孔方便安装固定。

This series of voltage transformer is single-phase fully enclosed structure with epoxy resin casting, it can resist pollution and humid, is suitable for tropical regions, has features of small size, light weight, low partial discharge, strong capability to over-voltage, so it is suitable for installation at any position and in any orientation.

The use of advanced vacuum casting technology ensures excellent insulation properties of the product, the creepage distance is large, and it is in line with national level 2 of pollution shift, the bottom has brackets and there are four mounting holes to facilitate the installation.

正常工作条件 Normal working conditions

1. 安装场所为户内，运行时二次不得短路；
2. 环境温度：-5℃~+40℃，日平均气温不超过35℃；
3. 海拔高度不超过1000m；
4. 平均相对湿度不超过80%；
5. 无严重影响互感器绝缘的气体、尘埃及其它爆炸性或腐蚀性介质；
6. 安装场所无剧烈震动和颠簸。

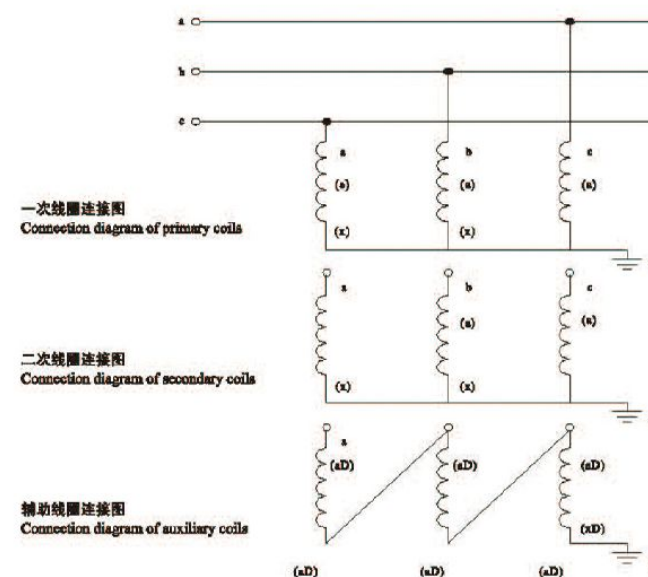
1. The installation site is indoor, two times shall not be short run in operation.
2. The environment temperature: -5℃~+40℃, the daily average temperature is no more than 35℃;
3. The altitude is not more than 1000m;
4. The average relative humidity is not more than 80%;
5. No serious impact on the insulation of the transformer gas, dust and other explosive or corrosive medium;
6. The installation site without severe vibration and bumps.

技术参数 Technical parameter

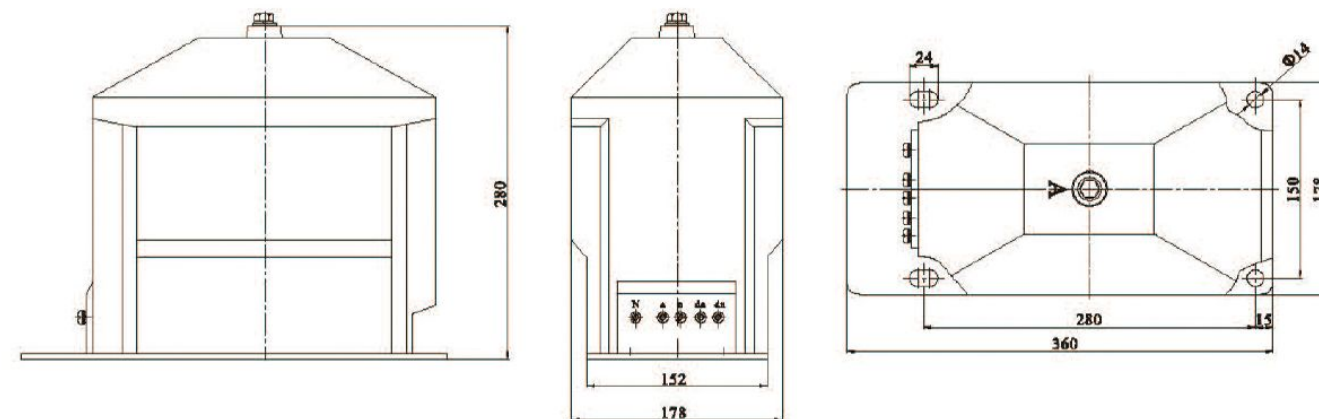
1. 技术参数表；
2. 局部放电水平符合GB20840.1-2010、GB20840.3-2013《电压互感器》标准；
3. 污秽等级：II级。

1. Technical data form
2. Partial discharge is in line with GB20840.1-2010, GB20840.3-2013 Voltage Transformer.
3. Anti-pollution class: II class.

接线图原理 Wiring principle diagram



外形及安装尺寸 Outline and installation dimension



JDZ(X)F6-35 户内电压互感器

JDZ(X)F6 -35 Outdoor voltage transformer

Key of Power
Electric Professional
>

概述 Summary

本系列电压互感器为全封闭环氧树脂浇注结构，适用于额定频率50Hz或60Hz，额定电压35KV及以下的电力系统中，作电能计量、电压监控和继电保护之用。本产品符合IEC60044及GB20840.3-2013《电压互感器》标准。

This series voltage transformers are of full enclosed and casting resin insulated products. They are used for electric energy metering, voltage control and relay protection in the electric system of rated frequency 50Hz or 60Hz and rated voltage 35kV. The transformers can be executed according to IEC60044 and GB20840.3-2013 voltage transformer.

型号含义 Type designation



技术参数 Technical parameter

1. 技术参数表
2. 局部放电水平符合GB20840.3-2013《电流互感器》标准。
3. 污秽等级：Ⅱ级。
1. Technical data form
2. Partial discharge is in line with GB20840.3-2013 Current Transformer.
3. Autipollution class : Ⅱ class.

JDZ(X)F6-35 户内电压互感器

JDZ(X)F6 -35 Outdoor voltage transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

型号 Model	额定电压比 Rated voltage Ratio (V)	额定输出 Rated output(VA)			极限输出 Ultimate output(VA)	额定绝缘水平 Rated insulation level (kV)
		0.2	0.5	6P		
JDZ6-35	35000/100	60	150		1000	40.5/80/200
JDZF6-35	35000/100/100	40	40		2 × 500	
JDZX6-35	35000/√3/100/√3/100/3	50	90	100	1000	
JDZXF6-35	35000/√3/100/√3/100/√3/100/3	30	30	100	2 × 500	

外形及安装尺寸图 Outline and installation dimension

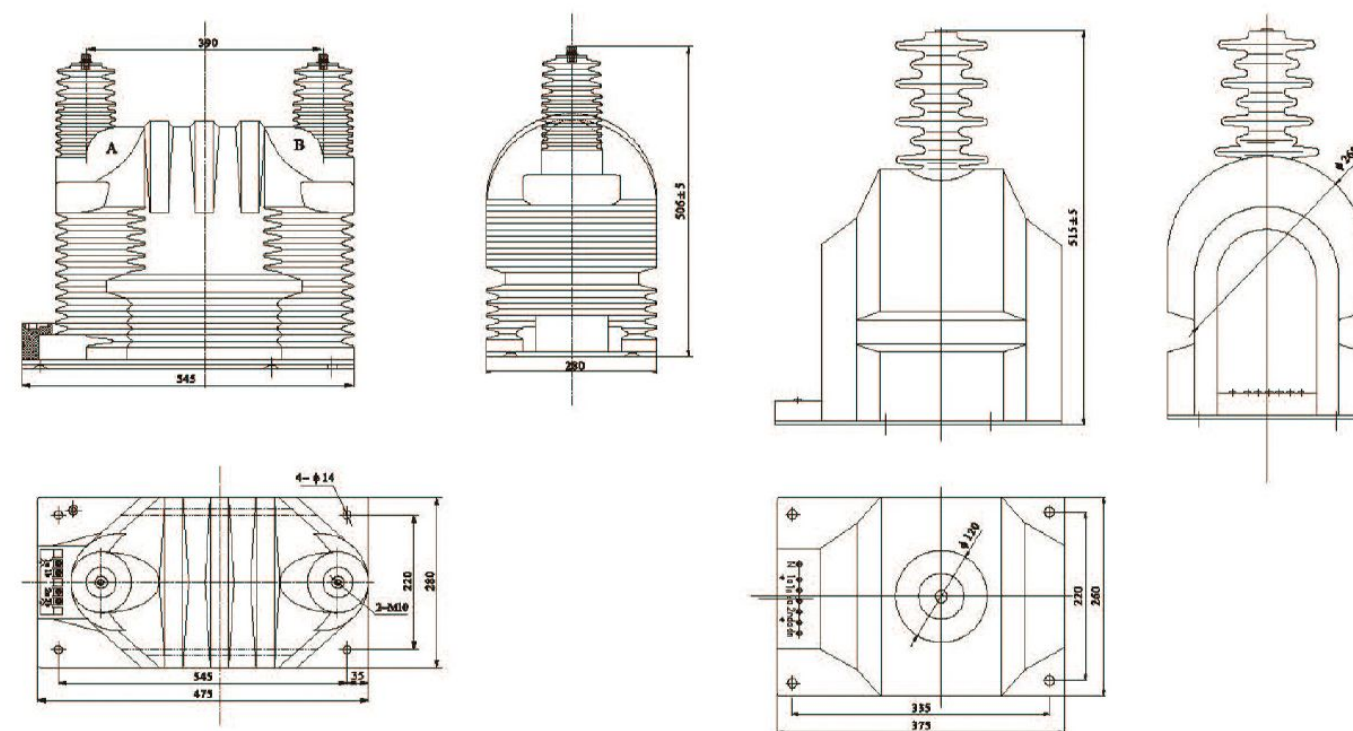


图1 JDZ(F)6-35 外形及安装尺寸图
Diagram1 Outline and installation size of JDZ(F)6-35

图2 JDZX(F)6-35外形及安装尺寸图
Diagram2 Outline and installation size of JDZX(F)6-35

JDZW-10(6)R 电压互感器

JDZW-10(6)R Voltage transformer

Key of Power
Electric Professional
>



型号含义 Type designation



概述 Summary

适用于JDZW-10R全封闭绝缘型电压互感器（以下简称互感器）。互感器为户外装置，内置熔断器，供额定频率50Hz、60Hz，10kV以下电力系统中作电气测量、电气保护、电源提供之用。

It is suitable for JDZW-10R fully enclosed insulated voltage transformer (hereinafter referred to as transformer). Transformer is outdoor device, it is built-in with fuse to be used in power system with rated frequency of 50Hz/60Hz and rated voltage of 10kV for electrical measurements, protection and power supply.

工作条件 Working conditions

1.1 设计主要标准 Standard

序号No.	名称Name	单位Unit	参数Parameter
1	周围空气温度（户外） Ambient air temperature (outdoor)	最高气温Maximum temperature	℃
		最低气温Minimum temperature	℃
		最大日温差Maximum daily temperature difference	K
2	海拔Altitude	m	≥1500
3	太阳辐射强度Solar radiation intensity	W/cm ²	0.1
4	覆冰厚度Ice thickness	mm	10
5	风速/风压Wind speed and wind pressure	m/s/Pa	34/700
6	最大风速（离地面高10M处，维持10min的平均最大值） Maximum wind speed (from the ground height 10M, to maintain the average maximum of 10min)	m/s	35
7	湿度Humidity	日相对湿度平均值Average relative humidity	%
		月相对湿度平均值Average monthly relative humidity	%
8	耐受地震能力 Earthquake resistant capacity	水平加速度Horizontal acceleration	g
		地面垂直加速度Ground vertical acceleration	g
		安全系数Safety factor	/

JDZW-10(6)R 电压互感器

JDZW-10(6)R Voltage transformer

Key of Power
Electric Professional
>

1.2 系统接地方式 System grounding method

中性点非有效接地系统 Neutral point non-effective grounding system

技术参数 Technical parameter

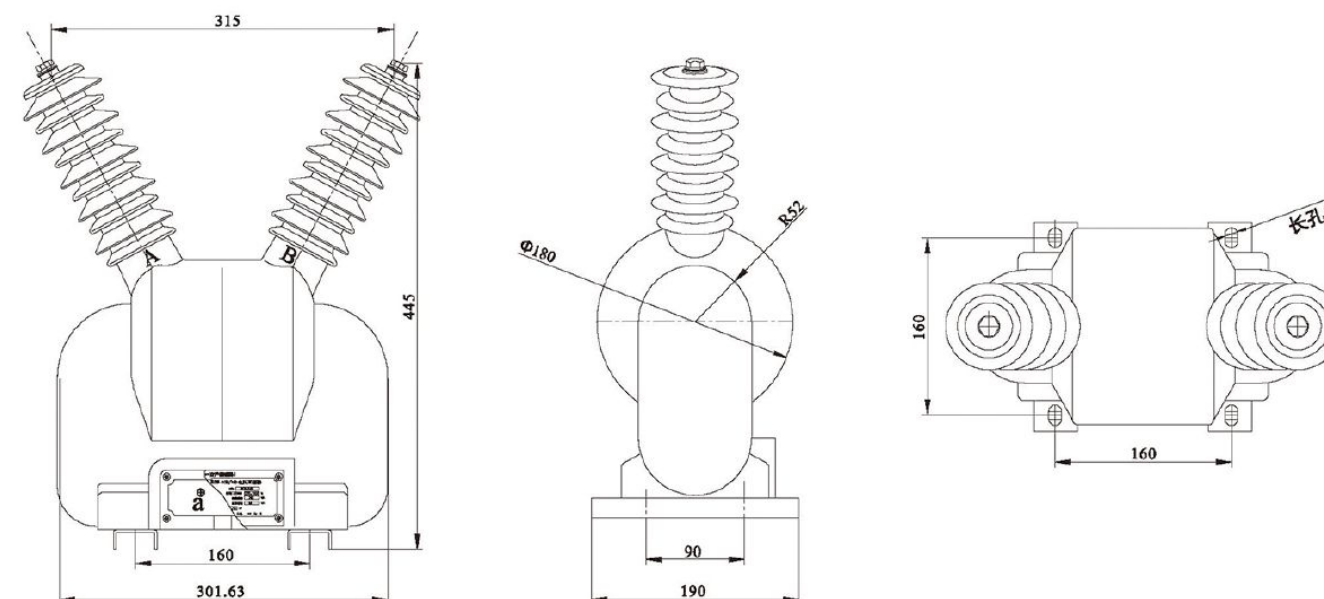
1.1 互感器的额定值及基本参数见表

型号 Type	额定频率 Rated frequency (Hz)	额定电压比 Rated voltage ratio (V)	准确级 Accuracy class	额定输出 Rated output (VA)	极限输出 Ultimate output (VA)	额定绝缘水平 Rated insulation level (kV)
JDZW-6R	50~60	6000/220	3	500	1000	7.2/32/60
JDZW-10R	50~60	10000/220	3	500	1000	12/42/75
JDZW-6R	50~60	600/100/220	0.5/3	30/500	1000	7.2/32/60
JDZW-10R	50~60	10000/100/220	0.5/3	30/500	1000	12/42/75

1.2 相应准确级（负荷的功率因数0.8滞后）Corresponding accuracy level (load power factor 0.8 is lagging)

准确级别 Accuracy class	电压误差(±%) Voltage error					相位差(±') Phase difference				
	额定电压百分数 Rated voltage percent					额定电压百分数 Rated voltage percent				
	-	20	80	100	120	-	20	80	100	120
0.2		0.2	0.2	0.2	0.2		10	10	10	10
0.5		0.2	0.5	0.5	0.5		20	20	20	20
1.0		10	10	10	1.0		40	40	40	40
3			3	3	3		不规定 Not specified			

外形及安装尺寸 Outline and installation dimension



JDZX(F)71-10 户外电压互感器

JDZX(F)71-10 Outdoor voltage transformer

Key of Power
Electric Professional
>



概述 Summary

JDZX(F)71-10型电压互感器为单相多绕组全封闭环氧树脂浇注式互感器，并带剩作绕组，供额定频率50Hz，额定电压为10kV及以下的电力系统中作电压、电能测量和继电保护之用。

JDZX(F)71-10 outdoor voltage transformer is a type of single-phase multi-winding and whole sealing epoxy resin casting product. It is equipped with residual winding used for measurement of voltage and electric energy as well as relay protection in the electric system of rated frequency 50Hz and rated voltage 10kV or below.

型号含义 Type designation



结构 Structure

本系列电压互感器为环氧树脂全封闭浇注绝缘结构，铁芯采用优质冷轧硅钢片绕制，并经退火处理，铁芯与一次绕组和二次绕组一起用环氧树脂浇注成型。本系列互感器耐污秽、耐潮性能良好。二次接线端子处有接线保护端子盒，端子盒有三个不同出线方向，接线方便，并能实现防尘、防窃电措施。

This series of voltage transformer is of epoxy resin casting and whole sealing insulation structure. Encircled by cold rolled silicon steel strap and through annealing process, the iron core, together with primary winding and secondary winding, is formed by casting epoxy. This series of transformer owns excellent dirt-proof and moisture resistant performances. Secondary connecting terminal is equipped with connecting protective terminal box, which has 3 different outlet directions. It is convenient for wiring, dirt-proof and thief-proof.

JDZX(F)71-10 户外电压互感器

JDZX(F)71-10 Outdoor voltage transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

额定一次电压 Rated primary voltage: 10000/√3V

额定二次电压 Rated secondary voltage: 100/√3V

额定频率 Rated frequency: 50Hz

额定二次输出及其相应准确级(负荷功率因素为0.8滞后)见表1

Refer to Table for rated secondary output and corresponding class of accuracy (load power factor is 0.8 lag)

型号 Type	额定电压比 Rated voltage ratio(V)	准确级次组合 Accurate class combination	额定输出(VA) Rated output	极限输出 (VA) Ultimate output (VA)	额定绝缘水平 Rated insulation level(kA)
JDZX71-10	10000/√3/100/√3/100/3	0.2/3P	20/120	600	12/42/75
		0.5/3P	40/120		12/42/75
JDZXF71-10	10000/√3/100√3/100/√3/100/3	0.2/0.2/3P	20/20/120	600	12/42/75
		0.5/0.5/3P	40/40/120		12/42/75
		0.2/0.5/3P	20/30/120		12/42/75

外形及安装尺寸图 Outline and installation dimension

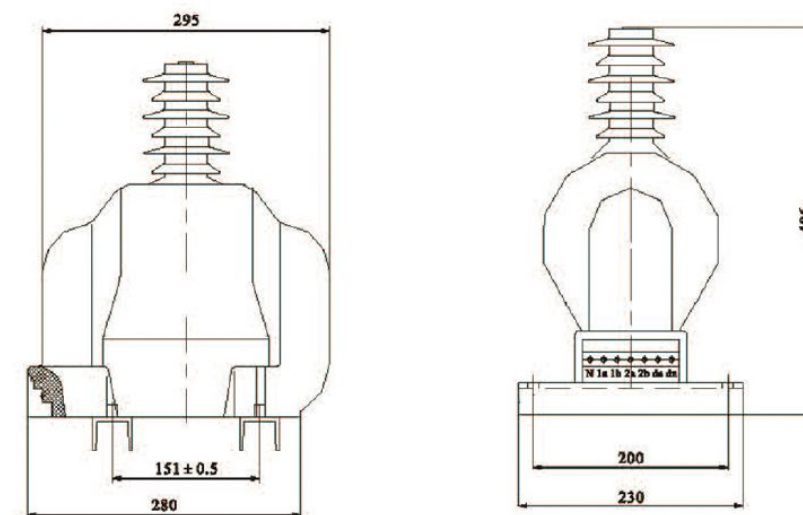


图1、JDZX(F)71-10外形及安装尺寸图
Diagram 1 JDZX(F)71-10 outline and installation dimension

接线图 Wiring diagram

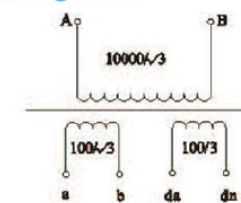


图2、JDZX71-10接线图
Diagram 2 JDZX71-10 Wiring diagram

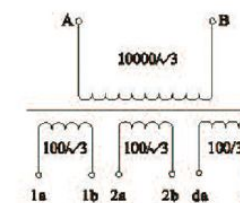


图3、JDZXF71-10接线图
Diagram 3 JDZXF71-10 Wiring diagram

LDZ(J)-10GY 电压互感器

LDZ(J)-10GY Voltage transformer

Key of Power
Electric Professional
>

概述 Summary

JDZJ-10GY型电压互感器为单相多绕组全封闭环氧树脂浇注式互感器，本产品系户内外装置供额定频率50Hz,额定电压为10kV及以下的电力系统中作电压、电能测量和继电保护之用。

JDZJ-10GY voltage transformer is the single-phase multi-winding whole sealing epoxy pouring product. It is used indoor for measurement of voltage and electric energy as well as relay protection in the electric system of rated frequency 50Hz and rated voltage 10kV or below.

型号含义 Type designation



结构 Structure

本系列电压互感器为环氧树脂全封闭浇注绝缘结构，铁芯采用优质冷轧硅钢片绕制，并经退火处理，铁芯与一次绕组和二次绕组一起用环氧树脂浇注成型。本系列互感器耐污秽、耐潮性能良好。二次接线端子处有接线保护端子盒，端子盒有三个不同出线方向，接线方便，并能实现防尘，防窃电措施。

This series of voltage transformers is of epoxy pouring whole sealing insulation structure. Encircled by cold rolled silicon steel strap and through annealing process, the iron core, together with primary winding and secondary winding, is formed by pouring epoxy. This transformer owns excellent dirt-proof and moisture resistant performances. Secondary connecting terminal is equipped with connecting protective terminal box, which has 3 different outlet directions. It is convenient in wiring, dirt-proof and thief-proof.

技术参数 Technical parameter

额定绝缘水平 Rated insulation level: 12/42/75kV

额定电压 Rated voltage: 10kV

额定频率 Rated frequency: 50Hz

额定负荷功率因素 Rated load power factor: 0.8(滞后Lag)

LDZ(J)-10GY 电压互感器

LDZ(J)-10GY Voltage transformer

Key of Power
Electric Professional
>

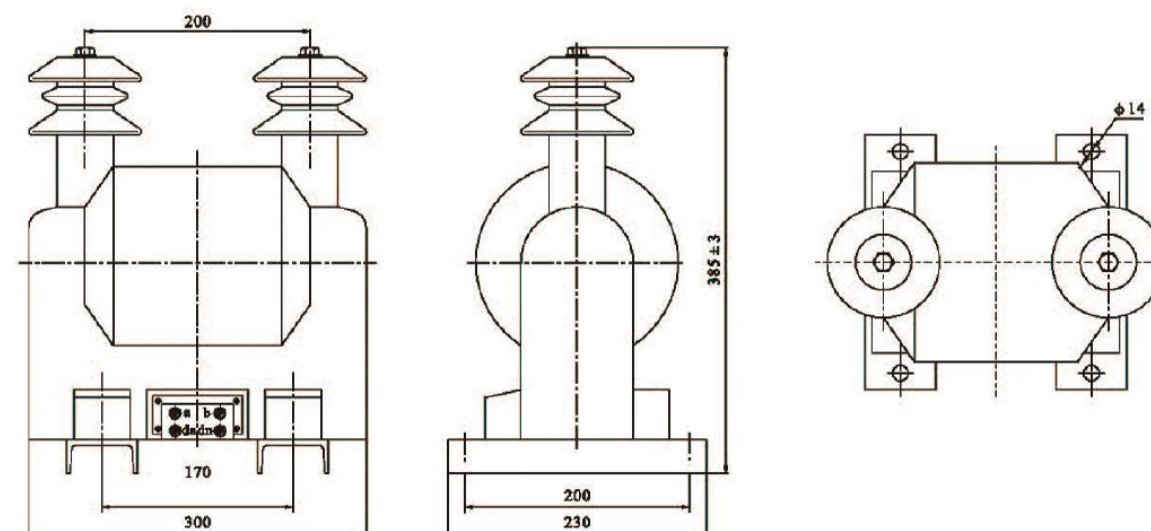
额定二次输出及其相应准确级见表1 Refer to Table 1 for rated secondary output and corresponding class of accuracy

型号 Type	额定电压比(V) Rated voltage ratio(V)	准确级额定输出(VA) Accurate class and rated output			极限输出 ultimate output(VA)
		0.2	0.5	1	
JDZ-10GY	10000/100	40	80	240	600
JDZJ-10GY	10000/√3/100/√3/100/3	20	40	180	1000

JDZJ-10GY 感应耐压见表2 Refer to Table 2 for induced withstand voltage

型号 Type	额定电压比(V) Rated voltage ratio(V)	感应耐受电压kV(有效值) Induced withstand voltage kV(r.m.s)	试验频率 Test frequency (Hz)	试验时间 Test time (S)
JDZJ-10GY	10000/√3/100/√3/100/3	28	150	40

外形及安装尺寸图 Outline and installation dimension



JDZ(X)(F)8-35W 户外电压互感器

JDZ(X)(F)8-35W Outdoor voltage transformer

Key of Power
Electric Professional
>

概述 Summary

本系列户外电压互感器为户外环氧树脂浇注绝缘全封闭结构，适用于额定频率50Hz或60Hz，额定电压35kV的电力系统中，作电能计量、电压监测和继电保护用。本产品符合IEC60044及GB20840.3-2013《电压互感器》标准。

This series outdoor voltage transformers are of full cast-resin insulated used outdoors. They are used for electric energy metering; voltage control and relay protection in the electric system rated frequency 50Hz or 60Hz and rated voltage 35kV. The transformers can be executed according to the standards IEC60044 and GB20840.3-2013.

型号含义 Type designation



使用条件 Operating conditions

- 环境温度过: -25℃~+40℃
- 污秽等级: IV级。
- Ambient temperature: -25℃~+40℃
- Antipollution class: IV Class

技术参数 Technical parameter

- 技术参数表
- 局部放电水平符合GB20840.3-2013《电压互感器》标准。
- Technical data form
- Partial discharge is in line with GB20840.3-2013 Voltage Transformer.

JDZ(X)(F)8-35W 户外电压互感器

JDZ(X)(F)8-35W Outdoor voltage transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

型号 Model	额定电压比 Rated voltage Ratio (V)	额定输出Rated output(VA)			极限输出 Ultimate output(VA)	额定绝缘水平 Rated insulation level(KV)
		0.2	0.5	6P		
JDZ8-35W	35000/100	60	150		1000	40.5/80/200
JDZF8-35W	35000/100/100	40	40		2 × 500	
JDZX8-35W	35000/√3/100/√3/100/3	50	90	100	1000	
JDZXF8-35W	35000/√3/100/√3/100/3/√3/100/3	30	30	100	2 × 500	

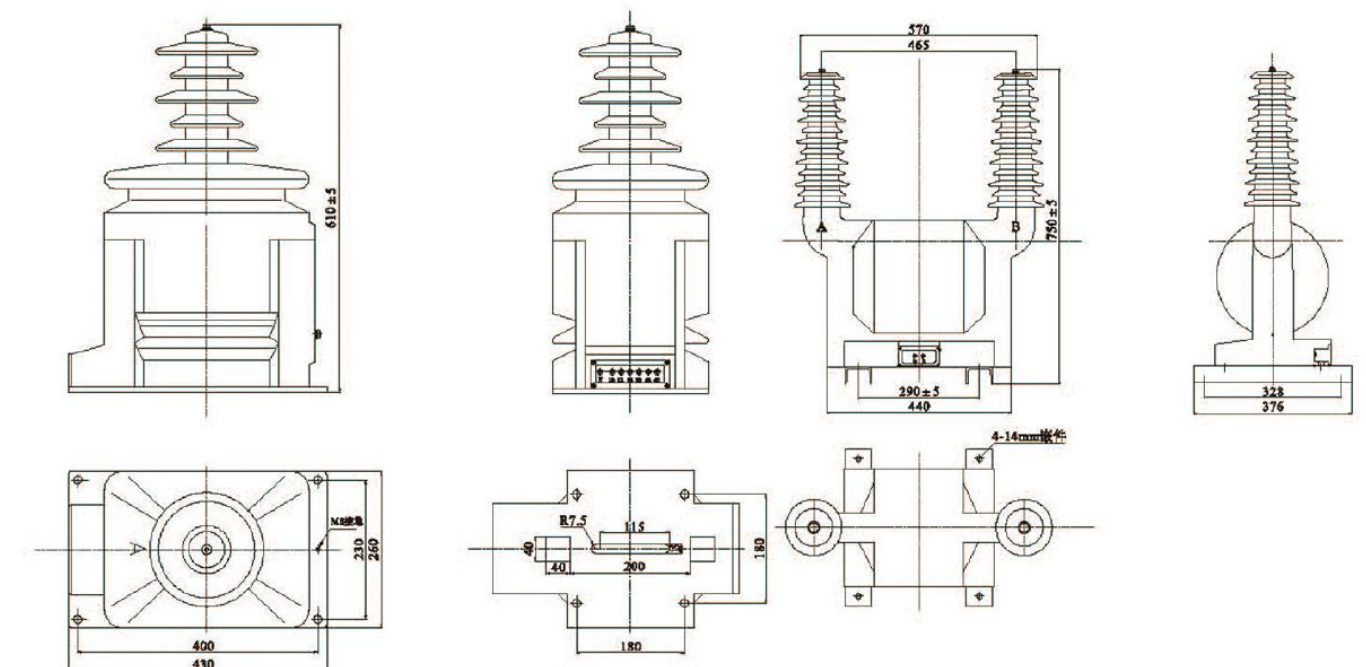
注意事项:

- 使用时二次绕组不许短路及超负荷运行。
- JDZX8-35W、JDZXF8-35W为半绝缘结构，只能进行感应耐压试验；开关柜进行工频试验时，应将互感器与开关柜断开。

Notice:

- During operating, the secondary wiring can't be short-circuited or over loaded.
- The voltage transformers of type JDZX8-35W and JDZXF8-35W are semi insulated. Only induction voltage test to this product is allowed; When the switch cabinet goes on working-frequency voltage test. The transformer must be cut off from the switch cabinet.

外形及安装尺寸图 Outline and installation dimension



High oil-immersed transformer

➤ 高压油浸式互感器



LJW,LJWD-10,35 电流互感器

LJW,LJWD-10,35 Current transformer



概述 Summary

本产品系单相油浸户外式电流互感器，用于交流系统50Hz、35kV网络上，作测量及保护之用。

This product is a single-phase oil-immersed outdoor type current transformers for AC system 50Hz, 35kV network, for measurement and protection purposes.

工作条件 Operating conditions

本型互感器允许在额定电流120%的情况下长期运行。适用于海拔高度不超过4000米，周围气温最大变化不超过-25℃~+40℃的地区。

This type of transformer allows long-term operation at 120% rated current conditions. Does not apply to more than 4000 meters above sea level, the largest changes in the surrounding temperature does not exceed -25℃~+ 40℃ in the region.

技术参数 Technical parameter

型号 Type	电压等级 Voltage class (kV)	额定电流比 Rated current ratio(A)	计量0.2级、容量 $\cos\phi=0.8$ Measurement Class 0.2, capacity(VA)	继保1级容量 Capacity for Class 1 relay protection	重量 Weight (kg)
LJW-10	10	5~400/5	10~15	无继保无监控 without relay protection or monitoing	21
LJW-35	35	5~600/5	30~50	无继保无监控 without relay protection or monitoing	64
LJWD-10	10	5~400/5	10~15	15~(30)	28
LJWD-35	35	5~600/5	30~50	30~(50)	83

LJW,LJWD-10,35 电流互感器

LJW,LJWD-10,35 Current transformer

Key of Power
Electric Professional
>

外形及安装尺寸图 Outline and installation dimension

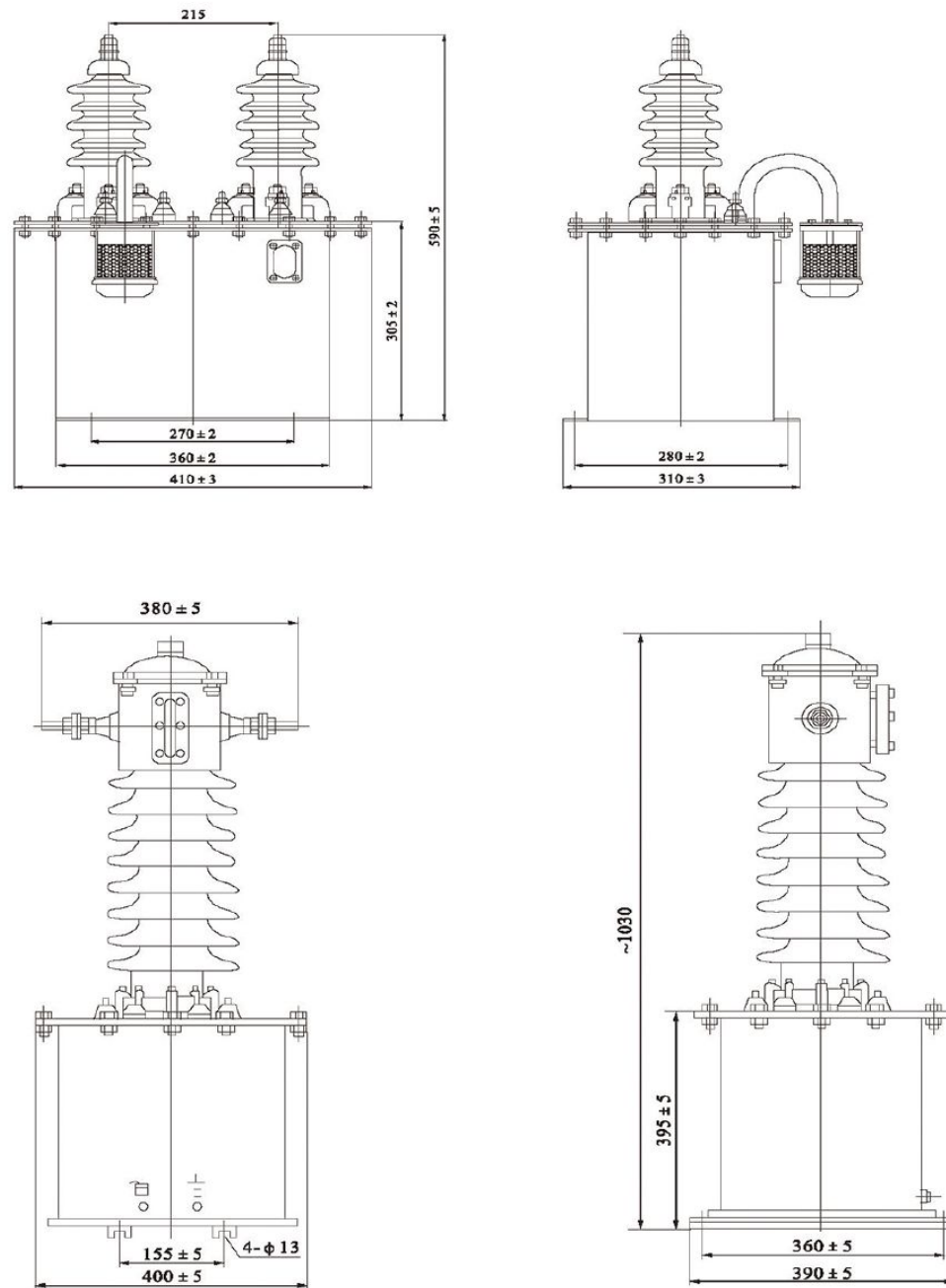


图4 LJW(D)-35外形及安装尺寸图
Fig4 Overall and installation dimension of LJW(D)-35

LB6-35 电流互感器

LB6-35 Current transformer

Key of Power
Electric Professional
>

概述 Summary

LB6-35型电流互感器为油纸绝缘、户外用、全密封型电流互感器，供35kV，额定频率为50Hz的交流电力系统中作电流、电能测量及继电保护之用。

LB6-35 current transformer is oil-paper insulation, outdoor, sealed-type current transformer for 35 kV, rated frequency 50 Hz AC power system for current, energy measurement and relay protection purposes.

型号含义 Type designation



使用条件 Conditions of use

1. 环境温度（周围气温自然变化值）Ambient temperature (ambient temperature changes in natural value)

最高气温：+40℃(Maximum temperature: +40℃)

最高日平均温度过：+30℃ (It had the highest average daily temperature: +30℃)

最低气温：-30℃(Minimum temperature: -30℃)

2. 海拔高度Altitude

互感器安装地点的海拔高度不超过4000米。Transformer installation site altitude of not more than 4000 meters.

3. 环境介质 Environmental Media

互感器安装场所应无严重影响互感器绝缘的气体、蒸气、化学沉积、灰尘、污垢及其它爆炸性和侵蚀性介质。

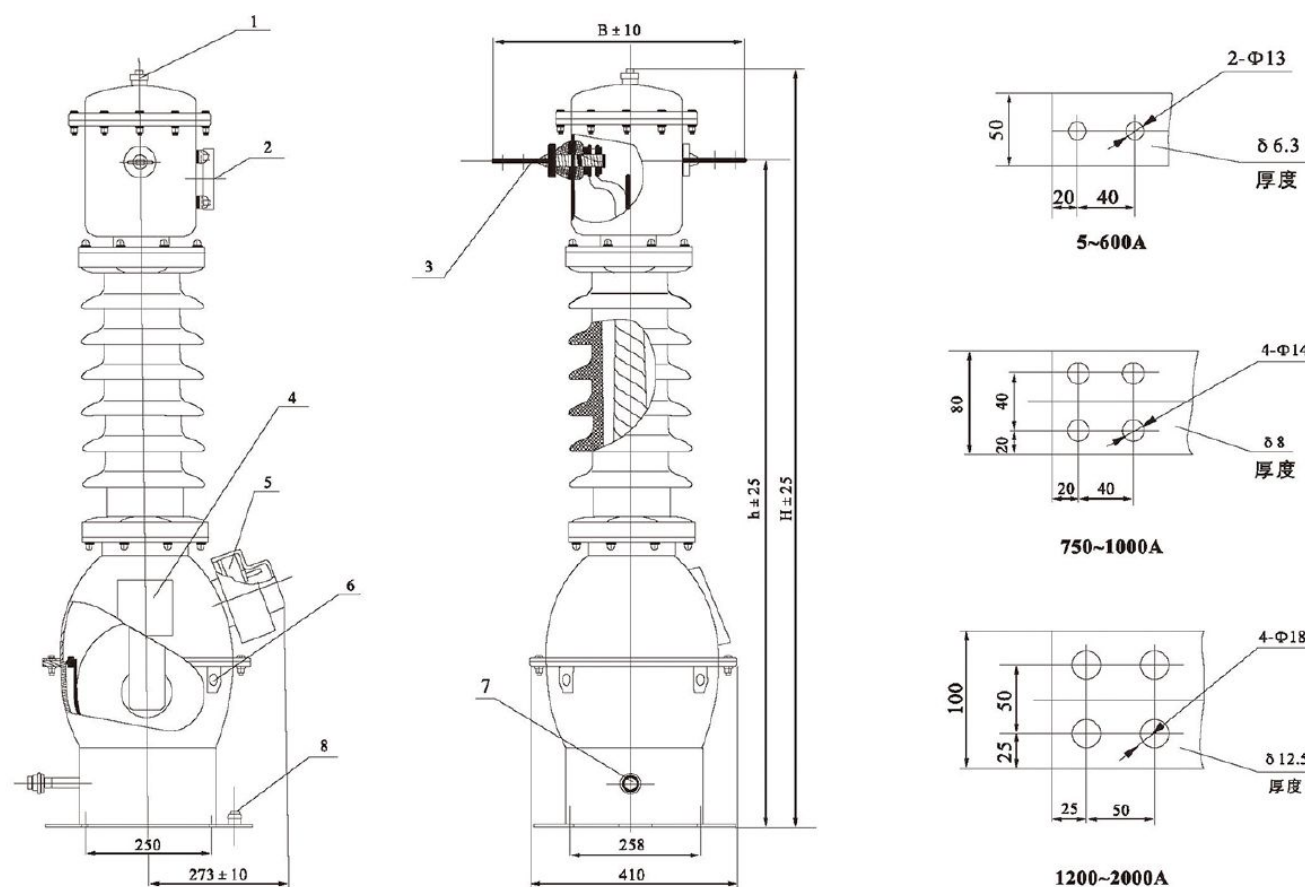
Transformer installation site should not seriously affect the transformer insulation gas, steam, chemical deposition, dust, dirt and other explosive and etching medium.

LB6-35 电流互感器

LB6-35 Current transformer

Key of Power
Electric Professional
>

外形及安装尺寸图 Outline and installation dimension



额定一次电流 Rated primary current(A)	5-75A	100-600A	750-1000A	120-1500A	120-1500A
B	508		548	588	658
h		1315			1335
H		1475			1495

LB6-35 电流互感器

LB6-35 Current transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

表1 LB6-35型电流互感器的额定二次负载、10P级准确限值系数、最大二次电流倍数及二次绕组阻抗

Table 1 Rated secondary load, Class 10P accuracy limit factor, multiple of maximum secondary current and impedance of secondary winding for LB6-35 current transformer

额定一次电流 Rated primary current (A)	准确级次 Accuracy grade	额定二次负载(Ω) Rated secondary load in $\cos \phi = 0.8$	10P级准确限值系数 Class 10P accuracy limit factor
5,10,15,30, 50,75,150,750	0.2S 0.2 0.5 10P10 10P20	1.6 1.6 1.2	20 20
20,40,100, 200,400,800	0.2S 0.2 0.5 10P10 10P20	1.6 1.6 1.2	20 20
1000	0.2S 0.2 0.5 10P10 10P20	1.6 1.6 1.2	20 20
300,600,1200	0.2S 0.2 0.5 10P10 10P20	1.6 1.6 1.2	20 20
1500	0.2S 0.2 0.5 10P10 10P20	1.6 1.6 1.2	20 20
2000	0.2S 0.2 0.5 10P10 10P20	1.6 1.6 1.2	20 20

LB6-35 电流互感器
LB6-35 Current transformer

Key of Power
Electric Professional
>

表2 LB6-35型电流互感器的短路确定电流
Table 2 Short circuit standing current of LB6-35 current transformer

额定一次电流 Rated primary current (A)	1S 热稳定电流(有效值) Thermal stability current for 1s (Effective value)(kA)	动稳定电流(峰值) Dynamic stability current(Peak value) (kA)	额定一次电流 Rated primary current (A)	1S 热稳定电流(有效值) Thermal stability current for 1s (Effective value)	动稳定电流(峰值) Dynamic stability current(Peak value) (kA)
5	0.5	1.28	75	7.5	19.13
10	1.0	2.55	100	10	25.5
15	1.5	3.83	150	15	38.25
20	2.0	5.1	200	20	51.0
30	3.0	7.65	300	30	75.5
40	4.0	10.2	400, 600, 750, 800, 1000, 1200, 1500, 2000	400	102.0
50	5.0	12.75			

表3 LB6-35型电流互感器允许的温升
Table 3 Temperature rise allowed for LB6-35 voltage transformer

部位 Parts	温升限值 Temperature rise limit	测量方法 Measuring method
绕组 Winding	55	电阻法和温度计法 Resistance and thermometer method
铁芯及其他结构零件表面 Surfaces of iron core and other constructed parts	55	热电偶法和温度计法 Thermocouple and thermometer method
绕组出头或接触连接处 Winding tap or contact joint	50	热电偶法和温度计法 Thermocouple and thermometer method
油顶层 Top of oil	50	温度计法 Thermometer method

LCWD,LCWD1,LCWQ,LCWQD-35 电流互感器
LCWD,LCWD1,LCWQ,LCWQD-35 Current transformer

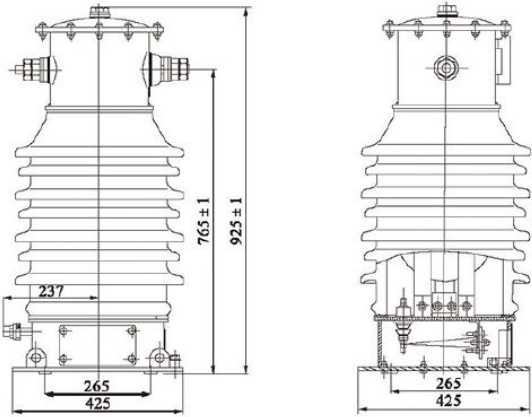
Key of Power
Electric Professional
>



概述 Summary

LCWB-35型电流互感器适用于50Hz的电力系统中作测量及继电保护之用，系统的线电压为35kV。
产品的安装场所为户外，安装高度海拔1000m以下，周围气温的最大变化范围为-30℃~+40℃，但不适宜安装在带有腐蚀性气体反导电尘埃的场合中。
LCWB-35 with current transformer for measurement and protection, the system is applicable to 50Hz power system line voltage is 35kV.
Product installation site for outdoor installation height of 1000m above sea level, the maximum variation range of ambient air temperature of -30℃~+40℃, but not suitable for installation in the case of conductive dust with an anti-corrosive gas in.

外形及安装尺寸图 Outline and installation dimension



I1n	M(mm)	a(mm)
15~400	M22 × 1.5	40
600	M27 × 1.5	50
800~1000	M30 × 1.5	60
1200~1500	出线排 outlet bank	

LCDW,LCWD1,LCWQ,LCWQD-35 电流互感器

LCWD,LCWD1,LCWQ,LCWQD-35 Current transformer

Key of Power
Electric Professional
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JDX-10 型电压互感器

JDX-10 Voltage transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

表1 LCW-35、LCWD-35、LCWQ-35及LCWQD-35型电流互感器的10P级准确限值系数、最大二次电流倍数及二次绕组阻抗。
Table2 Grade 10P accurate limiting value factor, max. Multiple of secondary current and secondary winding impedance for LCW-35, LCWD-35, LCWQ-35, LCWQD-35 current transformer.

型号及级次组合 Type and accuracy grade combination	额定一次电流 Rated primary current (A)	准确级次 Accuracy grade	额定二次负载 cos φ =0.8 Rated secondary load (Ω)	10P 级准确 限值系数 Grade 10P accurate limit factor	最大二次电流倍数 (在额定二次负载时) Max. Secondary current multiple (at rated secondary load)	二次绕组阻抗 Secondary winding imped- ance (Ω)
LCW-35	15~1000	0.2S 0.5 10P	1 2 2	28 5	35 12	0.7 0.5
LCWD-35 LCWQD-35	15~750,1000	0.2S 0.5 10P	1.0 1.2 1.2	15 15	25 28	0.5 0.8
LCW-35	15~600	0.2S 0.5 10P	1.0 1.2 1.2	15 30	25 35	0.5 0.56
LCWD-35 LCWQD-35	15~600	0.2S	0.8	35	45	0.56
	750	0.2 0.5	0.8	35	50	0.67
	1000	10P	0.8	50	55	0.94

表2 LCW-35、LCWD-35、LCWQ-35及LCWQD-35型电流互感器的短路稳定电流。
Table3 Short circuit standing current of LCW-35, LCWD-35, LCWQ-35, LCQD-35 Current transformer .

型号 Type	额定一次电流比 Rated primary current ratio (A)	1S热稳定电流（有效值 kA） 1S thermal standing current (kA effective value)	动稳定电流（峰值 kA） Dynamic standing current (Peak value) (倍数) (Multiple)
LCW-35	15~1000	90In	150In
LCWD-35	15~750	65In	100In
LCWD-35	1000	65In	150In
LCWD-35 LCWQD-35	15~600	65In	100In

质量：总质量270kg，油质量40kg。
Mass: Total 270kg, Oil 40kg.



概述 Summary

本型电压互感器为单相户内油浸产品。具有容量大、精度高、绝缘可靠等特点，二次绕组有三个，分别作为计量、监控、零序保护作用。计量、监控分开，互不干扰，充分发挥各自性能。

This voltage transformer is single phase, oil-immersed product for indoors. It has many merits, such as big capability, high precision, etc. There are three secondary windings, they are used as measurement, monitoring, zero-sequence protection. The measuring and monitoring windings are separated. Fully exert their functions. Not interfere each other.

型号含义 Type designation



结构 Structure

本型电压互感器为单相油浸式结构，铁心经热处理的冷轧取向硅钢片迭装而成，并利用铁心夹件将器身固定在箱盖下。四个线圈均绕成同心式，高压两端绝缘水平不同，A端为高压绝缘，由高压瓷套管引出，N端由小瓷套引出接地。

The voltage transformer is single phase and oil immersed structure. The iron core is piled up of the silicon steel sheet. The body is fixuped bellow the cover of the box with the core clip. The winding is reeled with concentric type. There are different insulated levels of two high voltage ends. The terminal of "A", high voltage insulation, is led out from porcelain bushing. The terminal of "N", being earthed, is led out from small porcelain sheath.

技术参数 Technical parameter

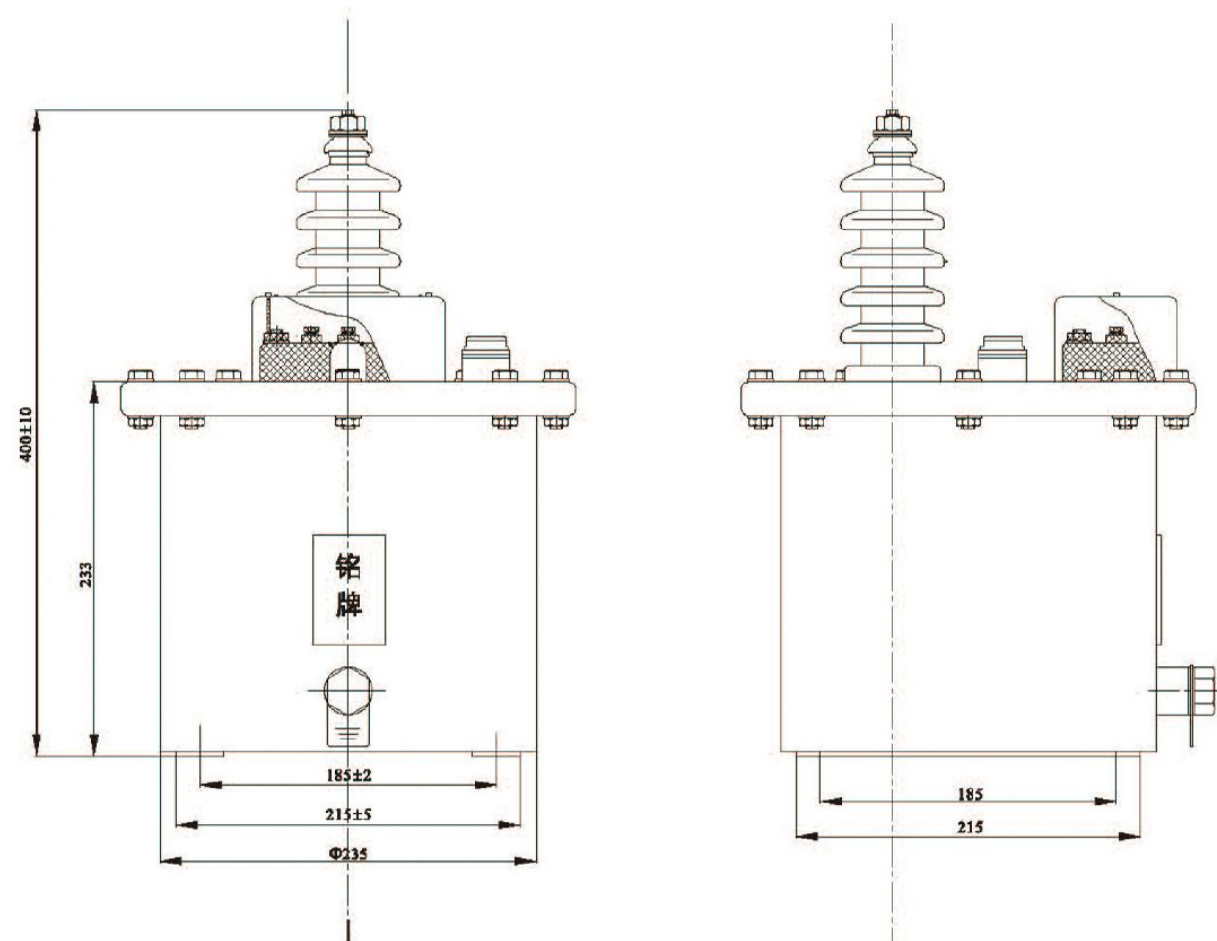
额定电压比 Rated voltage ratio (V)	准确级及额定输出 Accuracy class and rated output(VA)			极限输出 Ultimate output (VA)	额定绝缘水平 Rated insulated level(kV)
	0.2	0.5	3P		
10000/√3/100/√3/100/√3/100/3	20	25	50	500	12/42/75

JDX-10 型电压互感器

JDX-10 Voltage transformer

Key of Power
Electric Professional
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外形及安装尺寸图 Outline and installation dimension



JDX-6、10外形及安装尺寸图
Overall and installation dimension drawing of JDX-6、10

JDJ-3,6,10 户外电压互感器

JDJ-3,6,10 Outdoor voltage transformer

Key of Power
Electric Professional
>



概述 Summary

DJ型产品为油浸式不接地电压互感器，供额定频率为50Hz的电力系统中作电压，电能测量及继电保护用。本型电压互感器共有JDJ-6、JDJ-10两种。

DJ products for the oil-immersed ungrounded voltage transformer for rated frequency 50Hz power system's operating voltage, power measurement and relay protection. This type of voltage transformer total JDJ-6, JDJ-10 two kinds.

型号含义 Type designation



使用条件 Conditions of use

1. 安装地点的海拔不超过4000m;
 2. 环境温度为-5℃~+40℃;
 3. 空气相对湿度不大于85%(20℃);
 4. 本产品已通过直接振动试验，能承受相当于里氏九级裂度的速度为0.4g正弦三波的耐振试验。
1. The installation site altitude does not exceed 4000m;
2. Ambient temperature is -5℃~+40℃;
3. Air relative humidity less than 85% (20℃);
4. This product has passed the direct vibration test, can withstand the equivalent of nine on the Richter degree of crack resistance to vibration test speed of 0.4g 3 sine wave.

JDJ-3,6,10 户外电压互感器

JDJ-3,6,10 Outdoor voltage transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

型号 Type	额定电压比 Rated voltage ratio (V)	额定输出 Rated output(V)				最大容量 Max. capacity (VA)	
		0.2级 Class	0.5级 Class	1级 Class	3级 Class		
JDJ-6	3000/100 6000/100	20 30	30 50	50 80	200	240 400	24 32
JDJ-10	10000/100	30	80	150	320	640	42

外形及安装尺寸图 Outline and installation dimension

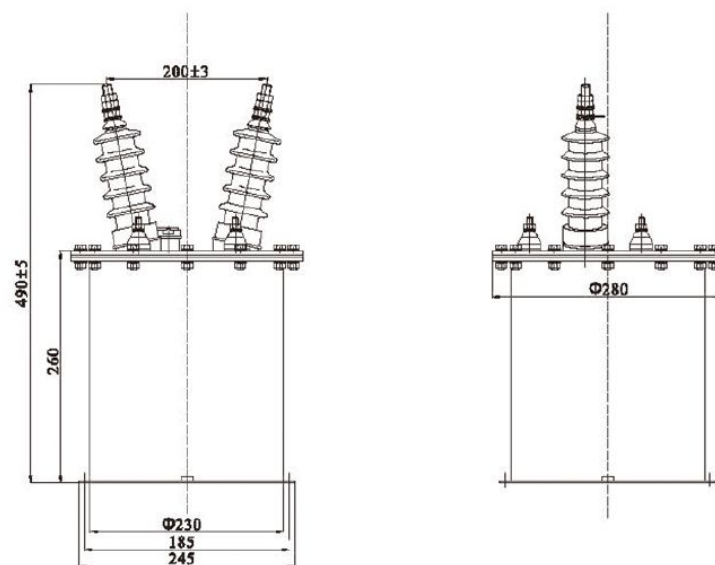


图1 JDJ-6、10外型及安装尺寸
Fig3 Overall and installation dimension of JDJ-6,10

JDJ(J)2-35,JD(X)N2-35 电压互感器

JDJ(J)2-35,JD(X)N2-95 Voltage transformer

Key of Power
Electric Professional
>



概述 Summary

本系列电压互感器为单相油浸产品，适用于额定频率50Hz或60Hz、额定电压35kV及以下的电力系统中，作电能计量、电压监控和继电保护用。

The voltage transformer of the type JDJ(J)2-35 is single phase and oil-immersed product. It is used for electric energy metering, voltage control and relay protection in the electric system of rated frequency 50Hz or 60Hz and rated voltage 35kV.

型号含义 Type designation



结构 Structure

本系列电压互感器的铁心由条形硅钢片叠成，为三柱芯式，器身用铁夹件固定在箱盖上，在箱盖上装有一次及二次套管等，油箱用钢板焊成，油箱壁下部装有接地螺栓及放油塞，箱底有四个安装孔。

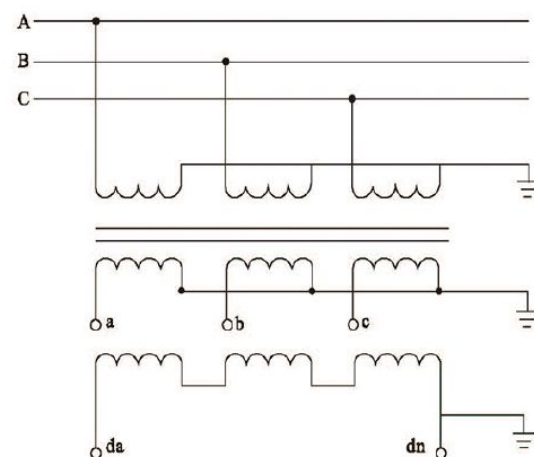
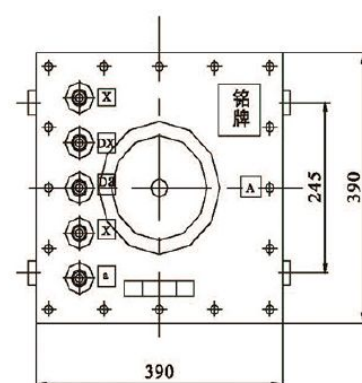
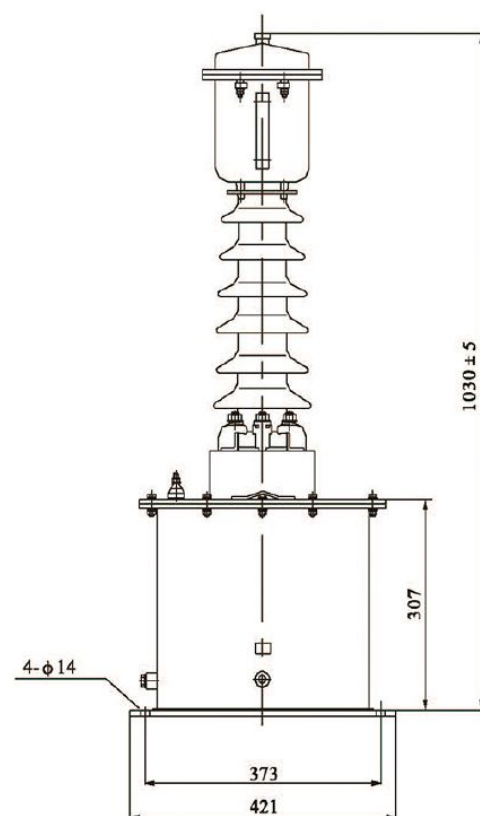
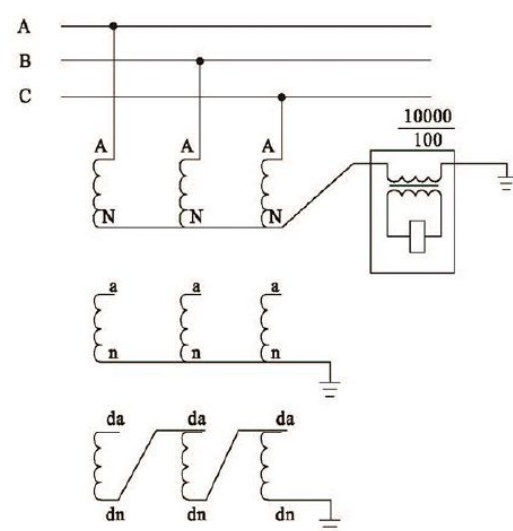
This voltage transformer has three poles and the iron core is made of silicon steel sheet. The body is fixed on the box cover by clamps. There have the primary and secondary bushing also on the box cover. The oil box is made of steel sheet by welding, there are earth studs and oil drain plug on lower part of box wall, and four mounting holes in the bottom.

JDJ(J)2-35,JD(X)N2-35 电压互感器

JDJ(J)2-35,JD(X)N2-95 Voltage transformer

Key of Power
Electric Professional
>

外形及安装尺寸图 Outline and installation dimension

JDJ2-35常规接线图
Regular wiring diagram for JDJ2-35JDJ2-35抗谐振三相线路接线图
Wiring diagram for JDJ2-35 anti-resonance three-phase circuit.

JDJ(J)2-35,JD(X)N2-35 电压互感器

JDJ(J)2-35,JD(X)N2-95 Voltage transformer

Key of Power
Electric Professional
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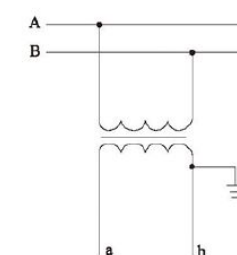
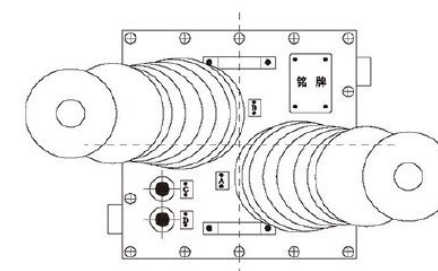
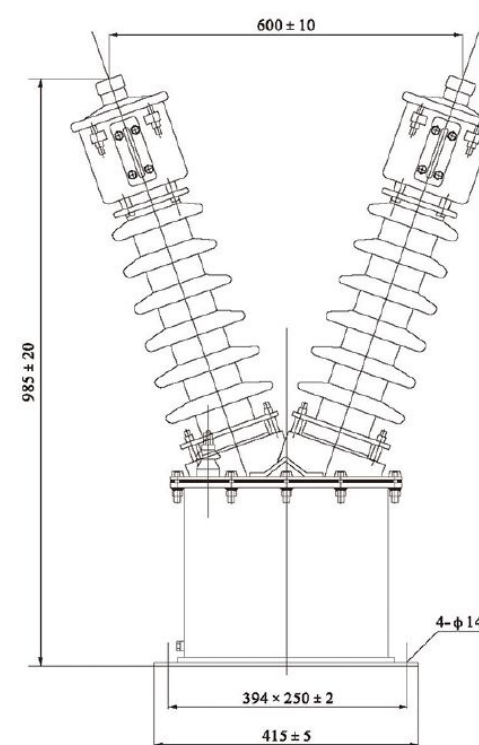
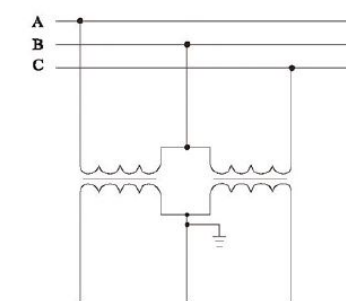
技术参数 Technical parameter

1. 额定绝缘水平 Rated insulation level: 40.5/95/200kV

2. 技术参数表 Technical data form

型号 Type	额定电压比 Rated voltage ratio(V)	额定输出 Rated output (VA)				极限输出 Ultimate output(VA)
		0.2	0.5	1	6P	
JDJ2-35	35000/100	75	150	250		1000
JDJJ2-35	35000/√3/100/√3/100/3	75	150	250	100	
	35000/√3/100/√3/100/√3/100/3	30	60		100	2 × 500

外形及安装尺寸图 Outline and installation dimension

JDJ2-35
单相线路接线图
Wiring diagram for single-phase circuitJDJ2-35
三相线路接线图
Wiring diagram for three-phase circuit

JSJW-3,6,10户内性电压互感器

JSJW-3,6,10 Indoor type voltage transformer

Key of Power
Electric Professional
>



概述 Summary

本型电压互感器为三相三绕组油浸式五铁芯柱的户内型产品，适用于交流50Hz、10kV及以下线路，供测量电压、电能和功率以及继电保护用。

This type of voltage mutual inductors is three-phase three-winding oil-immersed Product with five iron-core poles, it is suitable for power system with AC 50Hz and rated voltage 10KV or below to measure voltage, electric energy and protect relay.

结构 Structure

本型电压互感器的铁芯采用带有旁铁轭的芯式结构，由条形硅钢片叠成，每相有三个绕组即剩余电压绕组、二次绕组及一次绕组，其接线见图3-1-22。剩余电压绕组绕在绝缘纸筒上，外面包以绝缘纸板。再在绝缘纸板的外面绕制二次绕组。最后，将一次绕组分段绕在二次绕组外面的角环上，一次绕组的最外层均放有静电屏，并用纸板和直纹布带扎紧。三个绕组构成一体，ABC三相共有三组绕组分别套在铁芯中间的三个铁芯柱上。

器身用铁芯夹件固定在箱盖上，箱盖上装有高低压出线瓷套、铭牌、吊攀及带有呼吸孔的注油塞。油箱用钢板焊成，呈圆筒形，箱壁上部焊有吊起整个互感器的吊攀，下部装有接地螺栓和放油塞。箱底由钢板剪成八角形，其上备有4个安装孔。

The iron-core of this voltage transformer employs side-iron structure, made of stripe silicon steel plate. Every phase has three windings: residual voltage winding, secondary winding and primary winding. The wiring diagram, please refer to Diagram 3-1-22. The residual voltage winding is wound onto an insulated paper sleeve and wrapped with insulated paper board, the secondary winding is wound onto the paperboard, then wound the primary winding onto the square ring outside of the secondary winding. The outer of the primary winding has electrostatic shield respectively and wrapped with paperboard and cloth. The three phases of A, B and C totally have three winding, wound onto three iron poles of the iron-core.

The transformer is fixed on the cover of tank by clamp, the cover of tank has high- and low-voltage output porcelain sheathes, nameplate, hanger and oil-feed plug with inhale hole. The circular barrel shaped oil tank is welded with steel plate and has a hanger on the upper wall of the tank for lifting up the transformer, the lower wall of the tank has grounding bolt and oil-discharge plug. The octagonal bottom of tank is made of steel plate and has four installment holes.

JSJW-3,6,10户内性电压互感器

JSJW-3,6,10 Indoor type voltage transformer

Key of Power
Electric Professional
>

技术参数 Technical parameter

型号 Type	额定电压比 Rated voltage ratio (V)	额定输出 Rated output(V)			电压线圈的最大输出 Max.output of voltage coil (VA)	工频耐压 Power frequency withstand voltage (KV)
		0.5级 Class	1级 Class	3级 Class		
JSJW-3	3000/√3 100/√3 100/√3	50	80	150	320	24
JSJW-6	6000/√3 100/√3 100/√3	80	150	320	640	32
JSJW-10	100/3/√3 100/√3 100/√3	120	240	480	960	42

注：1.在一次绕组施加三相平衡的额定电压，剩余电压绕组开口三角形接有200VA($\cos \phi = 0.8$)负载的情况下，当一次绕组任何一相在接线端和中点短接时，则开口三角形端电压应为：

(1) 二次绕组接有0.5级额定负载时为 $100 \pm 10V$ 。

(2) 二次绕组空载时为 $100 \pm 3V$ 。

2.互感器能在115%倍额定电压下长期运行。

Note:

1. Under condition of primary winding applied three-phase balance rated voltage and residual voltage winding under open "△" connecting with 200VA ($\cos = 0.8$) load, when the wiring terminal of any phase of primary winding is short-circuit with neutral point, the terminal voltage of open "△" should be:

(1) $100 \pm 10V$ when the secondary winding is connected with grade 0.5 rated load;

(2) $100 \pm 3V$ when the secondary winding is empty load.

2. The transformer can work with long-term under condition of 115% of rated voltage.

外形及安装尺寸图 Outline and installation dimension

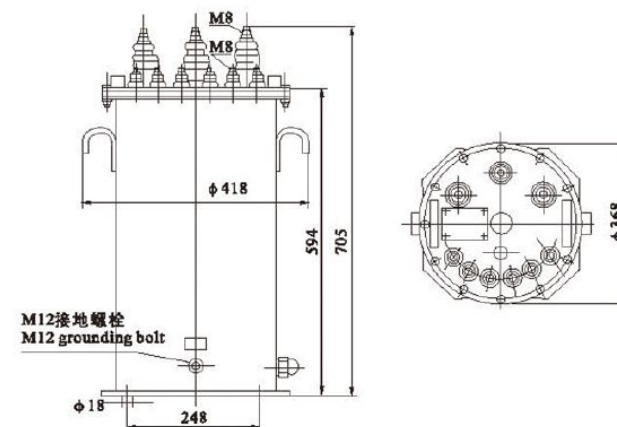


图1 JSJW-6外型及安装尺寸图
Fig1 Overall and installation dimension of JSJW-6

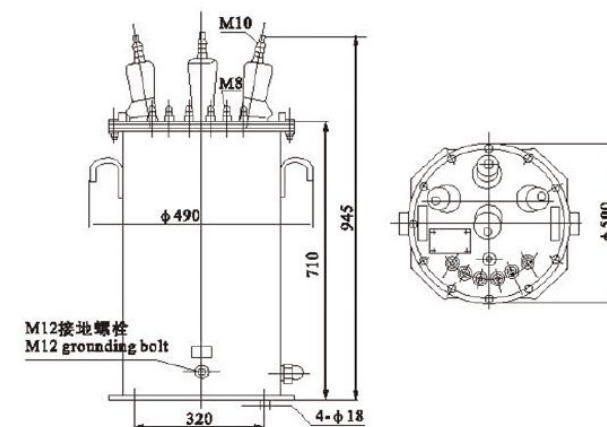


图2 JSJW-10外型及安装尺寸图
Fig2 Overall and installation dimension of JSJW-10

JSJV-3,6,10(W) 型油浸式三相电压互感器

JSJV-3,6,10(W) Type oli-Immersed three-phase voltage transformer

Key of Power
Electric Professional
>

概述 Summary

本型互感器是将两台单相电压互感器按V接线方式合成一体的三相油浸式电压互感器，二次输出a、b、c端子供仪器仪表做测量使用，并设有供CT8操动机构，作电源用的绕组，二次110V、220V即为向操动机构电机供电输出端子，油箱为扁桶式，体积小，安装方便。

本型电压互感器主绕组可替代JDJ型单相电压互感器用两台V型接线方式的电气测量和电能计量，其辅助绕组极限输出为1100VA。单纯使用主绕组的电气测量和电能计量使用时，辅助绕组开路即可。

This type transformer is combined with two single-phase voltage transformers in "V"-shape and form a three-phase oil-immersed voltage transformer, the secondary output terminals a, b and c are used for measurement, also has CT8 operating mechanism and winding used for power supply, the secondary terminals 110V and 220V are output terminals for operating mechanism motor, the oil tank is oblate barrel type, so with small bulk and easy to install.

The main winding of this voltage transformer can substitute model JDJ single-phase voltage transformer to measure electric energy, the Ultimate output of subsidiary winding reaches 1100VA. The subsidiary winding should be open-circuit state if only use main winding to measure electric energy.

型号含义 Type designation



结构 Structure

本型电压互感器为内铁型铁芯，用冷轧高导磁硅钢片叠装成三柱式铁芯框，两边柱套有两个单相电压互感器绕组，接线方式为V/V-12，供GT8型弹簧操作机构的电压绕组在两边柱上，其一边柱为110V绕组，另一边柱为220V绕组。油箱为扁桶圆桶式，体积小，安装方便，本型电压互感器的出线标记为：一次绕组出线A、B、C，二次绕组出线为a、b、c，辅助绕组出线为0、110、220，当一次绕组加有电压时，二次绕组不得短路，否则互感器将被烧毁。

This model voltage transformer applies inner iron-core, the three-pole iron-core is made of cold rolling silicon steel plate with high magnetic inductivity, the two side-poles have two single-phase winding for voltage inductor, the wiring mode is V/V-12, the voltage winding used for model GT8 spring operating mechanism are on the two side-poles, the one side-pole is 110V winding and the other is 220V winding, the oil tank is oblate barrel type, so with small bulk and easy to install. The wiring mark for this voltage inductor list as below: A, B and C for primary winding output; a, b and c for secondary winding output; "0, 110 and 220" for subsidiary winding output. The secondary winding should not short-circuit when the primary winding has voltage applied on it, or the transformer will burn out.

JSJV-3,6,10(W) 型油浸式三相电压互感器

JSJV-3,6,10(W) Type oli-Immersed three-phase voltage transformer

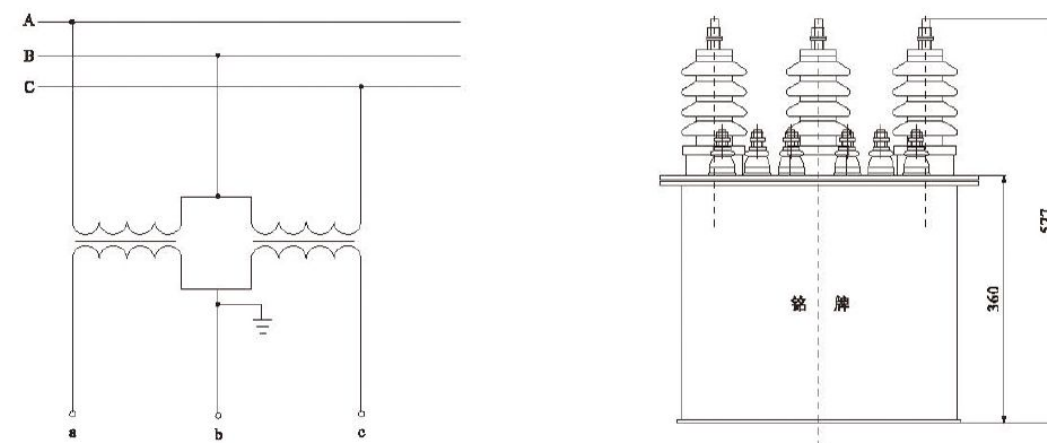
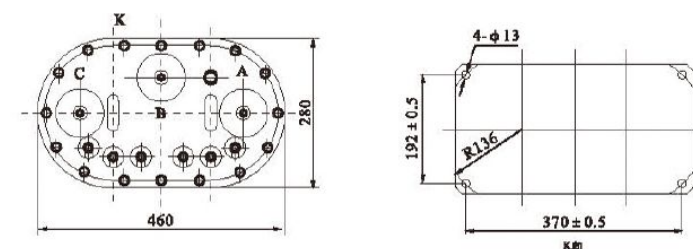
Key of Power
Electric Professional
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技术参数 Technical parameter

- 1、产品标准: GB20840.3-2013《电压互感器》;
 - 2、负载功率因数: $\cos\phi=0.8$ (滞后);
 - 3、产品表面爬电比距满足 II 级污秽等级;
 - 4、其它技术参数见下表:
1. Standard: GB20840.3-2013 Voltage Transformer
 2. Power factor of load: $\cos\phi=0.8$ lagged
 3. The creepage age of product surface comply with grade II pollution.
 4. Other technical parameters please refer to table below .

型号 Type	额定电压(V) Rated voltage	准确级组合 Accurate grade combination	额定输出(VA) Rated output				极限输出 (VA) ultimate output	额定绝缘水平 Rated insulation level
			0.2	0.5	1	3		
JSJV-3(W)	2000/100 3000/100	0.5或1或3 0.5or1or3		140	250	500	1000	3.6/25/40
JSJV-6(W)	6000/100	0.2或0.5 1或3 0.2or0.5 1or3	80	140	250	500	1000 500	7.2/32/60
JSJV-10(W)	1000/100	0.2或0.5 1或3 0.2or0.5 1or3	80	140	250	500	1000 500	12/42/75

外形及安装尺寸图 Outline and installation dimension

JSJV-10三相线路接线图
Wiring diagram for model JSJV-10 three-phase circuit

JSJB-3,5,10 电压互感器

JSJB-3,6,10 Voltage transformer

Key of Power
Electric Professional
>



概述 Summary

本型电压互感器为三相双绕组油浸式户内型产品，适用于交流50Hz、10kV及以下线路，供测量电压、电能和功率以及继电保护用。

This voltage transformer is of three-phase double-winding oil-immersed indoor type, suitable for power system with AC 50Hz, rated voltage 10KV or below to measure voltage, electric energy and protect relay.

结构 Structure

本型电压互感器为三相双绕组油浸式，铁芯为内铁式，由三个柱组成。电压互感器的三相绕组分别装设在三个柱上，油箱为圆筒形，瓷套均在箱盖上引出，器身固定在箱盖上，油面距离箱盖内面10~15mm。

本型电压互感器接线见图3-1-19。一次绕组接成Z形，即以每相绕组与匝数较少的另一相补偿绕组连接，这样接法是为了提高互感器的准确级次，从而减少互感器的误差，二次绕组接成Y型，并将中线引出。

This voltage transformer is three-phase double-winding oil-immersed type, its inner iron-core consists of three poles, the three windings are separately mounted on these three poles, the oil tank is circular barrel type, the porcelain sheath is led out from the tank cover, the transformer is fixed on the cover, the oil level is about 10-15mm inner of cover of tank.

Please refers to Diagram 3-1-19 for wiring. The primary winding is connected with Z-shape, i.e. Every winding connecting to other subsidiary winding with less number of turns. This connecting method can improve the accuracy class and decrease error of transformer, the secondary winding is connected with Y-shape and the neutral wire should be led out.

技术参数 Technical parameter

型号 Type	额定电压(V) Rated voltage		二次绕组额定容量 Rated capacity for secondary winding (VA) (COS Φ=0.8)			二次绕组极限容量 Ultimate capacity for secondary winding (VA)	绕组连接组号 mark of winding connection group	重量 weight (kg)
	一次绕组 Primary winding	二次绕组 Secondary winding	0.5级Grade	1级Grade	3级Grade			
JSJB-6	6000	100	80	150	320	640	Y/Y0-12	48
JSJB-10	10000	100	120	200	480	960		105

注：1.高低压的相序应为A-B-C，a-b-c，否则准确级次有异。

2.本型电压互感器能在115%额定电压下长期运行。

Note: 1. The phase sequence for high- or low-voltage is A-B-C and a-b-c, or the accuracy should be different.

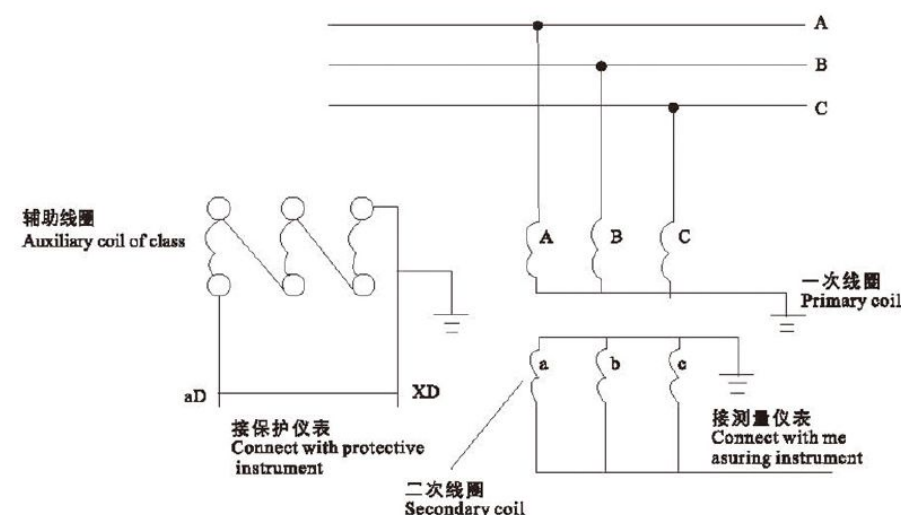
2. This type of voltage transformers can work with long-term under condition of 115% of rated voltage.

JSJB-3,5,10 电压互感器

JSJB-3,6,10 Voltage transformer

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接线图 Wiring diagram



外形及安装尺寸图 Outline and installation dimension

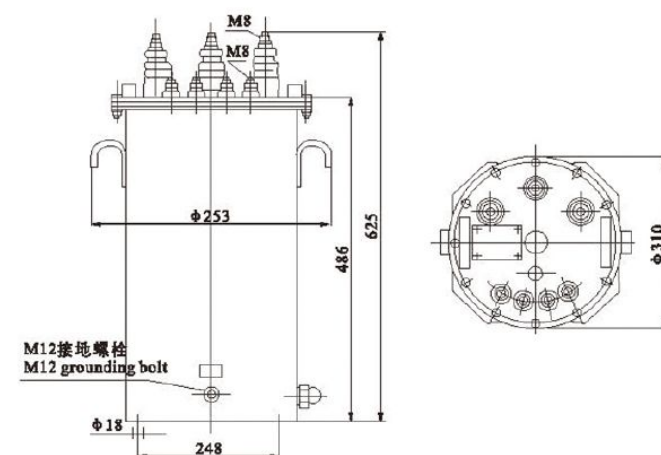


图1 JSJB-6 外型及安装尺寸图
Fig1 Overall and installation dimension of JSJB-6

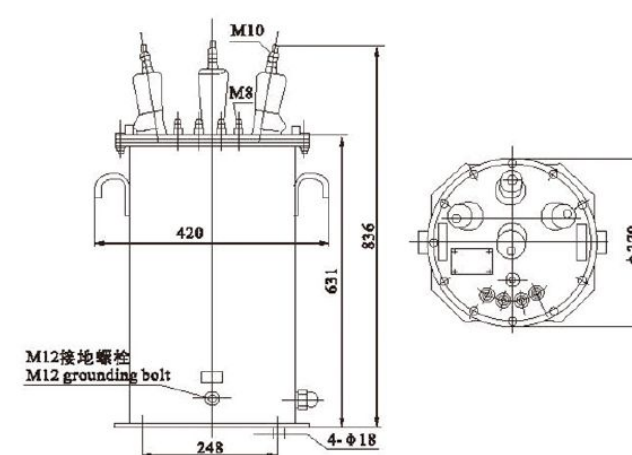


图2 JSJB-10 外型及安装尺寸图
Fig2 Overall and installation dimension of JSJB-10

JSZW-10 户外型电压互感

JSZW-10 Outdoor voltage transformer

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概述 Summary

JSZW-10型电压互感器供额定频率50Hz, 额定电压为10kV及以下的中性点非有效接地电力系统中作电压、电能测量和继电保护之用。

JSZW-10 three-phase five-pole type voltage transformer is used for measurement of voltage and electric energy as well as relay protection in neutral ineffective earthing electric system of rated frequency 50Hz and rated voltage 10KV or below.

型号含义 Type designation



结构 Structure

本型互感器的为三相五柱式, 由条形冷轧硅钢片迭装而成。其中间三柱分别套入A、B、C三相线圈, 另二柱铁芯相地间短路时产生零序磁通, 每相的线均由一次线圈, 二次线圈及零序电压线圈构成, 一次线圈分为两段, 段间由绝缘纸圈隔开, 一次线圈与二次线圈均按Y0接线, 零序电压线圈, 接在成开口三角形。

This transformer is of three-phase five-pole type, laminated with cold rolled silicon steel strap. Respectively insert three-phase coils A,B and C into its central three mandrils. Zero-sequence magnetic flux will be caused due to the earthing short circuit of other two iron mandrils. The wire in each phase wire consists of primary coil, secondary coil and zero-sequence voltage coil. Primary coil is divided into 2 sections and separated by isolation washer in the middle. Connect the wires of primary coil and secondary coil according to Y0. Connect the zero-sequence voltage coil to open triangle.

JSZW-10 户外型电压互感

JSZW-10 Outdoor voltage transformer

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1、互感器的零序电压线圈性能如下:

在一次线圈施加三相平衡的额定电压, 零序电压线圈开口三角接有200VA($\cos \phi = 0.8$)负荷的情况下, 当一次线圈任何一相线端和中点短接, 则开口三角形为:

- (1)二次线圈接在0.5级额定负荷时为 $100 \pm 10V$;
- (2)二次线圈接在110%倍额定电压下长期运行。

1、The zero-sequence voltage coil performances of transformer are as follows:

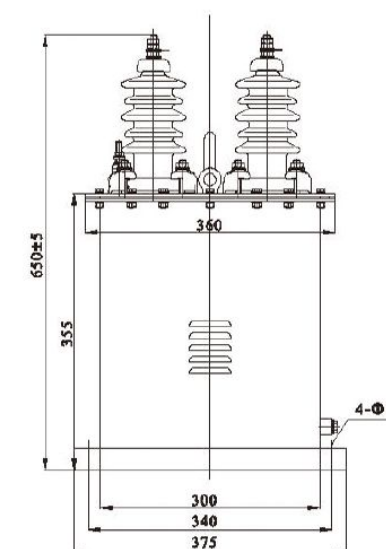
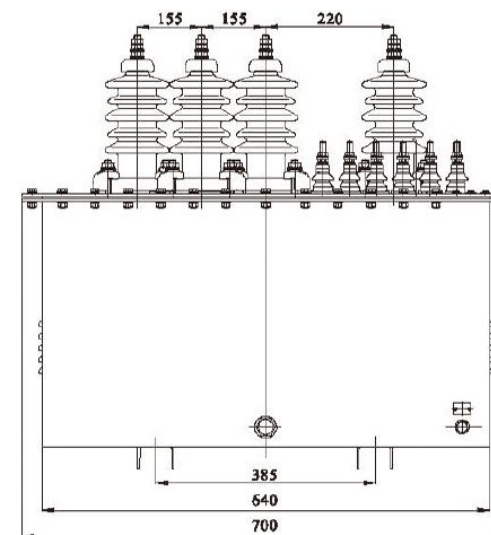
Apply three-phase balance rated voltage to primary coil. When zero-sequence voltage coil open triangle is connected with 200VAload($\cos \phi = 0.8$) and short circuit of any phase wire end and midpoint of primary coil occurs, then the open triangle will be:

- (1) $100 \pm 10V$ when secondary coil is connected with class 0.5 rated load;
- (2)Secondary coil can operated for long time under 110% of rated voltage.

技术参数 Technical parameter

型号 Type	额定电压比 Rated voltage ratio (V)	额定输出 Rated output(V)			电压线圈的最大输出 Max.output of voltage coil (VA)	工频耐压 Power frequency withstand voltage (KV)
		0.5级 Class	1级 Class	3级 Class		
JSJW-3(Q)	3000/ $\sqrt{3}$ /100/ $\sqrt{3}$ /100/ $\sqrt{3}$	50	80	150	320	24
JSJW-6(Q)	6000/ $\sqrt{3}$ /100/ $\sqrt{3}$ /100/ $\sqrt{3}$	80	150	320	640	32
JSJW-10(Q)	10000/3/ $\sqrt{3}$ /100/ $\sqrt{3}$ /100/ $\sqrt{3}$	120	240	480	960	42

外形及安装尺寸图 Outline and installation dimension



JSJW-10户外型 Outdoor

JSJV-35GYW1 型电压互感器

JSJV-35GYW1 Voltage transformer

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概述 Summary

本系列电压互感器为三相油浸全绝缘产品，适用于额定频率50Hz或60Hz、额定电压35kV的电力系统中，作电能计量、电压监测和继电保护用。

The voltage transformer is three phase and oil-immersed product. It is used for metering energy, voltage control protection in the electric system of rated frequency 50Hz or 60Hz and rated voltage 35kV.

型号含义 Type designation



结构 Structure

本系列电压互感器由两台单相电压互感器接成 "V" 型，且置于一个箱体内，器身用夹件固定在箱盖上，箱盖上装有一次及二次套管等，油箱用钢板焊成，油箱壁下部装有接地螺栓及放油塞，箱底有四个安装孔。

This voltage transformer is made of two single-phase voltage transformer connected "V" type, and played in same box. The body is fixed on the box's cover with clamp, primary and secondary bushings are mounted on box cover, the oil tank is welded with steel plate, there is a grounding bolt and oil-drain plug mounted at the lower part of oil tank, and there are four mounting holes at the bottom of oil tank.

JSJV-35GYW1 型电压互感器

JSJV-35GYW1 Voltage transformer

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技术参数 Technical parameter

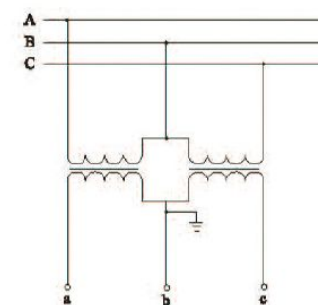
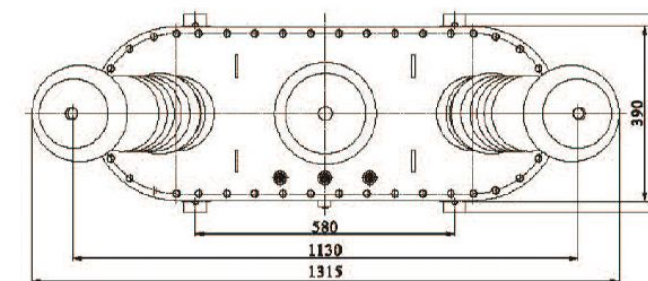
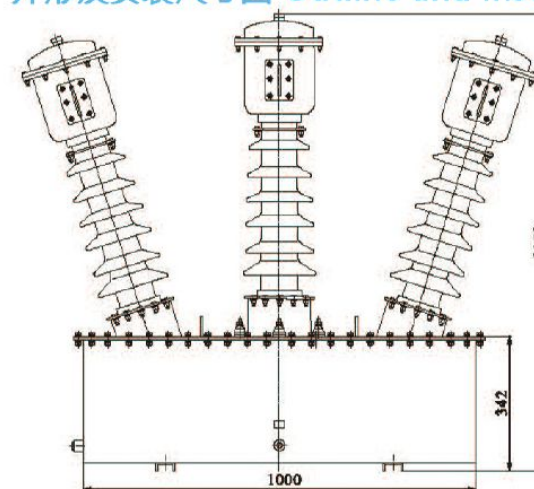
1. 额定绝缘水平 Rated insulated level: 40.5/85/185kV

2. 技术参数表 Technical data form

3. 污秽等级: II 级 Antipollution class: II class

额定电压比 Rated voltage(V)	准确级及相应的额定输出 Accuracy class and corresponding rated output(VA)		极限输出 ultimate output(VA)
	0.2	0.5	
35000/100	50	80	200
35000/100/100	25	30	500

外形及安装尺寸图 Outline and installation dimension



JSJV-35三相线路接线图
Wiring diagram of JSJV-35 three-phase circuit