

# Medium voltage voltage transformer JDZ23-10(3/6)

## Type designation

Type code	Designation	Net weight
J	Voltage transformer	27 kg
D	Single phase	
Z	Cast epoxy resin	
23	Design sequence	
10(3/6)	Rated voltage	



## Technical data

Type	Rated transformation ratio (kV)	Accuracy combination	Rated output (VA)	Limit output (VA)	Rated insulation level (kV)
JDZ23-3	3/0.1	0.2	30	500	3.6/25/40
	6/0.1	0.5	100		
	10/0.1	1.0	200		
JDZ23-6	3/0.1/0.1	0.2/0.5	20/30	500	7.2/32/60
	6/0.1/0.1	0.5/0.5	50/50		
	10/0.1/0.1	1.0/1.0	100/100		
JDZ23-10	3/0.22	3.0	500	500	12/42/75
	6/0.22				
	10/0.22				

Notes: 1. Special demands (if any) of user can be determined after consulting ABB Guangdong Sihui Instrument Transformer Co., Ltd.

2. The parameters on the table above are possible combinations, for more specific parameters please contact ABB Guangzhou Sihui Instrument Transformer Co., Ltd.

## Product description

The indoor JDZ23-10(3/6) voltage transformer of epoxy resin cast insulated and totally-enclosed structure is intended for power measurement, current monitoring, relay protection and power supply in the line of up to 12 kV and AC 50-60 Hz.

- It is applicable to air insulated switchgear
- It conforms to GB 1207 and IEC 60044-2 standards

## Service conditions

- Installation site: indoor
- Ambient temperature: -15°C ~ +40°C, daily average temperature not more than +30°C
- Altitude: does not exceed 1,000 m
- Humidity: the average value of the relative humidity measure for a period of 24 h does not exceed 95 percent
- Contamination severity: class II
- No severe shake or bump in the installation site
- The ambient air is not significantly polluted by dust, smoke, corrosive gases, vapours or salt

## Structure overview

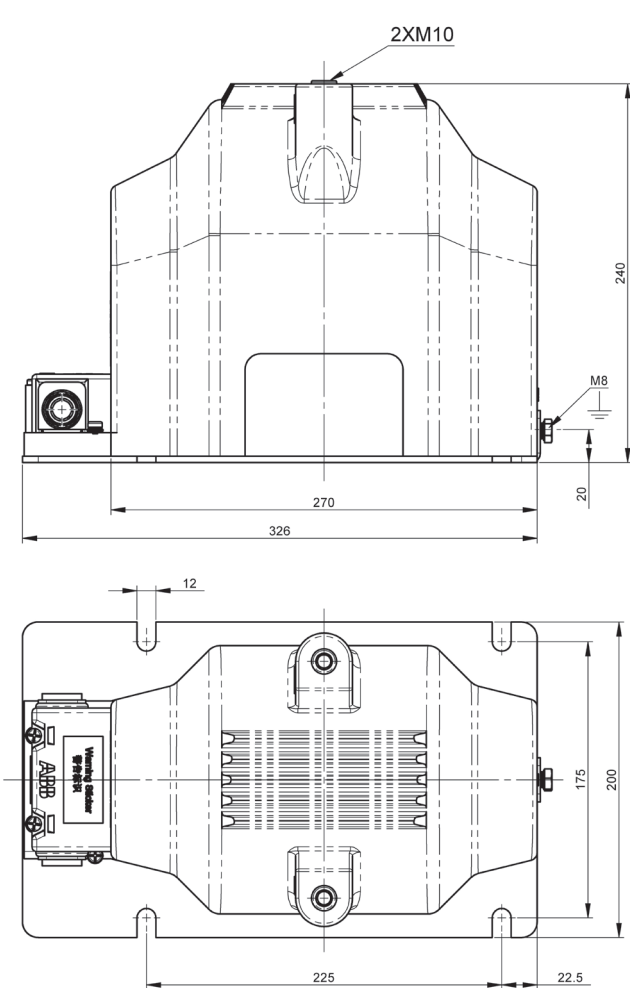
- This voltage transformer is epoxy resin cast insulated
- The primary outlet terminal identification is A and B; the secondary is a, b or 1a, 1b, 2a, 2b

## Technical data

- Rated voltage 10 kV, max. voltage 12 kV:  
Primary to secondary winding and to earth, power-frequency withstand voltage 42 kV/1 min  
Secondary to secondary winding and to earth, power-frequency withstand voltage 3 kV/1 min  
Induced withstand voltage of primary to secondary winding and to earth 30 kV/40 s
- Full lighting impulse withstand voltage 75 kV

Other parameters are specified in accordance with GB 1207 and IEC 60044-2.

## Profile and dimensions



## Instrument transformer marking details

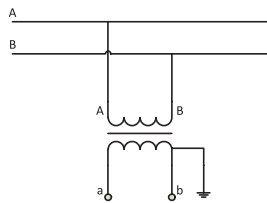


Figure 1 Double pole one metering

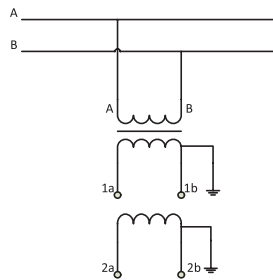


Figure 2 Double pole VT with two metering

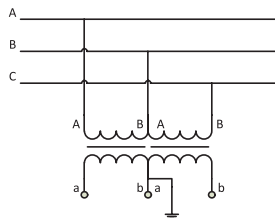


Figure 3 Double pole VT with one metering

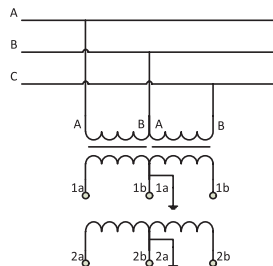


Figure 4 Double pole VT with two metering

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