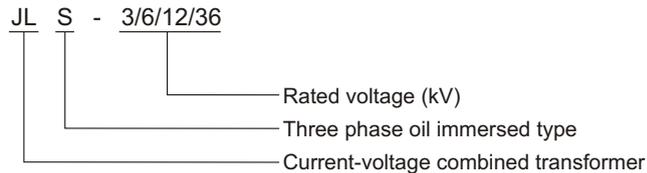


JLS-3/6/12/36 Combination Instrument Transformer

Summary

The JLS-3/6/12/36 combined instrument transformers have four versions with different voltages 3/6/12/36 kV. The transformers are designed for three phase electric systems of rated frequency of 50/60Hz. The products are used in metering electric energy, voltage controlling and relay protection applications.

Model



Technical specification

1. Rated voltage: 6kV/12kV/36kV
2. Accuracy class: 0.5/0.2 and 0.5S/0.2S
3. Rated voltage ratio: 6k/100; 1k/100; 3300/100
4. Rated current ratio: 5 ~ 300/5
5. Note: The products may be custom manufactured to a higher ratio.
6. More parameters are displayed in the following table.

type	Rated voltage ratio (V)	Rated current ratio (V)	Frequency (Hz)	Voltage transformer accuracy class and rated output (VA)		Current transformer accuracy class and rated output (VA)		Rated insulation level (kV)	Standard code
				0.2	0.5	0.2	0.5		
JLS-3	3000/100	5~300/5	50	20	25	10	10	3.6/24/75	GB1208-97
JLS-6	6000/100	5~300/5	50	20	25	10	10	7.2/32/75	
JLS-12	6300/110	5~300/5	50	20	25	10	10	7.2/32/75	GB1207-97
	10000/100	5~300/5	50	25	25	10	10	12/42/75	GB17201-97
JLS-36	36000/100	5~300/5	50	50	50	10	10	10.5/95/185	

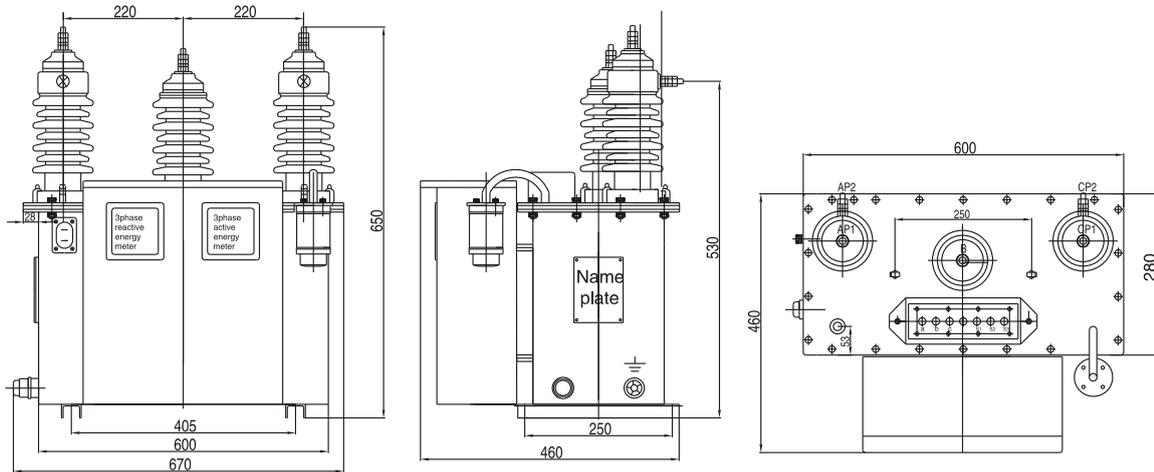
Structure feature

The product mainly consists of combined instrument transformer and watt-hour meter. The combined transformer is equipped with two or three single phase VT and CT units. The transformer is insulated in 25# transformer oil. The outlet terminals of primary and secondary windings are encapsulated in porcelain bushing and fixed on the panel. Watt-hour meter tank is fixed on the flank of combined instrument transformer and comprises one active watt-hour meter and reactive watt-hour meter. The products are reliable, accurate, light and convenient in installation. They are also designed against stealing electricity.

1. The product is cast in epoxy resin.
2. The transformers are equipped with primary winding and secondary winding. The windings are fixed to the iron core bar by casting.
3. For the two secondary windings, the first one is for either measuring or protection purposes; the other is for being connected into an open-delta connection in a three-phase system.
4. The outlet of the primary winding is insulated from the earth to a correspondent level.
5. The secondary terminal board is covered with a transparent cover made of plastic.
6. The bolted earthed clamp is located on the transformer base plate.
7. The transformer is fixed onto the base plate by four screws.

Outline dimension

JLS-6,12 Outline dimension



JLS-36 Outline dimension

