JLSZV-12 (W) Combination Instrument Transformer

Summary

The JLSZV-12(W) is combined voltage and current instrument transformers. The product is used in three-phase systems of rated frequency of 50/60Hz and rated voltage of 12kV. The product is alternative to JLSJW-12 oil-immersed combination transformer.

Model

JL S Z V - 12 W

- W — Rated voltage (kV)
- 12 — Design number
- V — With residual voltage winding
- Z — Casting insulated
- S — Single phase
- JL — Voltage transformer

Product application

The products are provided for metering electric energy, voltage controlling and relay protection. The rated frequency of the electric systems should be 50/60Hz. The products are suitable for outdoor transformer substations in rural areas, as well as for industrial services. It is alternative to JLS-12 oil immersed combination transformer.

Technical specification

1. rated voltage: 3 × 6kV; 3 × 12kV; 3 × 35kV
2. accuracy class: 0.5, 0.2, 0.5S and 0.2S
3. rated voltage ratio: 6k/100; 12k/100; 35k/100
4. rated current ratio: 1~1k/5 A (two type: single ratio and double ratio)
5. Primary wiring of double measuring tank: P1, P2 are heavy current ratio while P1, P3 are high current ratio.
6. Rated burden:
   a) PT components: 15, 25 and 50 VA
   b) CT components: 10, 25 and 30 VA.

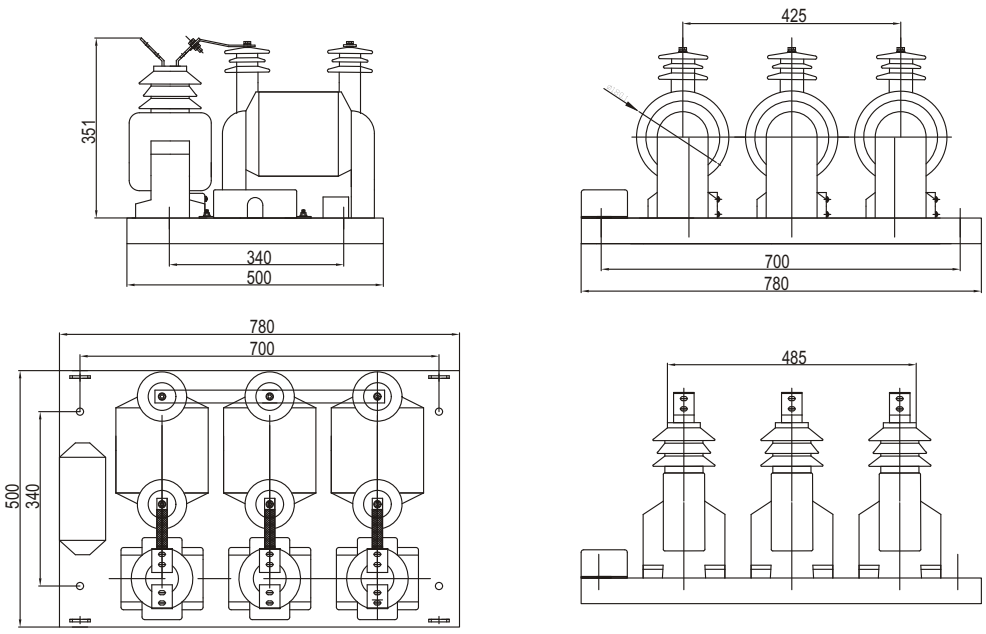
Rated primary current	Rated short-time thermal current (kA virtual value)	Rated dynamic current (kA peak value)	Limit output (VA)			
			0.2	0.2s	0.5	0.5s
5-10	1.0	2.5	10		15	
10-20	1.5	3.75				
15-30	2.4	6.0				
20-40	3.0	7.5				
30-60	4.5	11				
40-75	8.0	20				
50-100	9.0	22.5				
75-150	12	30				
100-200	16	40				
150-300	24	60				
200-400	32	80				
300-600	60	100				
400-800	80	100				
500-1000	80	100				

Structure feature

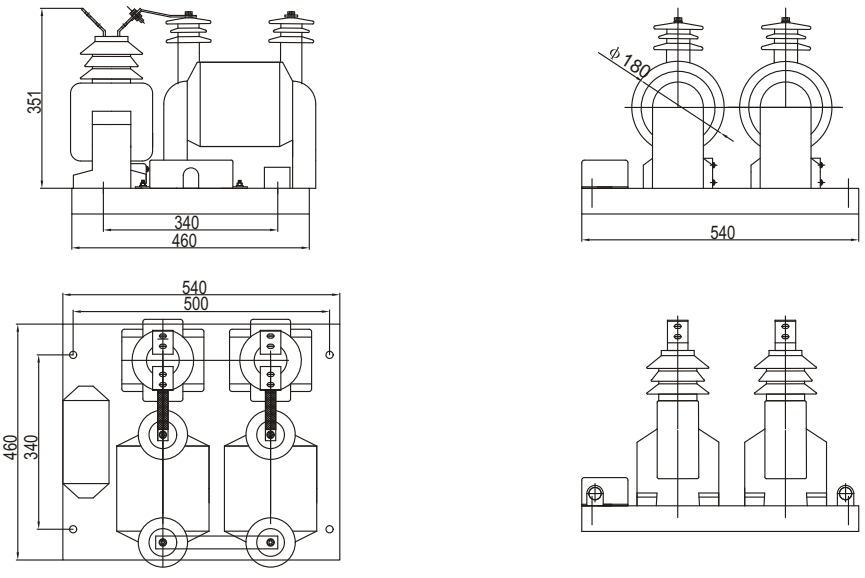
The transformer is outdoor cast in epoxy resin, fully enclosed and is in supporting type structure. For its special casting technique, the product is excellent in electricity-arc and UV ray resistance, long life expectancy, reliable and cost-efficient. The units are composed of two single-phase and fully insulated voltage mutual inductors, which are shaped in ‘V’. Two current mutual inductors are respectively connected to phase A or C. And the secondary windings of CT units are tapped for varying current ratios.

The outlet terminal of secondary windings is covered with a protective cover. It is convenient, safe and reliable for connecting, and efficient in prevention of stealing electricity. Four screws on the base plate are designed for fixing purpose.

Outline dimension



3 phase 4 wires 3 components



3 phase 3 wires 2 components