

LZZW-12 Current Transformer

Summary

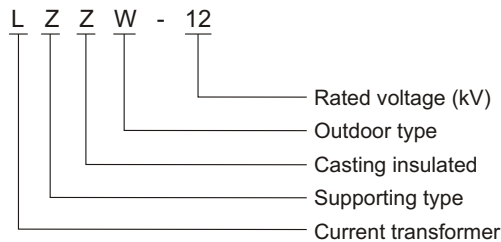
The supporting-type current instrument transformers LZZW-12 are fully enclosed and cast in epoxy resin. The transformers are designed for electric power systems of 50Hz/60Hz rated frequency and 12kV rated voltage. They are used for outdoor mounting. The performances of the products meet standards IEC60044-1 and GB1208-2006. The products are applied to metering electric energy, voltage controlling and relay protection.



Ambient condition

1. Ambient temperature: -25°C~ 40°C;
Note: By customize manufacture, the ambient temperature can be as low as -40°C.
2. Altitude: ≤1000m;
3. Pollution class: IV;

Model



Technical specification

1. Rated insulation level: 12/42/75kV.
2. Rated secondary winding current: 5A / 1A.
3. The rated current and accuracy class are displayed in the table below.
4. Partial discharge (PD) level meets standard IEC60044-1.
5. When transformer is working with computer, the lower limit of secondary load can be as low as 1VA for accuracy class 0.2 and 0.5.

Rated voltage ratio (V)	Accuracy classes combination	Rated output (VA)					1s thermal current (kA)	Rated dynamic current (kA)
		0.2S	0.2	0.5S	0.5	10P10		
50	0.2S	10	10	15	15	15	9	22.5
75							15	37.5
100	18						45	
150	25						62.5	
200	28						70	
300	40						100	
400	40						100	
500	60						130	
600	60						130	
630	60						130	

Structure feature

1. Cores and windings are cast together in epoxy resin.
2. The transformer cores are manufactured of high-grade magnetic material.
3. The transformer is fixed to the base plate by four screws.
4. The bolted earthed clamp is located on the transformer base plate.
5. The secondary terminals are covered with a protective cover.
6. As the high level of insulation, it can work normally in damp and Pollution II condition.
7. The cores and windings are cast together.
8. Three optional ways of installation, correspondent to product version of A/B/C.
9. The outlet terminals of the primary winding and secondary winding, are respectively marked as P1, P2 and S1, S2.
10. The case that, primary current runs from P1 to P2 and secondary current flows from S1 to S2 through external circuit, is called subtractive polarity. The secondary circuit should not be open, when primary current is flowing. Otherwise, a high voltage will be generated.
11. The transformers are equipped with primary winding and secondary windings. The windings are fixed to the iron core bar by casting,
12. 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.
13. The outlet of the primary winding is insulated from the earth to a correspondent level.
14. The secondary terminal board is covered with a transparent cover made of plastic.

Outline dimension

LZZW-12 Outline dimension diagrams

