

GFLZZW1-35Q

33KV OUTDOOR HIGH ACCURACY POST TYPE CURRENT TRANSFORMER

This model GFLZZW1-35Q outdoor post type current transformer is used in 36KV, 35KV, 33KV, 27KV, 25KV power system, for measuring and protection. It has been used in outdoor pole mounted and transmission line. This product has the characteristics of high efficiency and large capacity, and can be customized according to customer requirements.

For insulation and protection, the assembly is cast in hydrophobic cycloaliphatic epoxy (HCEP) using automatic vacuum pressure. The HCEP material offers superior arc track, ozone, and ultraviolet-resistive properties while maintaining physical strength. Primary and secondary use pure electrolytic copper, both winding and core have high voltage shielding processing. The hydrophobic surface properties of HCEP ensure highly reliable performance in wet, humid, or polluted environments.

It can be used for less than 36KV distribution line, Coal mine, power plant, Rail way, factories.. . The post type instrument current transformers are strictly in conformity with IEC60044, IEC 61869, ANSI/IEEE C57.13, NBR6855 etc.

Features

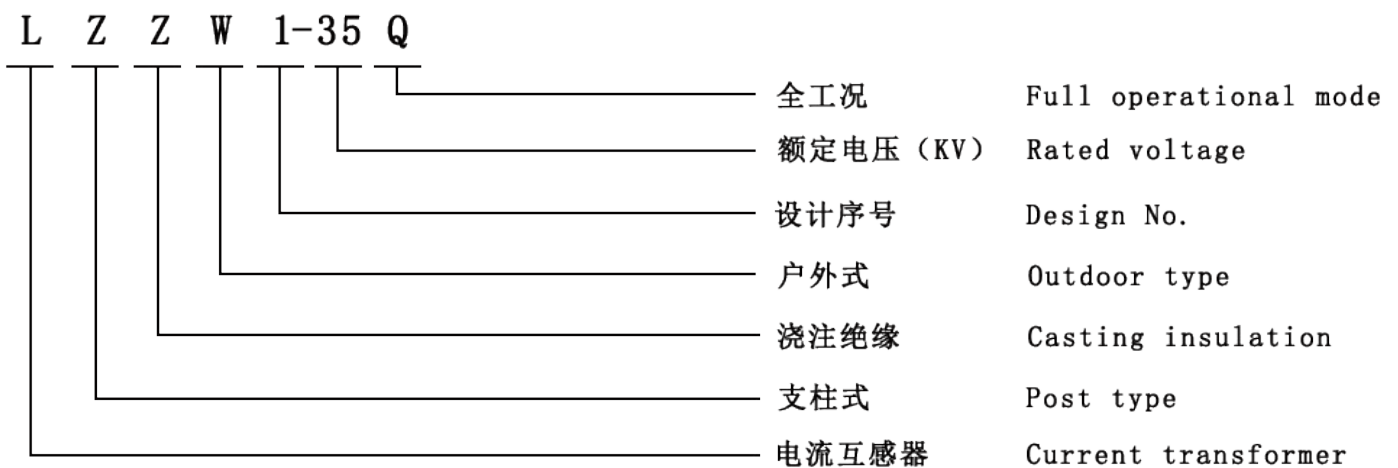
1. Weight: 80KG;
2. Using life: 30 years;
3. Post type outdoor design;
4. Rated voltages up to 36 kV;
5. Secondary current output 5A or 1A;
6. Tin plated copper primary terminals;
7. 36KV, 35KV, 33KV, 27KV, 25KV Outdoor;
8. Reasonable structure and robust construction;
9. Rated basic insulation levels (BIL) up to 200 kV;
10. Surface creepage distance more than 1300mm;
11. Material: Epoxy(HCEP) + outdoor silicone cover;
12. Standard & Special High Accuracy metering classes;
13. Convenient installation, suitable for installation in any location;
14. Accuracy class: 0.2S 0.2, 0.5S, 0.5, 1, 5P20, 5P10, 10P20, 10P15;
15. IEC60044-1, IEC 61869-2, GB/T 20840.1,2 & ANSI/IEEE C57.13 Standards;



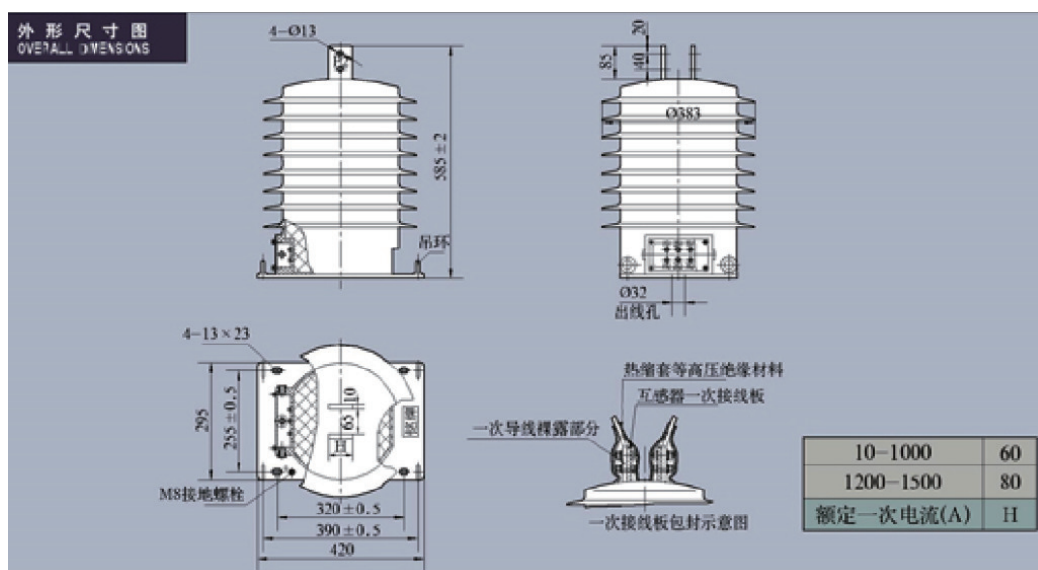
Applications

1. Rail way;
2. Coal Mine;
3. Power plant;
4. Power Meter;
5. Power station;
6. Energy meter;
7. Oil, gas company;
8. Distribution system;
9. Electric Power Bureau;
10. Measuring instrument;
11. Primary metering cabinets;
12. MV Power Quality Analyzer;
13. Substation metering and relaying;
14. Industrial and mining enterprises;

Type Designation



Outline drawing



Parameters

Technical parameters

Standards	IEC60044; IEC 61869; ANSI/IEEE C57.13, GB/T 20840.1,2
Accuracy Class	0.2s, 0.2, 0.5s, 0.5, 1, 10P10, 10P15, 5P20, 5P10
Rated Voltage	36KV, 35KV, 33KV, 27KV, 25KV
Rated primary current	20-1500A
Rated load	≤30VA
Rated frequency	50Hz or 60Hz
Rated secondary current	5A or 1A
Rated short-time thermal current	80kA, 1S
Rated dynamic current	160kA
Rated insulation level	40.5/95/200KV
Using type	Outdoor
Application	Measurement and Protection
Insulation class	E
FS	≤10
Surface creepage distance (mm)	1300

Mechanical parameters

Material	Epoxy resin+ silicone sleeve
Weight (kg)	80

Operating conditions

Operating temperature	-25°C to +55°C
Daily average temp	<+40°C
Storage temperature	-40°C to +70°C
Altitude	<3000 meters
Condition	No existence of severely begrimed, erosive and radioactive gas in the air. Permission of long-term operation under rated current.

Technical Data

Rated primary current (A)	I _{th} /I _s (KA r.m.s.)	I _{dyn} (KA peak)	Accuracy class combination	Rated secondary output(VA)						Surface creepage distance (mm)	Weight(KG)	
			1S/2S	0.2 S	0.5 S	0.2	0.5	5P1 0	5P1 5			5P2 0
10	2	5	0.2(S)/0.2(S) 0.2(S)/0.5(S) 0.5(S)/0.5(S) 0.2(S)/5P 0.5(S)/5P	10	10	15	30	50	30	20	1300	80
15	2.7	6.75										
20,25	4	10										
30	6.3	15.7										
40	8.1	20.2										
50	10.8	27										
75	16.2	40.5										
100	21.6	51.5										
150	37.8	94.5										
200,250												
300,400	54	110										
500,600	68.4	136										
750,800	95.5	190										
1000												
1200-1500	140	200										