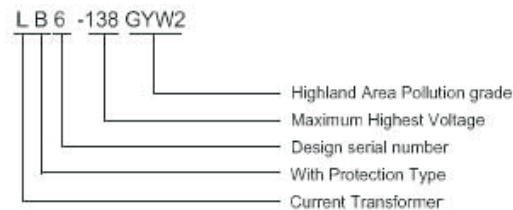


Brief Introduction

LB6-138GYW2 current transformer is suitable for power measuring, electronic measuring instrument and relay protection in 138KV, 50HZ neutral-point effective ground system.

Type and Meaning



Service condition

- 2.1 Installation site: outdoor
- 2.2 Sea leveled altitude: $\leq 1000\text{m}$
- 2.3 Surrounding temperature: MAX: $+45^{\circ}\text{C}$
MIN: -25°C
- 2.4 Atmosphere condition: have no serious pollution in atmosphere, the pollution grade is III.
- 2.5 Minimum creepage distance: $\geq 3800\text{mm}$

Basic parameter and main technical performance in

- 3.1.1 Highest voltage of equipment 145KV
- 3.1.2 Rated primary voltage 138KV
- 3.1.3 Rated primary current 25-50A 50-100A
- 3.1.4 Rated secondary current 5A
- 3.1.5 Rated frequency 60HZ
- 3.1.6 Secondary winding combination 0.2/5P20/5P20
- 3.1.7 Rated output
- Protection class 15VA
- Measuring class 15VA



Construction

This type of current transformer consists of tank, winding assembly (it is mainly primary winding and secondary winding), porcelain bushing, conservator, expander and etc. Winding assembly is put in the transformer oil, primary winding forms U shape and is capacitance voltage division insulation construction, which has a advantage of uniform potential and small dielectric loss factor. Main insulation is capacitance oil-impregnated paper, which is wrapped around primary oil with cable paper. Three capacitance shielding in the mail insulation, internal one (zero shielding) connected high potential and external one (ending shielding) grounded. Four primary outgoing lines are connected with conservator and then outleted. The change of current ratio can be realized through the primary connected from the outside. All the secondary outgoing lines and external outgoing lines of primary winding are outleted from wiring box on the tank. Earthing bolts in wiring box and at the bottom of the tank can provide secondary winding and the product to earth. Tank made of steel plate has four lifting lugs for lifting the product.

This type current transformer is of hermetically sealed, expander on the top of the product for compensating the volume change of transformer oil caused by different temperature and making the oil separated from outside air so as to prevent the product from moisture and delay the oil become old and improve the service life of the product. Oil indication line on the expander is for checking the oil level of the product.

Service and maintenance

- 5.1 before the installation, inspect the sealed place and welding, it has no oil leakage, the oil surface is normal, if not, it should oiling the same type oil.
- 5.2 The instrument transformer should be fixed on the platform with foot bolts.
- 5.3 The oil drawing from the bottom, its electric intensity is not more than 50KV
- 5.4 The secondary should not open circuit in the product operation.
- 5.5 The product should veiled when it storage, before the operation, it should not sun or rain the product should packed.

Notic when placing a order

- a. type of instrument transformer
- b. rated current ratio
- c. rated frequency
- d. accuracy class combination and rated output
- e. sea leveled altitude

