MOV32x31 Metal Oxide Resistor for Low Voltage Overvoltage Protection

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LIN KUN
- Certification: RoHS UL
- Model Number: High performance metal oxide resistor
- Minimum Order Quantity: 1000 pieces
- Price: Negotiation
- Packaging Details: Negotiation
- Delivery Time: 20-30 days
- Supply Ability: 100,000 pieces/month

Product Specification

- Metal Oxide Resistor.: MOV32x31
- DC Reference Voltage Uref: ≥0.6-6.3 KA
- Leakage Current IL At 75% DC Reference Voltage: 50
- Maximum Residual Voltage Ures At Nominal Discharge Current: 1.3-12. 5 KV
- Product Name: MOV Varistor
- Continuous Operating Voltage: 0.24-3.6kV
- Power Frequency Reference Voltage, Uref: ≥0.28-0.45 KA

Product Description

Low voltage arrester

1. Product overview
Metal oxide arrester (hereinafter referred to as arrester) is an over-voltage limiter. When over-voltage occurs, the voltage between the two terminals of the arrester does not exceed the specified value, so that electrical equipment is protected from over-voltage damage; after the over-voltage effect, it can Return the system to normal status quickly.

2. Structural characteristics
Metal oxide arresters are mainly composed of zinc oxide resistors with excellent volt-ampere characteristics, upper and lower electrodes and jackets.
Composite jacket arresters have the following characteristics:
1) Fundamentally solve the sealing problem;
2) The composite jacket is weather-aging resistant, has a wide operating temperature range, is highly hydrophobic and has recovery and migration characteristics. It can operate normally in harsh climates such as high altitudes and heavy pollution, and can prevent vicious explosion accidents;
3) The external metal parts are made of high-strength alloy aluminum and other anti-corrosion materials, so the pre-test period can be extended or no maintenance is required during the service life;
4) Small size and light weight.
Electric porcelain jacket arresters have the following characteristics:
1) The arrester adopts two structures: normal pressure and micro-positive pressure, and is filled with high-purity dry nitrogen or SF6 gas inside. The slight positive pressure makes the internal gas pressure of the arrester slightly greater than the atmospheric pressure, making it difficult for external moist gases to enter its interior, which greatly improves the moisture resistance of the arrester;
2) The main components of the arrester are sealed and leak-detected using a helium mass spectrometer leak detector;
3) The arrester is equipped with a pressure release device. When the arrester operates under abnormal circumstances and the internal air pressure rises, the internal pressure can be released in time to avoid secondary accidents.

3. Normal operating conditions
1) The ambient temperature is not higher than +40℃ and not lower than -40℃;
2) Sunlight radiation;
Note: The influence of the maximum solar irradiation (1.1kW/m2) has been considered by preheating the sample during the type test. If there are other heat sources near the arrester, the use of the arrester needs to be negotiated by the supplier and the buyer.
3) The altitude does not exceed 1000m;
4) The frequency of the power supply is not less than 48Hz and not more than 62Hz;
5) The power frequency voltage applied between the terminals of the arrester for a long time should not exceed the continuous operating voltage of the arrester;
6) Areas with earthquake intensity of 7 degrees and below;
7) The maximum wind speed does not exceed 35m/s.

4. Product model description
Example: YH5WS-17/50ZG
1: Product type:
Y: Metal oxide arrester
YH: Composite jacket metal oxide arrester
2: Number:
Nominal discharge current value, unit is kA.
3: Structural features:
W: No gap; C: Series gap; B: Parallel gap
4: Place of use:
S: Distribution type; Z: Power station type; T: Electrified railway type; X: Line type; R: Protection capacitor bank; D: Generator, motor;
(For low voltage, rotating motors, transformer neutral points, and motor neutral points are generally not marked)

5: Design serial number:
6: Characteristic numbers:
Above the slash is the rated voltage of the arrester, in kV; below the slash is the residual voltage under the nominal discharge current of the arrester, in kV.
7: Additional features:
G: plateau type; W: anti-fouling type; K: earthquake-resistant type; FT: type with disconnector; X: hanging type; ZG: detachable type.

Product Description:

MOV 25mm series varistor surge absorber is designed for overvoltage protection and provides excellent surge absorbing capability. It is specially designed to protect electronic and electrical equipment from transient overvoltages due to lightning and other surge sources. It offers a high energy absorption and low clamping voltage, and its rated voltage Ur is 0.28-4.5kV, with power frequency reference voltage Uref ≥0.28-0.45 KA, continuous operating voltage 0.24-3.6kV, nominal discharge current (8/20US)In 1.5-5kA, and maximum residual voltage Ures at nominal discharge current 1.3-12. 5 KV. This surge absorbing varistor is an ideal choice for overvoltage protection, providing reliable and durable performance. It is also perfect for applications requiring surge absorption and overvoltage protection.

Features:

Product Name: MOV Varistor
Maximum residual voltage Ures at nominal discharge current: 1.3-12.5 KV
Product Name: Metal Oxide Resistor
Leakage current IL at 75% DC reference voltage: ≤50
Nominal discharge current (8/20US)In: 1.5-5kA
Product Name: MOV Varistor
MOV 20mm series varistor surge absorber
MOV 5mm series varistor surge absorber
MOV 20mm series varistor surge absorber

Technical Parameters:

Product Name	Technical Parameters
Metal Oxide Resistor	MOV 32x31
Leakage Current	50A at 75% DC reference voltage
DC Reference Voltage	≥0.6-6.3 KA
Nominal Discharge Current	(8/20US)In: 1.5-5kA
Reference Current	1 MA
Rated Voltage	0.28-4.5kV
Continuous Operating Voltage	0.24-3.6kV
Power Frequency Reference Voltage	≥0.28-0.45 KA
MYG Overvoltage Protection Varistor	MOV 20mm Series Varistor Surge Absorber
MOV 5mm Series Varistor Surge Absorber	MOV 5mm Series Varistor Surge Absorber

Applications:

LIN KUN's MOV 5mm and 10mm series varistor surge absorbers provide overvoltage protection and surge absorbing varistor for various applications. The high performance metal oxide resistor MOV32x31 with LIN KUN's brand name is rated for operating voltage between 0.24-3.6kV, Uref between 0.6-6.3 KA and 0.28-0.45 KA, and leakage current below 50 at 75% of the DC reference voltage. The MOV varistor is ideal for electrical safety applications in various industries.

Customization:

Customized Service for MOV Varistor
Brand Name: LIN KUN
Model Number: High performance metal oxide resistor
Place of Origin: China
Metal oxide resistor.: MOV32x31
Product Name: Metal Oxide Resistor
Rated voltage Ur: 0.28-4.5kV
Maximum residual voltage Ures at nominal discharge current: 1.3-12. 5 KV
Nominal discharge current (8/20US)In: 1.5-5kA
MOV 25mm series varistor surge absorber, MOV 7mm series varistor surge absorber, MOV 20mm series varistor surge absorber

Support and Services:

MOV varistor provides technical support and services to its customers. Our technical support team is available 24/7 to answer any questions or concerns about our products. We offer free technical advice and troubleshooting assistance to help you get the most out of your MOV varistor. We also provide free software updates and maintenance services to keep your MOV varistor running smoothly. If you ever need any help with your MOV varistor, just contact our technical support team and we'll be happy to help.

Packing and Shipping:

Packaging and Shipping of MOV varistor:
The MOV varistor is carefully packaged and shipped in a cardboard box with plastic foam to ensure that it is not damaged during shipping.

FAQ:

Q: What is MOV varistor?
A: MOV varistor is a metal oxide resistor made by LIN KUN, which can provide high performance in lightning protection, surge suppression and over-voltage protection.
Q: What is the model number of the MOV varistor?
A: The model number of the MOV varistor is High performance metal oxide resistor.
Q: Where is the MOV varistor made?
A: The MOV varistor is made in China.
Q: What are the main functions of the MOV varistor?
A: The main functions of the MOV varistor are lightning protection, surge suppression and over-voltage protection.
Q: What are the advantages of the MOV varistor?
A: The MOV varistor has the advantages of advanced technology, excellent performance, reliable quality, and long service life.

Dongguan Linkun Electronic Technology Co., Ltd.

13423305709 huangju@lk-ptc.com lk-thermistor.com

Room 101, No. 21, Huayuanzai Road, Chongmei, Chashan Town, Dongguan City, Guangdong Province