1. Nelson Electricals.

**GAPLESS METAL OXIDE LIGHTNING ARRESTER / SURGE ARRESTER**

DISTRIBUTION CLASS – LIGHT DUTY Porcelain

Using a device with variable impedence with respect to voltages can provide protection from over voltages. Such a device is a Gapless Metal Oxide Lightning Arrester which is connected in parallel to the system to be protected.

High voltage power systems experience over voltages, which are generated through occurrence faults, switching operations and lightning discharges. The duration & magnitude of these voltages vary depending on the type of surges. Under such voltage conditions, the insulation of the power system undergoes stresses that could lead to failure. Hence it is imperative that the power systems are protected from these over voltages at the time of occurrence.

**Product Range 3kV – 36kV**

**Type Tests - Electrical Research & Development Association ( IS 3070 Standards)**

**In Process Testing** 

 **Insulation Resistance Test (Megger)**

**Reference Voltage Test**

 **Partial Discharge Test**

 **Seal Leak Test**

 **Residual Voltage Test**

**Advantages** 

**Competitively Priced .**

 **Gapless design ensures maximum reliability & durability .**

 **Proper end sealing to prevent failure due to moisture ingress .**

 **Better Protective levels through improved residual voltage of MOV Blocks.**

 **Excellent energy absorption capability & temporary overvoltage characteristics.**

 **Negligible wattage dissipation.**

 **Compactness of size with minimal weight which ensures ease of transport &mounting .**

 **Flexibility to manufacture Light Duty & Heavy Duty Distribution Class .**

**Ordering Information**

When ordering please state your requirements for the following options:

1. **Arrester Model reference** 2. **Mounting clamp** 3.**Disconnector**
2. Nelson Electricals.

**GAPLESS METAL OXIDE LIGHTNING ARRESTER / SURGE ARRESTER**

**STATION CLASS 1 Porcelain**

High voltage power systems experience over voltages, which are generated through occurrence faults, switching operations and lightning discharges. The duration & magnitude of these voltages vary depending on the type of surges. Under such voltage conditions, the insulation of the power system undergoes stresses that could lead to failure. Hence it is imperative that the power systems are protected from these over voltages at the time of occurrence. Using a device with variable impedence with respect to voltages can provide protection from over voltages. Such a device is a Gapless Metal Oxide Lightning Arrester which is connected in parallel to the system to be protected.

**Product Range - 3kV – 36kV**

**Type Tests - Electrical Research & Development Association ( IS 3070 Standards)**

**In Process Testing**

**Reference Voltage Test**

 **Partial Discharge Test**

 **Insulation Resistance Test (Megger)**

 **Seal Leak Test**

 **Residual Voltage Test**

**Advantages**

**Competitively Priced**

 **Better Protective levels through improved residual voltage of MOV Blocks**

 **Excellent energy absorption capability & temporary overvoltage characteristics**

 **Negligible wattage dissipation**

 **Proper end sealing to prevent failure due to moisture ingress**

 **Compactness of size with minimal weight which ensures ease of transport & mounting**

 **Gapless design ensures maximum reliability & durability**

**Ordering Information**

When ordering please state your requirements for the following options:

1) **Model reference** 3) **Ground Terminal Bracket** 5) **Surge Monitor**

2) **Line Terminal Connector** 4) **Insulating Base**

1. Nelson Electricals.

**GAPLESS METAL OXIDE LIGHTNING ARRESTER / SURGE ARRESTER**

**STATION CLASS 2 Porcelain**

High voltage power systems experience over voltages, which are generated through occurrence faults, switching operations and lightning discharges. The duration & magnitude of these voltages vary depending on the type of surges. Under such voltage conditions, the insulation of the power system undergoes stresses that could lead to failure. Hence it is imperative that the power systems are protected from these over voltages at the time of occurrence. Using a device with variable impedence with respect to voltages can provide protection from over voltages. Such a device is a Gapless Metal Oxide Lightning Arrester which is connected in parallel to the system to be protected.

**Product Range - 3kV – 36kV**

**Type Tests - Electrical Research & Development Association ( IS 3070 Standards)**

**In Process Testing**

**Reference Voltage Test**

 **Partial Discharge Test**

 **Insulation Resistance Test (Megger)**

 **Seal Leak Test**

 **Residual Voltage Test**

**Advantages**

**Competitively Priced**

 **Better Protective levels through improved residual voltage of MOV Blocks**

 **Excellent energy absorption capability & temporary overvoltage characteristics**

 **Negligible wattage dissipation**

 **Proper end sealing to prevent failure due to moisture ingress**

 **Compactness of size with minimal weight which ensures ease of transport & mounting**

 **Gapless design ensures maximum reliability & durability**

**Ordering Information**

When ordering please state your requirements for the following options:

1) **Model reference** 3) **Ground Terminal Bracket** 5) **Surge Monitor**

2) **Line Terminal Connector** 4) **Insulating Base**

1. Nelson Electricals.

**GAPLESS METAL OXIDE LIGHTNING ARRESTER / SURGE ARRESTER**

DIST & STATION CLASS – INDOOR POLYMER

Using a device with variable impedence with respect to voltages can provide protection from over voltages. Such a device is a Gapless Metal Oxide Lightning Arrester which is connected in parallel to the system to be protected.

High voltage power systems experience over voltages, which are generated through occurrence faults, switching operations and lightning discharges. The duration & magnitude of these voltages vary depending on the type of surges. Under such voltage conditions, the insulation of the power system undergoes stresses that could lead to failure. Hence it is imperative that the power systems are protected from these over voltages at the time of occurrence.

**Product Range 3kV – 36kV**

**Class - Distribution Class, Station Class 1,2 & 3.**

**Type Tests - Electrical Research & Development Association ( IS 3070 Standards)**

**In Process Testing** 

 **Insulation Resistance Test (Megger)**

**Reference Voltage Test**

 **Partial Discharge Test**

 **Seal Leak Test**

 **Residual Voltage Test**

**Advantages** 

**Competitively Priced .**

**Heavy duty fireproof designed serge arrester.**

 **Gapless design ensures maximum reliability & durability .**

 **Proper end sealing to prevent failure due to moisture ingress .**

 **Better Protective levels through improved residual voltage of MOV Blocks.**

 **Excellent energy absorption capability & temporary overvoltage characteristics.**

 **Negligible wattage dissipation.**

 **Compactness of size with minimal weight which ensures ease of transport &mounting .**

 **Flexibility to manufacture Light Duty & Heavy Duty Distribution Class .**

**Ordering Information**

When ordering please state your requirements for the following options:

1. **Arrester Model reference**
2. Nelson Electricals.

**GAPLESS METAL OXIDE LIGHTNING ARRESTER / SURGE ARRESTER**

DIST & STATION CLASS – OUTDOOR POLYMER

High voltage power systems experience over voltages, which are generated through occurrence faults, switching operations and lightning discharges. The duration & magnitude of these voltages vary depending on the type of surges. Under such voltage conditions, the insulation of the power system undergoes stresses that could lead to failure. Hence it is imperative that the power systems are protected from these over voltages at the time of occurrence. Using a device with variable impedence with respect to voltages can provide protection from over voltages. Such a device is a Gapless Metal Oxide Lightning Arrester which is connected in parallel to the system to be protected.

**Product Range - 6kV,9kV,12kV,27kV,30kV & 33kV.**

**Type Tests - Electrical Research & Development Association ( IS 3070 Standards)**

**In Process Testing**

**Reference Voltage Test**

 **Partial Discharge Test**

 **Insulation Resistance Test (Megger)**

 **Seal Leak Test**

 **Residual Voltage Test**

**Advantages**

**Competitively Priced**

**Polymer new technology heavy duty serge arrester .**

 **Better Protective levels through improved residual voltage of MOV Blocks**

 **Excellent energy absorption capability & temporary overvoltage characteristics**

 **Negligible wattage dissipation**

 **Proper end sealing to prevent failure due to moisture ingress**

 **Compactness of size with minimal weight which ensures ease of transport & mounting**

 **Gapless design ensures maximum reliability & durability**

**Ordering Information**

When ordering please state your requirements for the following options:

1. Distribution Class - **Arrester Model reference** 2. **Mounting Bracket** 3.**Disconnector**

2. Station Class - 1) **Model reference** 3) **Ground Terminal Bracket** 5) **Surge Monitor**

2) **Line Terminal Connector** 4) **Insulating Base**