

NEPEAN
Power

HV Current Limiting Fuse



AVAILABLE FROM
NEPEAN ELECTRONICS

NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

The XRNT can be utilised in indoor systems of 50Hz and has a rated voltage of 12.0kV. Used together with other switch facilities such as loading switches and vacuum contractors, it protects electric transformers and other electric facilities against over loading or circuit breaks. It is also a necessary accessory for high-voltage switch boxes, circular circuit cabinets and high/low voltage toploting transformer substations.

Features

XRNT HV Fuse-links have parallel connected pure silver fuse-elements. The design and method of production of the elements ensures narrow tolerances of time-current characteristics. The fuse elements are wound on a ceramic support and are attached to the silver plated connection caps by means of spot-welding.

The connection caps are fitted inside the silver plated copper end caps by spot welding. The copper end caps themselves are press-fitted onto the porcelain tube which is glazed inside and outside. The end caps are furthermore mechanically fixed to the porcelain tube and additionally sealed by a durable elastic sealing medium. This sealing method has been proven over many decades of positive field experience and ensures tightness against ingress of humidity.



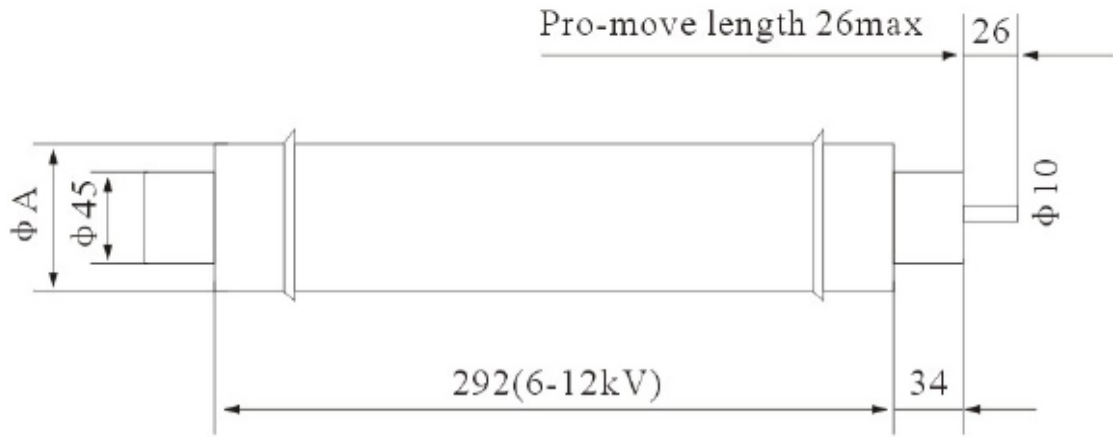
Technical Specifications

| Part Number | Rated Voltage (kV) | Rated Current (A) | Breaking Current (KA) |
|------------------|--------------------|-------------------|-----------------------|
| XRNT1-12/3.15-50 | 12 | 3.15 | 50 |
| XRNT1-12/6.3-50 | 12 | 6.3 | 50 |
| XRNT1-12/10-50 | 12 | 10 | 50 |
| XRNT1-12/16-50 | 12 | 16 | 50 |
| XRNT1-12/20-50 | 12 | 20 | 50 |
| XRNT1-12/25-50 | 12 | 25 | 50 |
| XRNT1-12/31.5-50 | 12 | 31.5 | 50 |
| XRNT1-12/40-50 | 12 | 40 | 50 |
| XRNT1-12/50-50 | 12 | 50 | 50 |
| XRNT1-12/63-50 | 12 | 63 | 50 |
| XRNT1-12/71-50 | 12 | 71 | 50 |
| XRNT1-12/80-50 | 12 | 80 | 50 |
| XRNT1-12/100-50 | 12 | 100 | 50 |
| XRNT1-12/125-50 | 12 | 125 | 50 |
| XRNT1-12/160-50 | 12 | 160 | 50 |
| XRNT1-12/200-50 | 12 | 200 | 50 |
| XRNT1-12/315-50 | 12 | 315 | 50 |

| Part Number | Description |
|---------------|---|
| XRNT1-12CLAMP | Fuse Clamp to Suit XRNT1-12 Fuses - Need two per fuse. |

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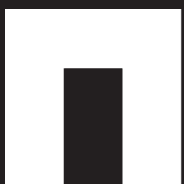
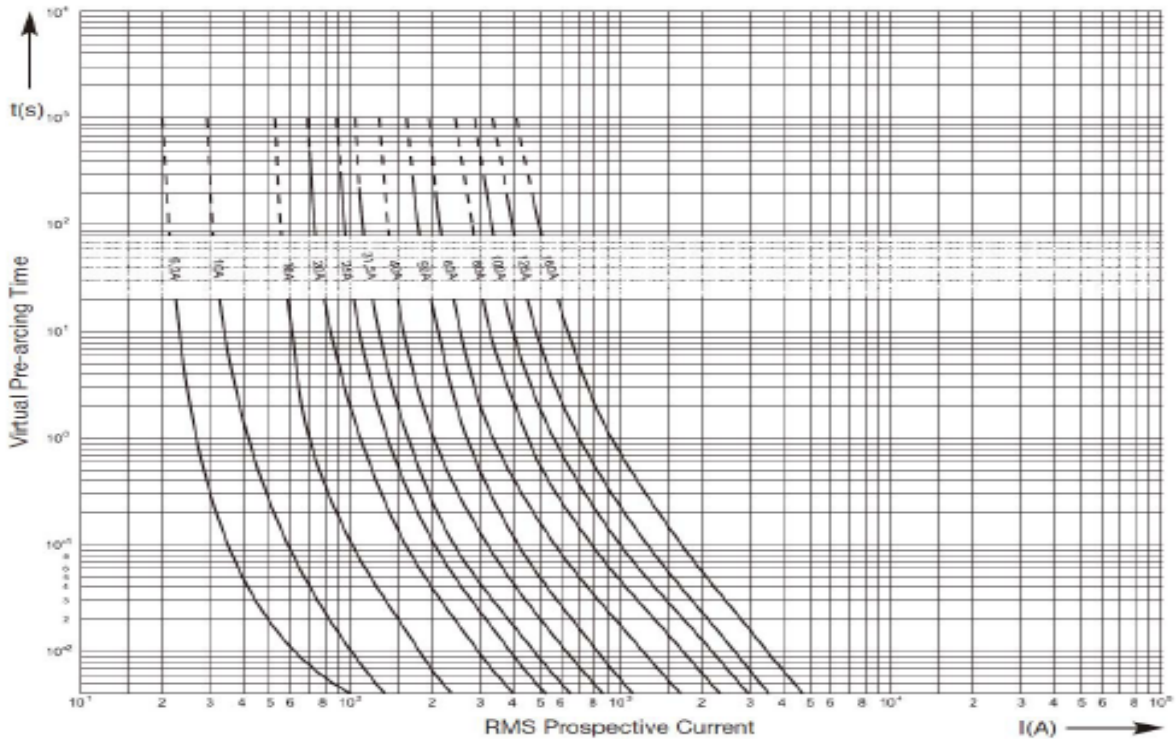
Dimensions



XRNT1-12kV

Note: ϕ A: ϕ 51mm(6.3 - 40A) ϕ 76mm(50 - 125A) ϕ 88(160 - 200A)

Time Current Characteristics



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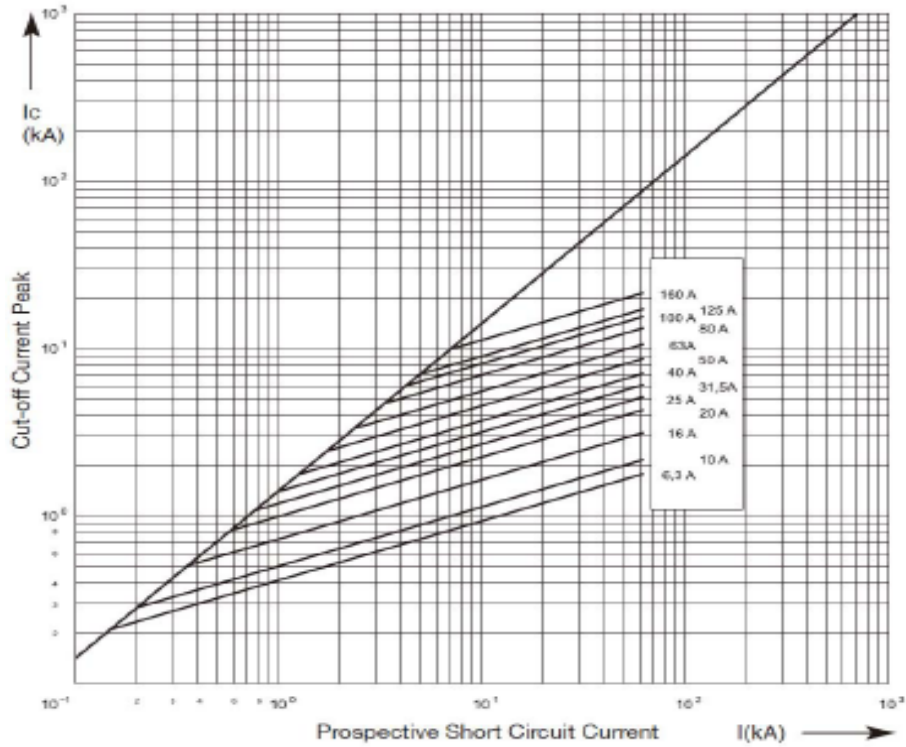
For more information please contact:

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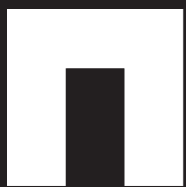
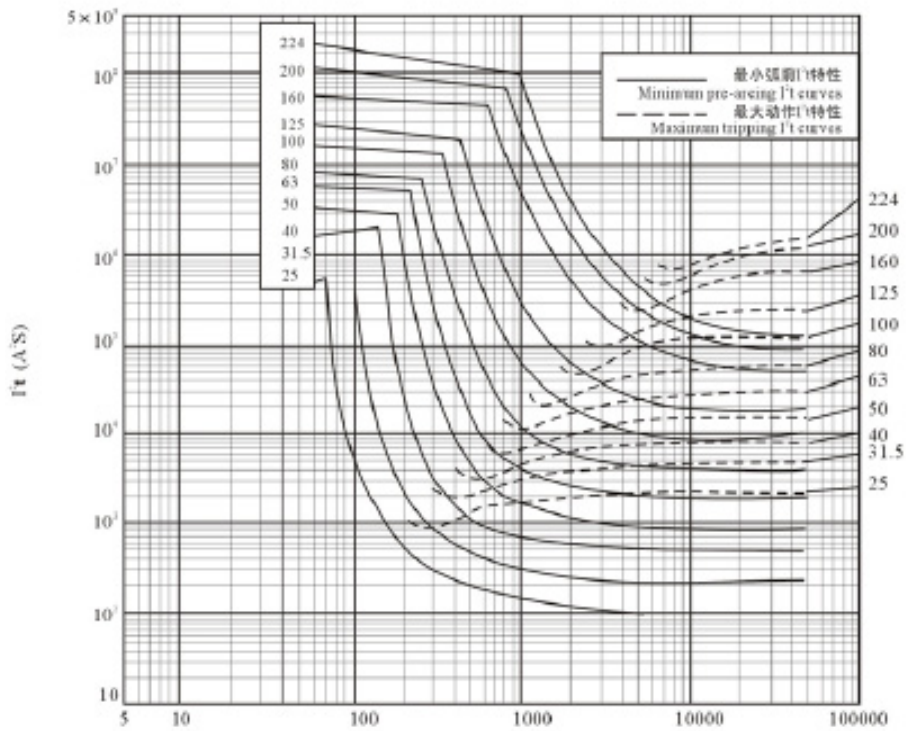
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Cut-Off Current Diagram



Characteristics



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