

# Detuned Harmonics Reactor

"Detuned Filter Reactors, are used in series with capacitor banks in power factor correction units. By using these types of detuned reactors it is possible to avoid following negative effects on system.

- Overcurrent during switching on the capacitor banks
- Overload of capacitor banks because of the harmonic resonance.
- Short lifetime on capacitors
- Overheating of the utility transmission cables.
- Overheating of the distribution transformer.
- Unintended triggering of the protective devices.
- Distortion of utility voltage waveform and problems on voltage sensitive devices
- Interferences on data transmission systems
- Unexplainable faults in electronic boards"



## Specifications

### Standard Compliance

- ✓ IEC 60076
- ✓ EN 61558

### Primary/Secondary Voltage Range

- ✓ Up to 1000V

### Winding Material

- ✓ Aluminium Foil
- ✓ Copper Foil
- ✓ Enameled/Nomex insulation Aluminium Wire
- ✓ Enameled/Nomex insulation Copper Wire

### Silicon Steel

- ✓ Non Grained Oriented Silicon Steel (NGO)
- ✓ Grained Oriented Silicon Steel (GO)

### Varnish

- ✓ High grade polyester varnish

### Insulation Class

- ✓ Based on IEC 60085 Insulation Thermal Class
- ✓ Class Y (90°)
- ✓ Class A (105°)
- ✓ Class E (120°)
- ✓ Class B (130°)
- ✓ Class F (155°)
- ✓ Class H (180°)
- ✓ Class N (200°)

### Cooling

- ✓ Air Natural Cooling (AN)
- ✓ Air Force Cooling (AF)

### Ambient Temperature

- ✓ Maximum ambient temperature 40°C
- ✓ Up on customer request

### Metal Enclosure Protection Class

- ✓ Standard enclosure IP20
- ✓ Up to enclosure IP43

### Certifications

- ✓ CE

### Capacity

- ✓ Up to 2000KVA

## Product Enquiry

### Contact:

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## Catalog

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ISO 9001:2015 certified

ISO 14001:2015 certified

### CONTACT US

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