



EDIT
ELECTRONIC

Innovative Power Solutions &
Voltage Stabilizers

EHR Catalog

ENG

EHR

Reactors



Key Features

- Copper and Aluminum winding
- High efficiency sheet core
- Varnishing under vacuum
- Oven drying at high temperature
- Three Phases and single Phase
- Harmonic Filter Reactors
- Line reactors
- Motor reactors
- Shunt reactors
- Special production on order

Optional Features

- Cabinet for indoor environment and applications
- Fuse protection
- Over temperature protection with thermostat

EHR Reactors

are produced in 4 different groups as single Phase and three Phases, according to the purpose of use and design features.

Copper and aluminum windings of EHR Reactors are wound on high quality sheet cores. They are vacuum-impregnated varnished and high-temperature dried to ensure quiet and moisture-proof operation. It is long-lasting and safe.

Harmonic Filter Reactors

They are filter reactors used to reduce the current harmonics (THDI) in the network installation to the values required by the standards.

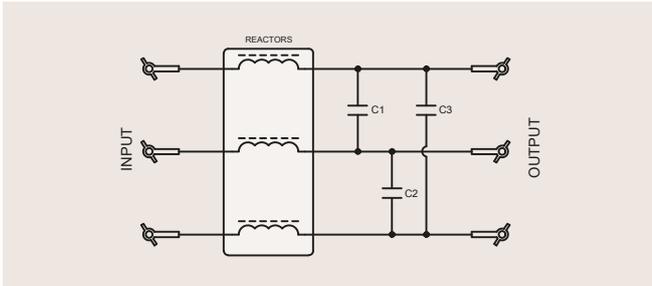
It is used in Reactive Power Compensation systems to limit the overcurrents that occur during the switching of the capacitor groups and to protect the capacitors.

In passive harmonic filter applications, it protects the connected loads against harmonic distortions and increases the immunity of the facility against electrical interference. It increases efficiency by reducing losses in power lines and power transformers.



Line Reactors

It reduces low-frequency harmonics and the distortions caused by it in the electrical installation. By limiting the starting currents of electrical machines and devices, it protects them and increases their lifetime. They are produced at 3% and 5% short-circuit voltage according to the needs of the facility.



Motor Reactors

It is used between motor drives and frequency inverters and motor. It filters high-frequency signals originating from motor drives and reduces inrush currents. It protects drives and inverters in short circuits in motor windings. It is designed and produced in accordance with the technical specifications and filtering needs of motors and motor drivers.

Shunt Reactors

It is used as an inductive load in reactive power compensation systems. They are specially produced at the suitable values for the needs of the facility.

Technical specifications

EHR Reactors	
General Features	
Power(KVAR) / Current(A)	Capable of power up to 100KVAR / current up to 1000A
Design	Open type
Rated Voltage	Three Phases 400V Single Phase 230V
Rated Current	Between 5A-1000A
Frequency	50 Hz. +/-%5 (60 Hz. Optional)
Core	High Efficiency Sheet Core
Windings	Copper or Aluminum wire with fiberglass or enamel insulation
Insulation Class	F (H class is optional)
Protection Class	IP00
Production Method	Varnishing under vacuum - firing on high temperature
Environmental Conditions	
Operating Temperature	-10 °C ~ +40 °C
Altitude Operating Height	1.500m
Humidity	90% none condensed
Protection Class	IP00

Outdoor Type Cabinet and Protection Options

Special cabinet option with high protection class up to IP54 for special applications. Voltmeter, Ammeter and signal lamp options are offered with the special cabinet designed according to the needs. Fuse protection and over temperature protection for Input and Output.

Applications

- ✓ Reactive power compensation systems,
- ✓ Harmonic filter applications
- ✓ Industrial enterprises
- ✓ Automation systems
- ✓ Motor drive systems
- ✓ Iron and steel plants

Please contact with sales representative for special production requests and the right solutions.



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