

Reactors - Antiresonance Harmonic Filter

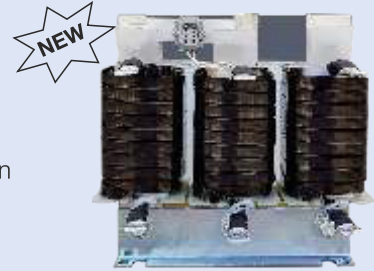
- Linearity 173% *
- Class H Insulation
- Thermal Micro Switch
- Type Tested at CPRI

Features

- High harmonic loading capability
- Very low losses
- High linearity to avoid choke tilt
- Low noise
- Convenient mounting
- Long expected life time
- Temperature protection (NC contact)

Applications

- Avoidance of resonance conditions
- Tuned and detuned harmonic filters
- Reduction of harmonic distortion (network clearing)
- Reduction of power losses



Technical data and limit values

Filter reactors	
Standard	IEC 60076, IS 5553
Winding	Copper-Strip / Aluminium - Foil & Strip
Harmonics	$V_3 = 0.5\% V_R$ (duty cycle = 100%) $V_5 = 6.0\% V_R$ (duty cycle = 100%) $V_7 = 5.0\% V_R$ (duty cycle = 100%) $V_{11} = 3.5\% V_R$ (duty cycle = 100%) $V_{13} = 3.0\% V_R$ (duty cycle = 100%)
Effective current	$I_{rms} = \sqrt{(I_1^2 + I_3^2 + \dots + I_{13}^2)}$
Fundamental current	$I_1 = 1.06 \cdot I_R$ (50 Hz or 60 Hz current of capacitor)
Temperature protection	microswitch (NC)
Frequency	50 Hz or 60 Hz
Voltage	400, 415, 440**
Output	5...100 KVAR
Detuning	5.67%, 7%, 14%
Cooling	natural
Ambient temperature	40 °C
Class of insulation	H
Enclosure	IP00

* 200% linearity is available on request

** Other voltages are available on request