

Medium Voltage Reactors

FOR PFC SYSTEMS

SINGLE PHASE



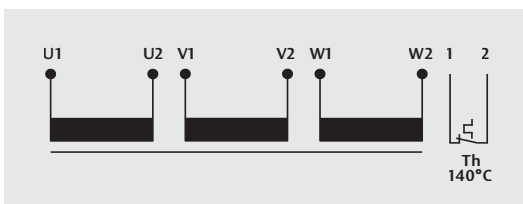
THREE PHASE



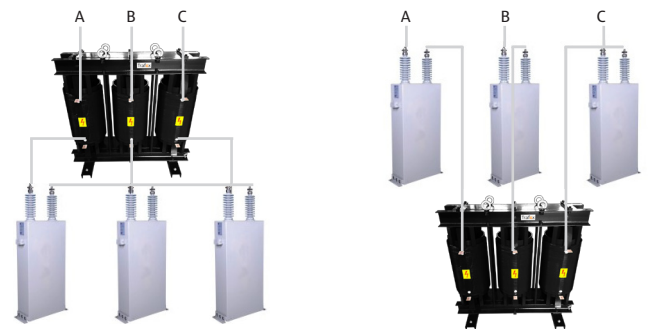
REACTOR SERIES FOR POWER FACTOR CORRECTION SYSTEMS

Reactors have the features of high linearity, high over-current capability and low losses. All the materials can be recycled and environment-protective. Vacuum impregnation by special resin material provides better insulation function, high voltage stress, low noise and long lifetime, as well as water-repellent. The number and position of air gaps are selected in order to minimize losses in magnetic core and windings. Limbs, yokes and air gaps are blocked by adhesives and pressing elements designed to reduce acoustic noise. The reactors are designed with natural air cooling.

Connection diagram



Typical connection





Technical specifications

Norms	EN 60076-6, EN 61558, RoHS
Rated Voltage	≤ 10 KV
Rated frequency	50 Hz
Dielectric test	50 Hz 28KV, 60s
Cooling method	natural air
Ambient temperature	-25 to +45°C
Elevation above sea level	≤ 2000m a.s.l.
Protection class	IP00 indoor mounting
Inductance tolerance	-3 +3%
Blocking factor p%	5%-14%

Linearity	Typical 1,75 x In
Insulation class	H
Maximum humidity	90%
Design method	Single phase or three phase, dry type Iron core, multiple air gap
Winding material	Copper / Aluminum
Terminals	Copper bar
Other specifications are available upon request.	

Optional	<ul style="list-style-type: none"> Temperature switch Housings
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Trafox is a brand of Muuntosähkö Oy. We develop, manufacture and customise high-quality transformers, chokes, filters and Trafox Superintend® monitoring devices for a large number of applications.

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