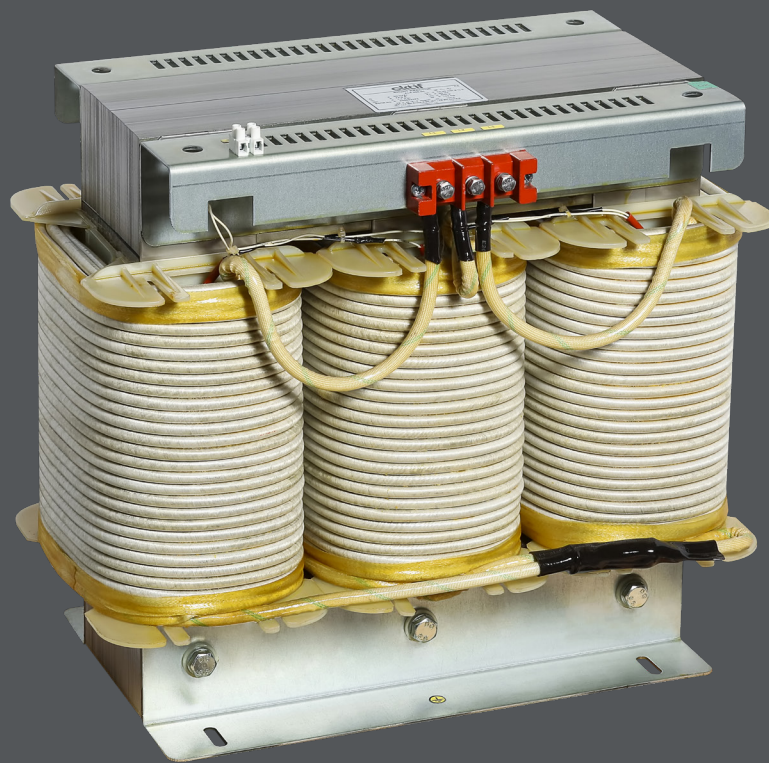


LV Iron Core Reactors



AL Series

ALF | ALS

LV Iron Core Reactors

ALF Series Harmonic Filter Reactors

ALF Series Harmonic Filter Reactors are designed in accordance with international standards to be applied serially in front of capacitors in PFC (Power Factor Correction) Systems in low voltage networks.

Application Areas

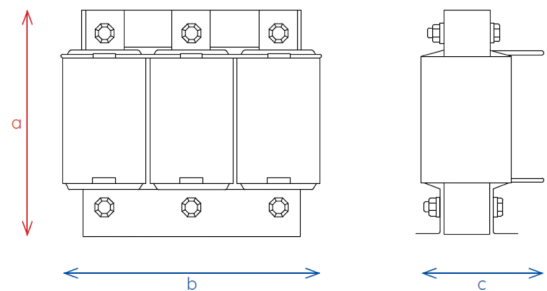
- Automatic capacitor bank systems with harmonic filter
- Fixed capacitor banks with harmonic filter
- All capacitor banks with tuned and de-tuned harmonic filter systems for PFC applications

Advantages

- Manufacture according to customer's request
- Aluminium and copper coil options
- Easy mounting to different type of panels
- High quality and very long-life period
- Low heat, low loss, low noise

Technical Specifications

- Voltage : up to 1000 Vac
- Frequency : 50 / 60 Hz
- Filter Frequency : 132 ... 235 Hz
- Protection : IP00
- Output Power : up to 150 kVAr
- Inductance Tolerance : $\pm 3\%$
- Temperature Class : F Class
- Loss Factor : $< \%1 \times Q_n$
- Standards : EN 61558-1
EN 60076-6



Product Code	Network Voltage	Net Power	Weight (kg)	Dimensions (a x b x c)
		50 Hz		
ALF.400.7,66.12	400 Volt	3.12 kVAr	8	196 x 102 x 145 mm
ALF.400.6,13.15	400 Volt	6.25 kVAr	11	196 x 102 x 145 mm
ALF.400.3,07.30	400 Volt	12.5 kVAr	18	247 x 141 x 187 mm
ALF.400.1,53.60	400 Volt	25 kVAr	24	247 x 141 x 187 mm
ALF.400.0,77.120	400 Volt	50 kVAr	46	320 x 170 x 230 mm
ALF.400.0,51.180	400 Volt	75 kVAr	51	320 x 170 x 230 mm

LV Iron Core Reactors

ALS Series Shunt Reactors

ALS Series Shunt Reactors are inductive load reactors designed to be connected in parallel to the system to compensate for the capacitive reactive caused by long and low-load transmission and distribution lines.

Application Areas

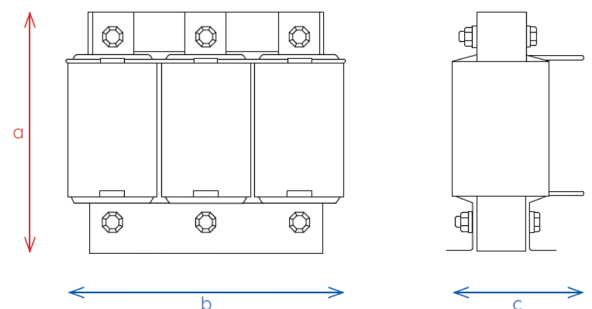
- Facilities fed by long transmission lines and underground cables,
- Organized Industrial Zones, farm etc. installations occupying a large area and using long underground cables,
- Metro, tram etc. facilities where energy transmission is made with underground cables
- Inductive load test systems

Advantages

- Manufacture according to customer's request
- Aluminium and copper coil options
- Easy mounting to different type of panels
- High quality and very long-life period
- Low heat, low loss, low noise

Technical Specifications

- Voltage : up to 1000 Vac
- Frequency : 50 / 60 Hz
- Protection : IP00
- Output Power : up to 50 kVAr
- Inductance Tolerance : $\pm 5\%$
- Temperature Class : F Class
- Loss Factor : $< 1\% \times Q_n$
- Standards : EN 61558-1
EN 60076-6



Product Code	Network Voltage	Net Power	Weight (kg)	Dimensions (a x b x c)
		50 Hz		
ALS.400.2	400 Volt	2.5 kVAr	19	295 x 200 x 220 mm
ALS.400.5	400 Volt	5 kVAr	24	300 x 220 x 220 mm
ALS.400.10	400 Volt	10 kVAr	48	350 x 240 x 270 mm
ALS.400.25	400 Volt	25 kVAr	88	420 x 310 x 370 mm
ALS.400.50	400 Volt	50 kVAr	142	480 x 310 x 420 mm



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