

LC L36-76A-480

LC L36-76A-480, Filter

Code: R732140070000

> Load current (A): 76

> Frequency (Hz): 60

> Q (kvar): 22,77

> cabinet: FRF

Description

LCL filters have been specially designed to eliminate the harmonics from the current absorbed by 6-pulse power converters, such as frequency variators for motors, UPS, etc. These are essentially passive filters based on a series-parallel combination of inductances and capacitors, adapted to filter the input of power converters.

Application

- Reduction of the current wave's distortion towards the network and the rest of the installation.
- Compliance with the **IEC 61000-3-4, IEC 61000-3-12, IEC 61800-3 and IEEE-519.**
- Energy savings with the reduction of the root mean square current (RMS), thus reducing the kV·A demand.
- Increase of the working life of units above this location with the corresponding reduction of thermal losses generated.
- Limits current transients, preventing damages caused to the converter and overvoltage trips that affect production processes.

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LC L36-76A-480

Harmonic filter for power converters

Code: R732140070000

Specifications

AC power supply

Frequency	60 Hz
Nominal voltage	400 Vca /480 Vca F-F (otras tensiones, bajo demanda)

Mechanical characteristics

Size (mm) width x height x depth	650 x 1060 x 420 (mm)
Envelope	Treated and painted steel. Frame RAL 1013 / Doors RAL 3005
Fastening	On the ground

Environmental characteristics

Protection class	IP 20
Relative humidity (without condensation)	80%
Installation, location, position.	Inside
Operating temperature	+ 35 °C

Electrical characteristics

Nominal current voltage drop	< 2 %
LC load current (RMS)	76 A
Filtered current If (RMS)	30,4 A
Residual current THD	Approx. 8%

Current measurement circuit

Allowable overload	1,5 Ic (≤ 1 min.) + Ic (≤ 5 min.) (at maximum operating temperature)

Standards

Standards	UNE-EN 60439 , UNE-EN60831 , IEC 61000-6-3 , IEC 61000-6-4, Class A

LCL
Harmonic filters for power converters

CODE	TYPE	Load current (A)	Q (kvar)
400 V			
R73107.	LC L35-16A-400	16	3,27
460 - 480 V			
R732140070000	LC L36-76A-480	76	22,77
R732150070000	LC L36-90A-480	90	26,56
R732160070000	LC L36-110A-480	110	30,36
R732170070000	LC L36-150A-480	150	45,53

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CODE	TYPE	Load current (A)	Q (kvar)
R732180070000	LC L36-180A-480	180	53,12
R732190070000	LC L36-220A-480	220	60,71
R732200070000	LC L36-260A-480	260	68,3
R732210070000	LC L36-320A-480	320	91,07

Please contact us for other current, frequency and/or voltage values Optional: Overcompensation kit

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Connections

