LC L36-260A-480

LC L36-260A-480, Filter

Code: R732200070000

> Load current (A): 260
> Frequency (Hz): 60
> Q (kvar): 68,3
> cabinet: FR4

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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Harmonic filter for power converters

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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	800 x 1900 x 650 (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)	260 A
Filtered current If (RMS)	104 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			
R73105.	LC L35-9A-400	9	1,76
R73106.	LC L35-12A-400	12	2,51
R73107.	LC L35-16A-400	16	3,27
R73108.	LC L35-22A-400	22	4,42
R73109.	LC L35-32A-400	32	6,63
R73110.	LC L35-40A400	40	8,29

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CODE	TYPE	Load current (A)	Q (kvar)
R73111.	LC L35-47A-400	47	9,14
R73112.	LC L35-54A-400	54	10,8
R73113.	LC L35-64A-400	64	13,26
R73114.	LC L35-76A-400	76	14,92
R73115.	LC L35-90A-400	90	18,24
R73116.	LC L35-110A-400	110	23,21
R73117.	LC L35-150A-400	150	29,84
R73118.	LC L35-180A-400	180	36,48
R73119.	LC L35-220A-400	220	46,42
R73120.	LC L35-260A-400	260	53,06
R73121.	LC L35-320A-400	320	66,32
R73122.	LC L35-400A-400	400	79,58
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
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
R732220070000	LC L36-400A-480	400	121,42

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

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Connections