

097 High Performance Three Phase Double Stage Filters

UL **RoHS** Up to 100A



Features

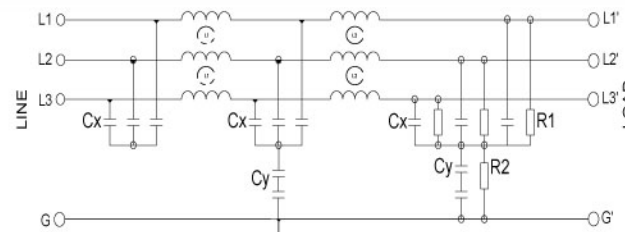
High performance, compact, robust, general purpose, three phase power line filters.

Typical Applications

Industrial equipment, frequency inverters, controls, VFD and Power Supplies.

Technical Data

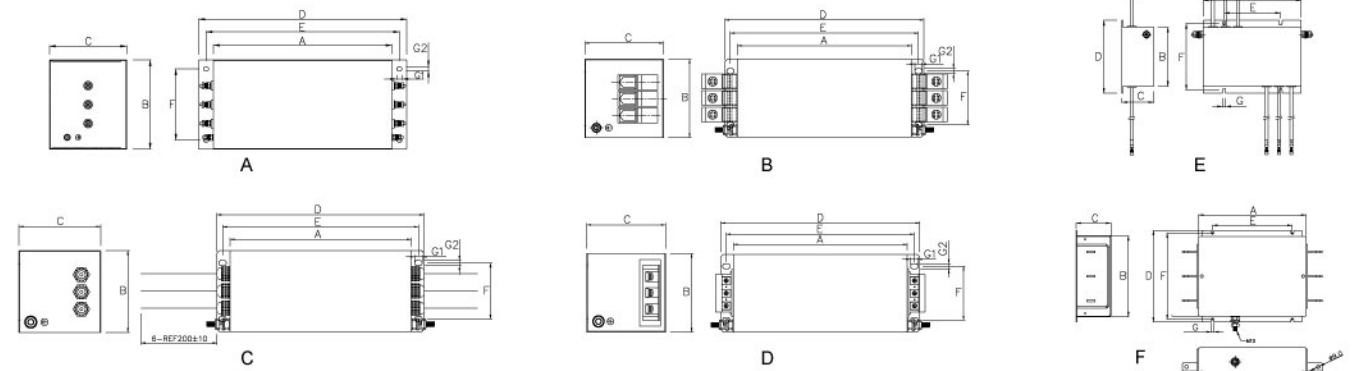
Rated Voltage Max. (V)	520VAC	Leakage Current	
Rated Current (A)	4 - 600A @ 50°C	@ 250 VAC 50Hz	20mA Max.
Operating Frequency (Hz)	50 / 60Hz	IP Standard	42 - 55
Hipot Rating		Climatic category	25 / 100 / 21
Line to Line	1450V DC		
Line to Ground	2250V DC		
Case	CRS-Plated		



097 - Electrical Schematic

Model No.	Rated Current @ 50°C	Mechanical Diagram	Terminal Options	
			In	Out
097.00401.00	4.0	A/C	M4/ Wire Exit	M4/ Wire Exit
097.01001.00	10.0	A/B/C	Terminal block/M4/ Wire leads	Terminal block /M4/ Wire leads
097.01601.00	16.0	A/B/C	Terminal block/M4/ Wire leads	Terminal block /M4/ Wire leads
097.02501.00	25.0	A/B/C	Terminal block/M4/ Wire leads	Terminal block /M4/ Wire leads
097.03001.00	30.0	A/B/C	Terminal block/M4/ Wire leads	Terminal block /M4/ Wire leads
097.03601.00	36.0	A/B/C/D	Terminal block/M6/ Wire leads	Terminal block /M6/ Wire leads
097.04001.00	40.0	A/B/C/D	Terminal block/M6/ Wire leads	Terminal block /M6/ Wire leads
097.04002.00	40.0	E	Wire leads	Wire leads
097.05001.00	50.0	A/B/C/D	Terminal block/M6/ Wire leads	Terminal block /M6/ Wire leads
097.08001.00	80.0	A/B/C/D	Terminal block/M8/ Wire leads	Terminal block /M8/ Wire leads
097.10001.00	100.0	A/B/C/D	Terminal block/M10/ Wire leads	Terminal block /M10/ Wire leads
097.25001.00	250.0	F	20x3 Copper bus bar	20x3 Copper bus bar
097.40001.00	400.0	F	20x4 Copper bus bar	20x4 Copper bus bar
097.60001.00	600.0	F	25x5 Copper bus bar	25x5 Copper bus bar
097.80001.00	800.0	F	40x5 Copper bus bar	40x5 Copper bus bar

097 Mechanical Outlines



097 Mechanical Dimensions (mm) For reference only

Model No.	A	B	C	D	E	F	G
097.00401.00	179.0	84.0	57.0	229.0	204.0	60.0	2.3*9.0
097.01001.00	200.0	120.7	65.0	240.0	115.0	136.0	6.4*9.0
097.01601.00	200.0	120.7	65.0	240.0	115.0	136.0	6.4*9.0
097.02501.00	200.0	120.7	65.0	240.0	115.0	136.0	6.4*9.0
097.03001.00	200.0	120.7	65.0	240.0	115.0	136.0	6.4*9.0
097.03601.00	200.0	120.7	65.0	240.0	115.0	136.0	6.4*9.0
097.04001.00	200.0	120.7	65.0	240.0	115.0	136.0	6.4*9.0
097.04002.00	200.0	120.7	65.0	149.0	115.0	136.0	6.35*9.8
097.05001.00	240.0	120.7	100.0	280.0	265.0	90.0	6.4*9.0
097.08001.00	300.0	150.0	130.0	350.0	325.0	120.0	6.4*9.0
097.10001.00	300.0	150.0	130.0	350.0	325.0	120.0	6.4*9.0
097.25001.00	250.0	190.0	160.0	300.0	273.0	149.5	6.5
097.40001.00	300.0	190.0	160.0	350.0	323.0	149.5	6.5
097.60001.00	500.0	210.0	160.0	550.0	523.0	149.5	6.5
097.80001.00	500.0	210.0	160.0	550.0	523.0	149.5	6.5

All dimensions in mm, 1 inch=25.4 mm

Insertion Loss in dB measured in a 50Ω system

Model No.	Common Mode (Frequencies in MHz)								
	0.05	0.1	0.15	0.5	1.0	5.0	10.0	30.0	
096.00401.00	39.0	51.0	63.0	80.0	86.0	72.0	66.0	54.0	
097.01001.00	35.0	45.0	56.0	72.0	80.0	68.0	52.0	48.0	
097.01601.00	34.0	43.0	54.0	71.0	78.0	66.0	50.0	46.0	
097.02501.00	32.0	42.0	51.0	66.0	70.0	60.0	46.0	33.0	
097.03001.00	31.0	41.0	48.0	60.0	66.0	61.0	42.0	30.0	
097.03601.00	30.0	41.0	46.0	60.0	64.0	62.0	41.0	30.0	
097.04001.00	30.0	40.0	46.0	58.0	64.0	57.0	40.0	29.0	
097.04002.00	28.0	34.0	42.0	53.0	62.0	55.0	38.0	27.0	
097.05001.00	30.0	40.0	44.0	53.0	60.0	52.0	43.0	33.0	
097.08001.00	28.0	38.0	42.0	51.0	55.0	50.0	39.0	26.0	
097.10001.00	26.0	36.0	40.0	48.0	50.0	47.0	36.0	26.0	
097.25001.00	18.0	26.0	33.0	36.0	41.0	36.0	31.0	26.0	
097.40001.00	18.0	26.0	33.0	36.0	41.0	36.0	31.0	26.0	
097.60001.00	18.0	26.0	33.0	36.0	41.0	36.0	31.0	26.0	
097.80001.00	18.0	26.0	33.0	36.0	41.0	36.0	31.0	26.0	

Model No.	Differential Mode (Frequencies in MHz)								
	0.05	0.1	0.15	0.5	1.0	5.0	10.0	30.0	
096.00401.00	31.0	42.0	53.0	59.0	62.0	56.0	43.0	32.0	
097.01001.00	31.0	42.0	52.0	60.0	64.0	58.0	42.0	33.0	
097.01601.00	32.0	43.0	53.0	61.0	63.0	58.0	41.0	31.0	
097.02501.00	32.0	44.0	53.0	62.0	64.0	59.0	42.0	34.0	
097.03001.00	33.0	43.0	54.0	64.0	66.0	58.0	44.0	36.0	
097.03601.00	32.0	42.0	52.0	61.0	63.0	57.0	43.0	35.0	
097.04001.00	33.0	43.0	53.0	63.0	66.0	56.0	44.0	34.0	
097.04002.00	32.0	42.0	52.0	58.0	68.0	60.0	46.0	36.0	
097.05001.00	32.0	42.0	52.0	58.0	68.0	60.0	46.0	36.0	
097.08001.00	34.0	46.0	56.0	64.0	70.0	62.0	54.0	38.0	
097.10001.00	34.0	46.0	55.0	62.0	68.0	61.0	53.0	38.0	
097.25001.00	28.0	32.0	38.0	43.0	49.0	42.0	37.0	31.0	
097.40001.00	28.0	32.0	38.0	43.0	49.0	42.0	37.0	31.0	
097.60001.00	28.0	32.0	38.0	43.0	49.0	42.0	37.0	31.0	
097.80001.00	28.0	32.0	38.0	43.0	49.0	42.0	37.0	31.0	

Other specifications, requirements and customizations can be offered upon request.

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