

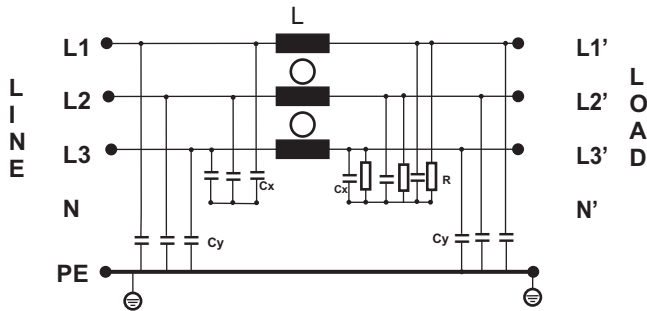
# Three-Phase EMI Filters

## AMI-SC51-XXX-T



### General purpose EMC/EMI filter for Three-Phase Applications

CIRCUIT DIAGRAM:



#### Technical Specification

Max Rated Voltage 3x 440/250 VAC

Operating Frequency DC to 50/60Hz

Rated Current 8A to 280A @50°C

High Voltage Test -

L-L 1900VDC 2sec

L-G 2600VDC 2sec

Temperature Range -25 to +100°C



- 8A to 280A current ratings
- EMC solution for industrial inverter and motor drives.
- Most compact size
- Insulated safety input terminals
- Increase the immunity if operator directly on main input.

#### Applications:

- Power Control Equipment for Power Distribution Lines
- Industrial Equipment Vulnerable to Transients on the AC Power Line (UPS , SMPS ,Computers, traffic controls, Motor Controllers, Etc.)
- Renewable energy application and general power office equipments.
- Ideal for application where computers are used to process secret or confidential information
- For the purpose of protecting against electrical surges and spikes, including those caused by lightning.
- Designed for frequency inverter and variable speed motor drives
- For small to medium sized industrial equipment, power converter and variable speed motor

#### Features:

- Trouble free instillation due ultra compact design of filter
- Solid connector terminals available for whole range
- Industrial automation equipments.

#### Benefits:

- Eliminates Dangerous Voltage Transients.
- Lowers Overall System Costs by Reducing Downtime and Maintenance Costs.
- Improves Component and System Reliability.
- Reduces EMc/RFI Interference.

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Filters Selection Table

SN	PART NO	RATED CURRENT @40°C A	LEAKAGE CURRENT 400VAC/50Hz mA	MECHANICAL DIMENSION L X W X H (mm)	CONNECTION TYPE
1	AMI-SC51-08-T	8	1.9	180 X 115 X 60	TERMINAL
2	AMI-SC51-16-T	16	1.9	200 X 150 X 65	TERMINAL
3	AMI-SC51-25-T	25	28	200 X 150 X 65	TERMINAL
4	AMI-SC51-36-T	36	28	200 X 150 X 65	TERMINAL
5	AMI-SC51-50-T	50	32.7	200 X 150 X 80	TERMINAL
6	AMI-SC51-64-T	64	32.7	200 X 150 X 80	TERMINAL
7	AMI-SC51-80-T	80	31.8	400 X 170 X 90	TERMINAL
8	AMI-SC51-110-T	110	31.8	400 X 170 X 90	TERMINAL
9	AMI-SC51-180-T	180	29.6	510 X 180 X 130	TERMINAL
10	AMI-SC51-280-T	280	35.7	700 X 260 X 155	TERMINAL

Large range of power ratings allow to select convenient filter selection

AMI-SC51-XXX-T Filters provide a very high common and differential mode attenuation

Insulated, high quality safety terminals for input and output contribute over all equipment safety

Suitable to meet the latest EMC standards

Excellent performance for application with high interference level

*Remark*

*\*\* Input and output connection available in Terminal*

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### Insertion Loss(dB)

#### 8A

MHZ	0.1	1	10
CM	50	70	66
DM	41	78	79

#### 25A

MHZ	0.1	1	10
CM	62	74	61
DM	50	78	68

#### 50A

MHZ	0.1	1	10
CM	57	70	55
DM	41	79	79

#### 80A

MHZ	0.1	1	10
CM	62	73	61
DM	30	78	62

#### 180A

MHZ	0.1	1	10
CM	59	62	45
DM	32	53	37

#### 16A

MHZ	0.1	1	10
CM	40	78	63
DM	50	77	66

#### 36A

MHZ	0.1	1	10
CM	58	70	52
DM	40	78	79

#### 64A

MHZ	0.1	1	10
CM	47	73	62
DM	23	70	64

#### 110A

MHZ	0.1	1	10
CM	61	74	62
DM	31	79	63

#### 280A

MHZ	0.1	1	10
CM	60	69	50
DM	50	59	41