

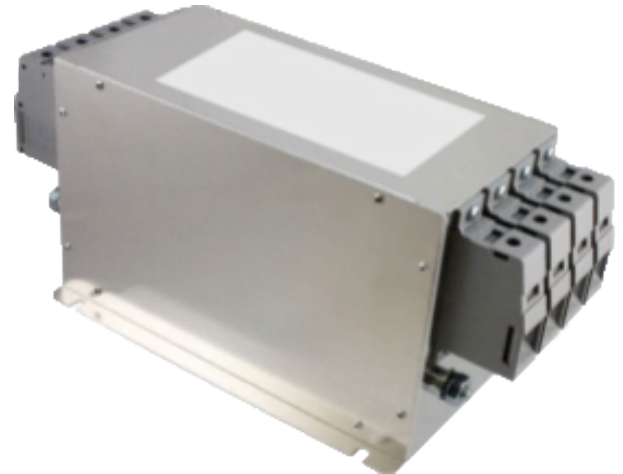
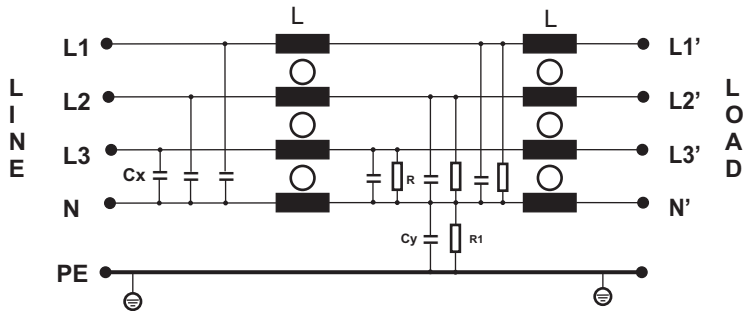
Three-Phase+ Neutral Filters

AMI-SC280-XXX-X



Three phase+Neutral Filter for industrial machinery/equipment with high-end terminal

CIRCUIT DIAGRAM:



Technical Specification

Max Rated Voltage 3x 520/300 VAC

Operating Frequency DC to 50/60Hz

Rated Current 8A to 600A @50°C

High Voltage Test -

L-L 2250VDC 2sec

L-G 2750VDC 2sec

Temperature Range -25 to +100°C(25/100/21)

- 8A to 600A current ratings
- Most compact size
- Insulated safety input terminals
- Exceptional attenuation performance from 150KHz to 30MHz
- Excellent saturation resistance up 50 meter cable length

Applications:

- Power Control Equipment for Power Distribution Lines
- Industrial Equipment Vulnerable to Transients on the AC Power Line (Computers, Traffic Controls, Motor Controllers, Etc.)
- Renewable energy application and high 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 installation due to ultra compact design of filter
- Solid connector terminals available for whole range
- Designed for universal applications

Benefits:

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

Three-Phase+ Neutral Filters

AMI-SC280-XXX-X

Three phase+Neutral Filter for industrial machinery/equipment with high-end terminal

Filters Selection Table

SN	PART NO	RATED CURRENT @50°C A	LEAKAGE CURRENT 480V/50Hz mA	MECHANICAL DIMENSION L X W X H (mm)	CONNECTION TYPE
1	AMI-SC280-08-T	8	1.0	120 X 143 X 80	TERMINAL
2	AMI-SC280-16-T	16	1.0	120 X143 X 80	TERMINAL
3	AMI-SC280-25-T	25	1.0	130 X 153 X 115	TERMINAL
4	AMI-SC280-36-T	36	1.0	130 X 153 X 115	TERMINAL
5	AMI-SC258-64-T	64	1.0	150 X 153 X 125	TERMINAL
6	AMI-SC280-80-T	80	1.0	230 X 163 X 125	TERMINAL
7	AMI-SC280-120-T	120	1.0	250 X 170 X 140	TERMINAL
8	AMI-SC280-160-T	160	1.0	280 X170 X 170	TERMINAL
9	AMI-SC280-200-T	200	1.0	280 X 170 X 170	TERMINAL
10	AMI-SC280-300-B	300	1.0	325 X 220X 150	BUSBAR
11	AMI-SC280-400-B	400	1.0	325 X 220 X 150	BUSBAR
12	AMI-SC280-600-B	600	1.0	325 X 220 X 150	BUSBAR

Large range of power ratings allow to select convenient filter selection

AMI-SC280-XXX-X 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 and BUSBAR type**

***** Wire size also available as per customer requirement**

Three-Phase+ Neutral Filters

AMI-SC280-XXX-X

Three phase+Neutral Filter for industrial machinery/equipment with high-end terminal

Insertion Loss(dB)

8A

MHZ	0.1	1	10
CM	66	77	45
DM	51	59	41

25A

MHZ	0.1	1	10
CM	64	78	44
DM	54	60	41

64A

MHZ	0.1	1	10
CM	36	69	41
DM	33	55	39

120A

MHZ	0.1	1	10
CM	36	66	40
DM	33	51	39

200A

MHZ	0.1	1	10
CM	42	47	38
DM	30	35	39

400A

MHZ	0.1	1	10
CM	55	47	27
DM	59	46	21

16A

MHZ	0.1	1	10
CM	62	80	40
DM	49	68	39

36A

MHZ	0.1	1	10
CM	55	74	39
DM	41	61	31

80A

MHZ	0.1	1	10
CM	37	65	44
DM	31	49	38

160A

MHZ	0.1	1	10
CM	41	45	39
DM	29	38	36

300A

MHZ	0.1	1	10
CM	51	48	29
DM	61	45	26

600

MHZ	0.1	1	10
CM	49	48	30
DM	61	45	20