

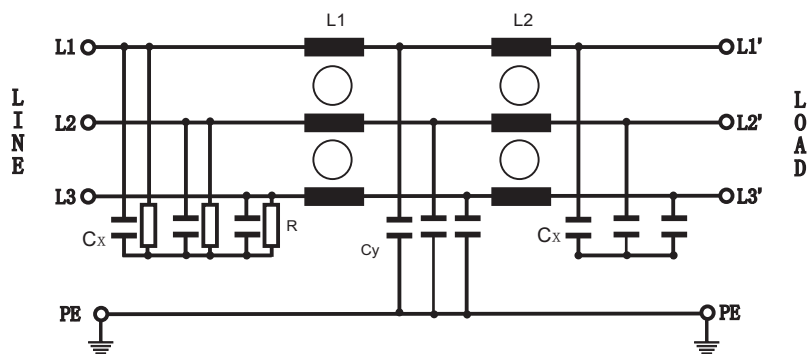
Three-Phase Filters

AMI-AF300-XXX-T

Filter For Motor Drives With High Performance



CIRCUIT DIAGRAM:



Technical Specification

Max Rated Voltage 3x 440VAC

Operating Frequency DC to 50/60Hz

Rated Current 4A to 50A @40°C

High Voltage Test -

L-L 2100VDC 2sec

L-G 3000VDC 2sec

Temperature Range -25 to +100°C

- 4 to 50A current ratings
- compact size
- insulated safety input terminals
- wire outputsT

Applications:

- Power Control Equipment for Power Distribution Lines
- Industrial Equipment Vulnerable to Transients on the AC Power Line (Computers, Traffic Controls, Motor Controllers, Etc.)
- Communications systems and other heavy-duty industrial systems,
- 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:

- Very high attenuation
- Low leakage current
- 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.

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Filters Selection Table

SN	PART NO	RATED CURRENT @40°C A	LEAKAGE CURRENT 250V/50Hz mA	MECHANICAL DIMENSION L X W X H (mm)	CONNECTIO N TYPE
1	AMI-AF300004T	4	0.50	145 X 75 X 40	Wire/16AWG
2	AMI-AF300008T	8	0.50	145 X 75 X 40	Wire/16AWG
3	AMI-AF300016T	16	0.50	180 X 115 X 60	Wire/14AWG
4	AMI-AF300025T	25	0.50	180 X 115 X 60	Wire/14AWG
5	AMI-AF300036T	36	0.73	180 X 115 X 80	Wire/8AWG
6	AMI-AF300050T	50	0.73	180 X 115 X 80	Wire/8AWG

Large range of power ratings allow to select convenient filter selection

AMI-F300-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 and wire type**

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

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Insertion Loss(dB)

4A

MHZ	0.1	0.5	1	5	10
CM	94	82	63	44	29
DM	85	75	61	44	30

8A

MHZ	0.1	0.5	1	5	10
CM	91	79	64	45	27
DM	78	72	60	45	31

16A

MHZ	0.1	.0.5	1	5	10
CM	68	95	74	57	41
DM	66	80	67	55	38

25A

MHZ	0.1	0.5	1	5	10
CM	61	92	78	59	42
DM	60	83	68	55	39

36A

MHZ	0.1	0.5	1	5	10
CM	90	73	52	43	29
DM	76	63	48	31	11

50A

MHZ	0.1	0.5	1	5	10
CM	91	74	56	40	30
DM	78	62	49	32	14