Lower Current Three Phase RFI Filters

AYO Series

UL Recognized
CSA Certified
VDE Approved

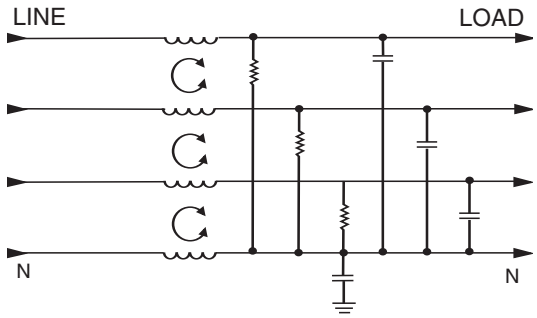
AYO1

AYO Series

The AYO series filters are designed for 3-phase, four wire, WYE applications providing filtering in each of the three lines plus neutral.

These lower current RFI filters provide filtering to industrial 3-phase applications.

Electrical Schematic



Resistor location for reference only.

Specifications

Maximum leakage current, each line-to-ground:

	3, 6, 10A	20A
@ 120 VAC 60 Hz:	2.0 mA	3.5mA
@ 250 VAC 50 Hz:	3.0 mA	5.5mA

Hipot rating (one minute):

line-to-ground	1500 VAC
line-to-line	1450 VDC

Operating frequency: 50/60 Hz

Rated voltage (max.):

phase-to-phase	440 VAC
phase-to-neutral/ground	250 VAC

Rated current:

3AYO1	3A
6AYO1	6A
10AYO1	10A
20AYO1	20A

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current Rating	Frequency-MHz .15	.5	1	5	10	30
3A	12	23	29	33	38	35
6A	7	23	30	40	50	30
10A	–	–	5	16	28	15
20A	–	7	11	32	23	12

Line-to-line in 50 ohm circuit

Current Rating	Frequency-MHz .15	.5	1	5	10	30
3A	–	12	20	50	35	30
6A	10	18	24	31	28	28
10A	10	18	24	42	28	22
20A	10	18	24	42	38	23

Catalog 1654001
Revised 05-07

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA Cust. Svc.: 1-800-468-2023
CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0

www.corcom.com
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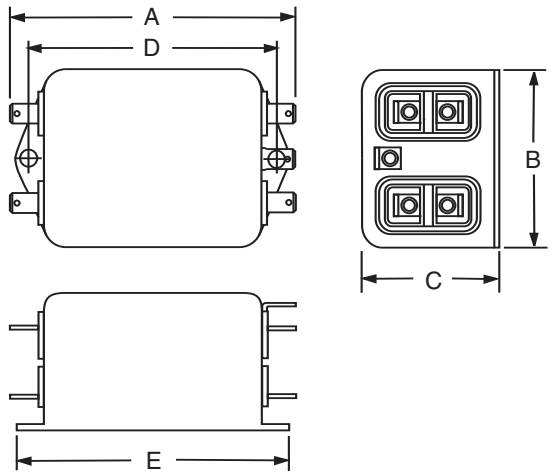
Lower Current Three Phase RFI Filters (Continued)

AYO Series

Case Style



Typical dimensions:
Terminals: .250 [*6.35*] (9)
Holes: .07 [*1.8*] Dia.(8)
Slot: .07 x .16 [*1.8 x 4.1*]
Mounting holes: .188 [*4.78*] Dia.(2)

Case Dimensions

Part No.	A (max)	B (max)	C (max)	D ±.015 / *±.38*	E (max)
AYO	**3.37** *85.6*	**2.07** *52.5*	**1.53** *38.7*	**2.938** *74.63*	**3.35** *85.1*

Part Numbers

3AYO1
6AYO1
10AYO1
20AYO1

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