

Compact Low Current 3-phase WYE RFI Filters

AYO Series

UL Recognized CSA Certified **VDE** Approved

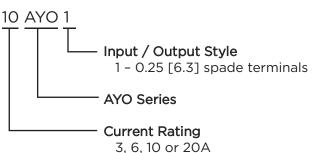


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AYO Series

- For 3-phase, four wire, WYE applications
- Filters each of the three lines plus neutral
- Good for attenuation beginning at 100kHz
- Space saving design
- Low leakage current
- Easy to connect terminals

Ordering Information



Available Part Numbers

3AYO1	6AYO1			
10AYO1	20AYO1			

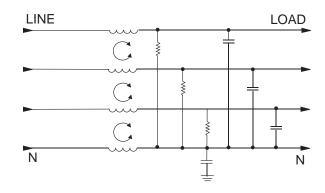
Specifications

Maximum leakage current each Line to Ground: 7 C 10 A

@ 120 VAC 60 Hz: @ 250 VAC 50 Hz:	<u>3, 6, 10A</u> 2.0 mA 3.0 mA	3.5 mA 5.5 mA
Hipot rating (one minute): Line to Ground: Line to Line:		1500 VAC 1450 VDC
Rated Voltage (max): Phase to Phase: Phase to Neutral / Ground	:	440 VAC 250 VAC
Operating Frequency:		50/60 Hz
Rated Current:		3 to 20A
Operating Ambient Tempera	ature Range	

(at rated current I_r): -10°C to +40°C In an ambient temperature (Ta) higher than +40°C the maximum operating current (I₀) is calculated as follows: I₀ = I_r $\sqrt{(85-Ta)/45}$

Electrical Schematic



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.

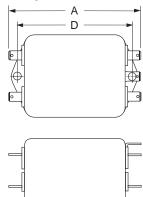
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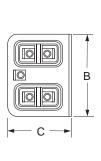
Compact Low Current 3-phase WYE RFI Filters (continued)

AYO Series

Case Style



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Case Dimensions

Part No.	Α	В	С	D	E	
Part NO.	(max.)	(max.)	(max.)) $\frac{\pm.015}{\pm.38}$ (max.		
AYO Series	3.37	2.07	1.53	2.938	3.35	
	85.6	52.5	38.7	74.63	85.1	

Typical Dimensions:

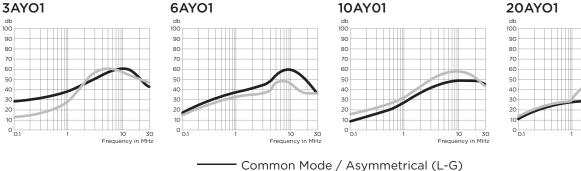
Line/Load Terminals (8): Ground Terminal (1): Mounting Holes (2):

8): .250 [6.3] with .07 [*1.8*] Dia. hole .250 [6.3] with .07 x .16 [*1.8 x 3.8*] slot .188 [*4.78*] Dia.

Performance Data

Typical Insertion Loss

Measured in closed 50 Ohm system



— Differential Mode / Asymmetrical (L-G) — Differential Mode / Symmetrical (L-L)

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current	Current Frequency –MHz					Current	Current			Frequency –MHz			
Rating	.15	.5	1	5	10	30	Rating	.15	.5	1	5	10	
3A	12	23	29	33	38	35	3A	-	12	20	50	35	
6A	7	23	30	40	50	30	6A	10	18	24	31	28	
10A	-	-	5	16	28	15	10A	10	18	24	42	28	
20A	-	7	11	32	23	12	20A	10	18	24	42	38	

¹¹²

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For email, phone or live chat, please go to te.com/help corcom.com

Differential Mode / Symmetrical (Line to Line)

10 30 Frequency in MHz