

AYC Series



UL Recognized

AYC Series

The AYC series filters are designed for 3-phase, four-wire, WYE wiring applications. These cost-effective filters help better protect electronic equipment in industrial applications.

The series offers filtering up to 180 amps maximum and is used in 3-phase, noisy industrial applications such as frequency converters. The AYC series meets EMC standards: EN55011, EN133200 and UL 1283.



AYC10B

Specifications

Maximum leakage current, each line-to-ground

@ 120 VAC 60Hz:	
16A	62mA
25/36A	68mA
63/80/110/150A	74mA
180A	111mA
@ 250 VAC 50 Hz:	
16A	106mA
25/36A	118mA
63A	128mA
80/110/150A	129mA
180A	192mA

Hipot rating (one minute):

line-to-ground	1850 VDC
line-to-line	1850 VDC
line-to-neutral	1450 VDC

Operating frequency:

50/60 Hz

Operating voltage (max.):

480 VAC

Rated current:

16AYC10B	16A	110AYC10B	110A
25AYC10B	25A	150AYC10B	150A
36AYC10B	36A	180AYC10B	180A
63AYC10B	63A	200AYC10B	200A
80AYC10B	80A		

Typical insertion loss in dB:

Line-to-ground in 50 ohm circuit

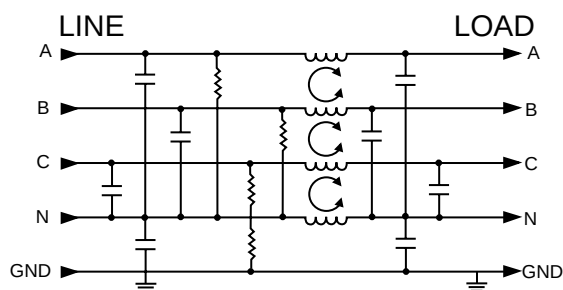
Current Rating	Frequency-MHz						
	.01	.05	.1	.5	1	5	10
25A	26	68	83	93	88	68	45
36A	18	61	78	96	91	71	49
63A	11	57	72	90	86	68	44
110A	10	51	60	88	84	74	50
150A*	0	50	57	82	79	75	51
150A	1	51	55	85	82	84	51
180A	3	53	55	97	89	81	56

Line-to-line in 50 ohm circuit

Current Rating	Frequency-MHz						
	.01	.05	.1	.5	1	5	10
25A	23	33	60	100	95	87	70
36A	25	37	51	94	87	69	58
63A	27	45	41	84	77	63	61
110A	27	35	39	75	72	51	44
150A*	28	37	42	74	67	52	45
150A	28	40	42	73	66	51	44
180A	30	41	50	70	64	49	42

*150AYC10B-95

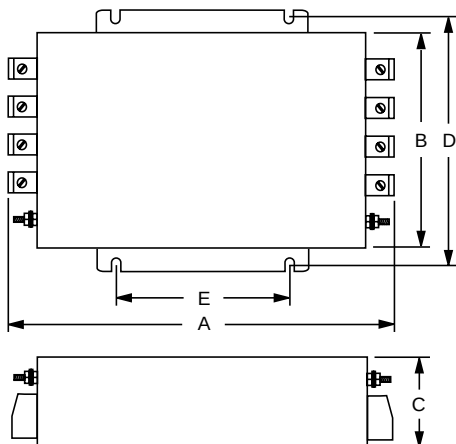
Electrical Schematic



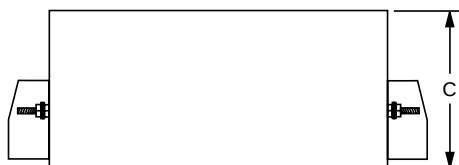
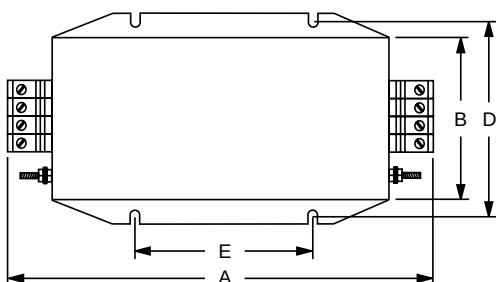
AYC Series

Case Styles

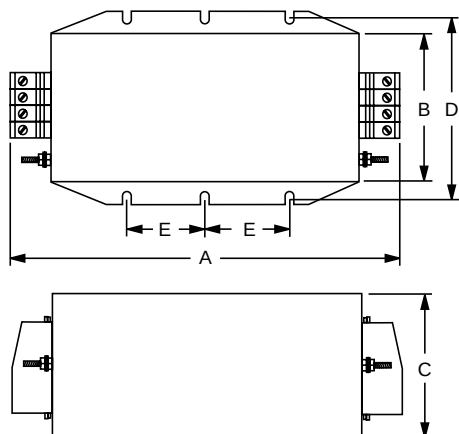
16, 25, 36, 63 AYC10B



80, 110, 150AYC10B



180 AYC10B



Case Dimensions

Part No.	A (max)	B (max)	C (max)	D (max)	E (max)
16AYC10B	6.69 170.0	4.37 111.0	2.56 65.0	4.92 125.0	2.76 70.0
25AYC10B	9.96 246.0	5.08 129.0	2.52 64.0	5.71 145.0	4.53 115.0
36AYC10B	10.35 263.0	5.08 129.0	2.52 64.0	5.71 145.0	4.53 115.0
63AYC10B	10.89 279.0	5.08 129.0	2.52 64.0	5.71 145.0	4.53 115.0
80/110/150 AYC10B	12.09 307.0	5.55 141.0	5.55 141.0	6.10 155.0	4.53 115.0
180AYC10B	15.71 399.0	5.55 141.0	5.55 141.0	6.10 155.0	3.25 82.5

Part Numbers

16AYC10B 25AYC10B 36AYC10B 63AYC10B 80AYC10B	110AYC10B 150AYC10B 150AYC10B-95 180AYC10B
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