

VEF, BLC

Book-type power filter



Description

The **VEF** and **BLC** filters have been designed to reduce the high-frequency electromagnetic interferences generated by power converters as a consequence of semi-conductor switching operations. This series offers special mechanical features and a compact construction.

Application

- Compulsory compliance with the electromagnetic compatibility directives for all units with electrical or electronic components.
- Avoid the propagation of electromagnetic distortions transmitted to sensitive receivers.

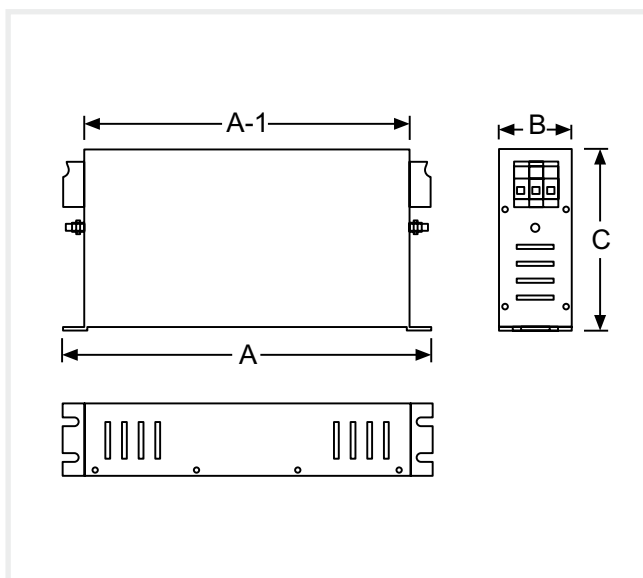
Features

Features	Three-phase
Maximum supply voltage	440 V a.c.
Frequency	50 ... 60 Hz
Dielectric rigidity	2.5 kV
Admissible current	see tables
Overload conditions	1.5 I_n 1 min every 20 min at 40 °C
Common mode attenuation	50 ... 60 dB
Range of frequencies	150 kHz ... 30 MHz
Environmental conditions	
Operating temperature	35 °C
Relative humidity	80 % non-condensing

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Dimensions



References

500 V, 50 or 60 Hz

VEF

I_n (A)	Weight (kg)	$I_{leakage}$ (mA)		Losses (W)	Terminals and screws (mm)	Dimensions (mm) A x B x C	Type	Code
		Nom.	Max.					
12	1,1	0,5	27	4,5	ø 6	255 x 50 x 126	VEF-3012	R71502
25	1,7	0,5	27	9	ø 10	255 x 50 x 126	VEF-3025	R71503
30	1,8	0,5	27	14	ø 10	255 x 50 x 126	VEF-3030	R71504
50	2,8	0,5	27	19	ø 16	335 x 60 x 150	VEF-3050	R71505
60	3,1	0,5	27	20	ø 16	335 x 60 x 150	VEF-3060	R71506
70	4	0,5	27	20	ø 25	335 x 60 x 150	VEF-3070	R71507
100	5,5	0,75	130	36	ø 35	330 x 80 x 220	VEF-3100	R71508
130	7,5	0,75	130	40	ø 50	330 x 80 x 220	VEF-3130	R71509

BLC

I_n (A)	Weight (kg)	$I_{leakage}$ (mA)		Losses (W)	Screws (mm)	Dimensions (mm) A x B x C	Type	Code
		Nom.	Max.					
7	1,1	0,5	27	4,5	ø 6	190 x 40 x 70	BLC-3007	R71601
16	1,7	0,5	27	9	ø 6	250 x 45 x 70	BLC-3016	R71602
30	1,8	0,5	27	14	ø 10	270 x 50 x 85	BLC-3030	R71603
42	2,8	0,5	27	19	ø 10	310 x 50 x 85	BLC-3042	R71604
55	3,1	0,5	27	20	ø 16	250 x 85 x 90	BLC-3055	R71605
75	4	0,5	27	20	ø 25	270 x 80 x 135	BLC-3075	R71606
100	5,5	0,75	130	36	ø 35	270 x 90 x 150	BLC-3100	R71607
130	7,5	0,75	130	40	ø 50	270 x 90 x 150	BLC-3130	R71608
180	11	0,75	130	61	ø 95	380 x 120 x 170	BLC-3180	R71609