

EBK5/40 Series

Terminal Block Power-Line Filters (5-160A)



Typical application

- Heavy interference equipment such as inverter for speed control systems

Features and benefits

- Excellent performance for both common and differential mode suppression starting from low frequency
- Easy connection terminal block with protective cover
- Low leakage current

Conformity

- CE EN 60939
- CSA C22,2 | available on request for most types
- UL 1283 | available on request for most types
- Climatic category | 40/085/21 (IEC 60068-1)

Technical specifications

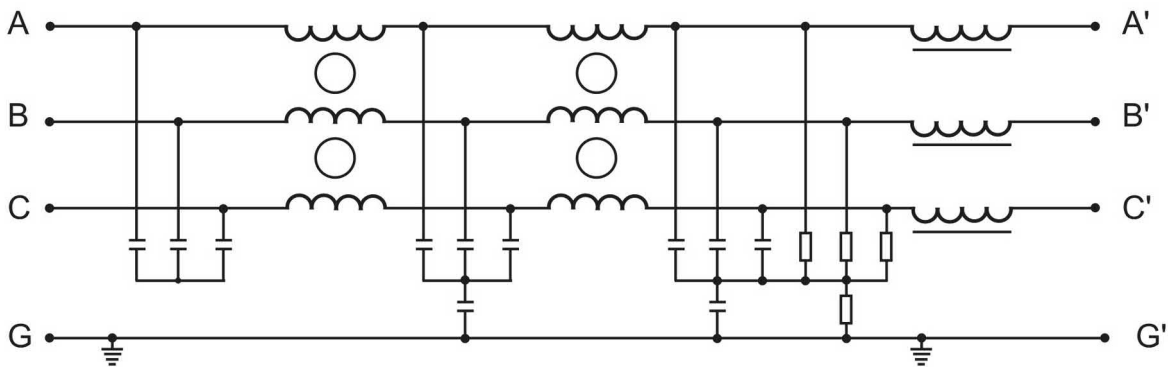
	Symbol	Value	Unit	Remarks
Rated voltage	V_R	480/250	VAC	
Rated current	I_R	5 ... 160	A	
Ground capacitance		200 ... 690	nF	
Operating frequency	f_{op}	50/60	Hz	
Insertion loss		up to 100/100	dB	common/dfferential mode
Leakage current	I_l	---	mA	
Operating temperature	T_{amb}	-40 ... +85	°C	
Storage temperature	T_S	-40 ... +85	°C	
Test voltage - line to line	V_{test}	1500	VDC	
Test voltage - line to ground	V_{test}	2250	VDC	

Electrical properties

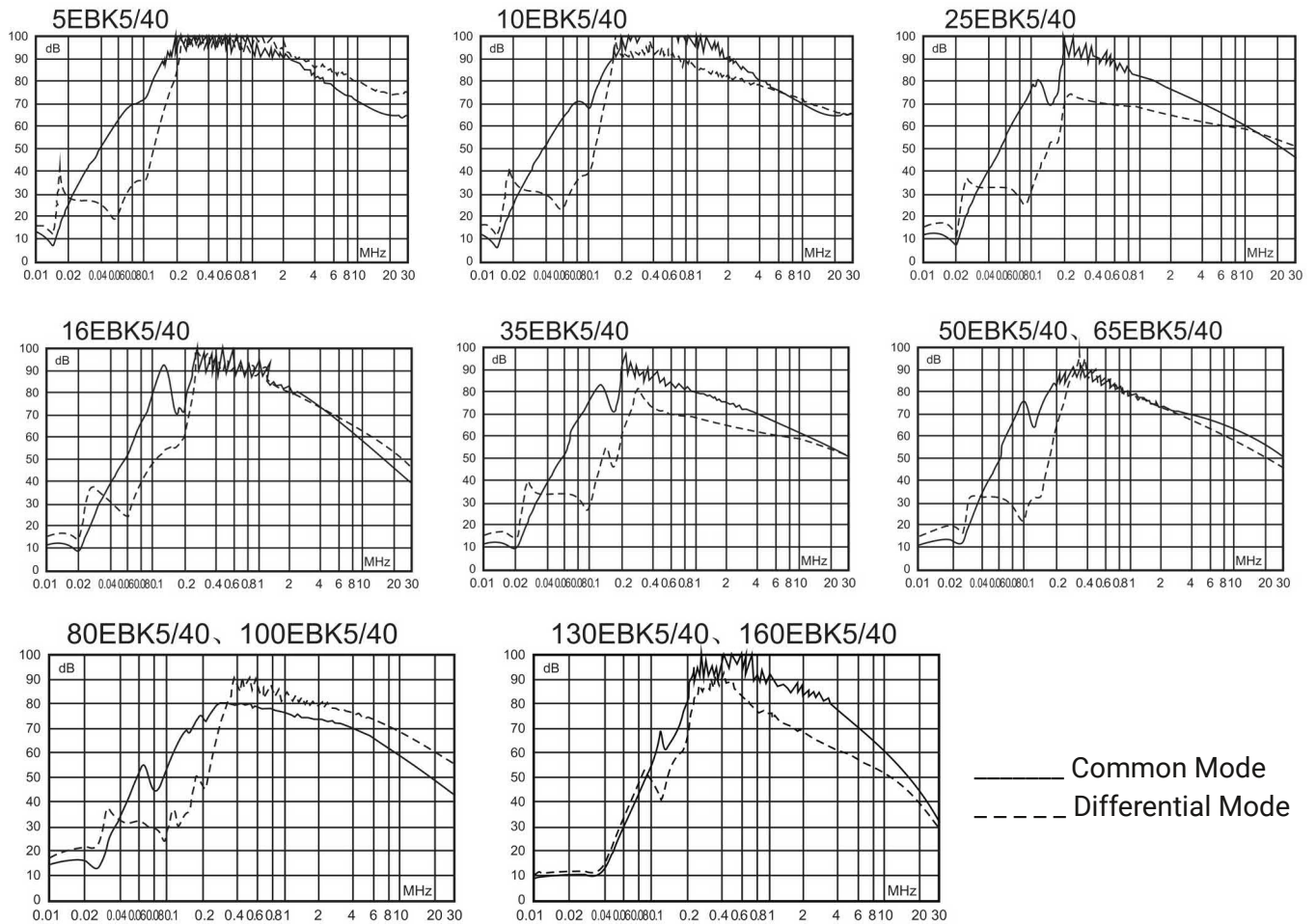
Model	Connection		Rated Current [A]	Ground Capacitance [nF]	Discharge Resistance [MΩ] (R1-3/R0)	Circuit Diagram	Package Type
	Line	Load					
DL-5EBK5/40	T	T	5	200	1.5/0.68	1	1
DL-10EBK5/40	T	T	10	200	1.5/0.68	1	1
DL-16EBK5/40	T	T	16	200	1.5/0.68	1	1
DL-25EBK5/40	T	T	25	200	1.5/0.68	1	2
DL-35EBK5/40	T	T	35	200	1.5/0.68	1	2
DL-50EBK5/40	T	T	50	320	1.5/0.68	1	2
DL-65EBK5/40	T	T	65	320	1.5/0.68	1	2
DL-80EBK5/40	T	T	80	320	1.5/0.68	1	3
DL-100EBK5/40	T	T	100	320	1.5/0.68	1	3
DL-130EBK5/40	T	T	130	690	1.5/0.68	1	3
DL-160EBK5/40	T	T	160	690	1.5/0.68	1	3

Legend: T = terminal block

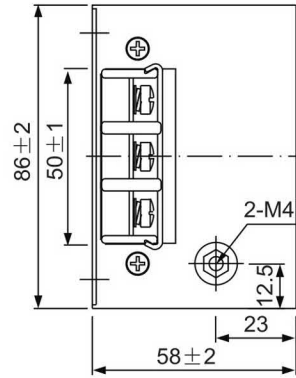
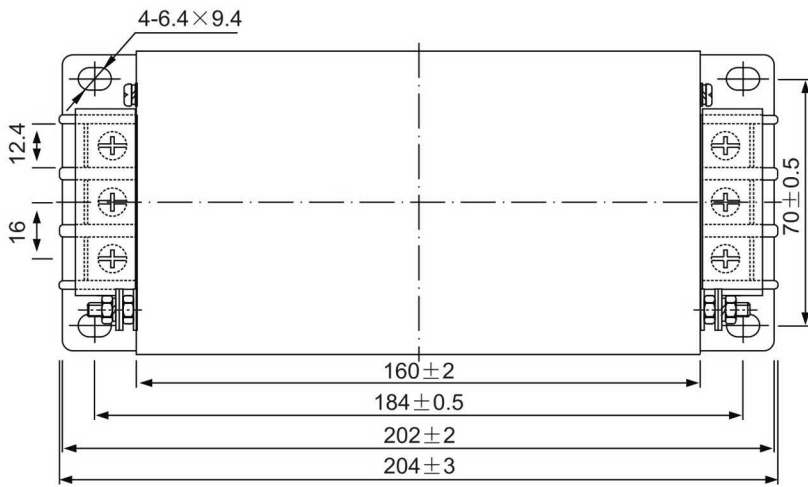
Circuit schematic



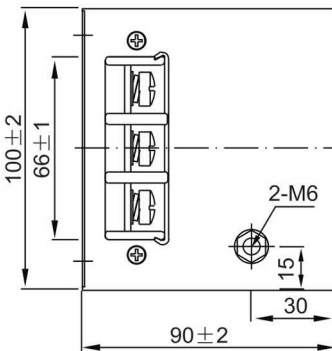
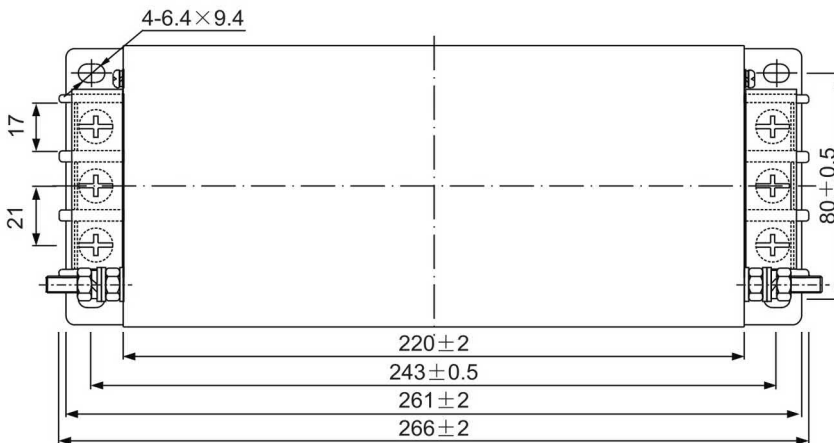
Insertion loss characteristics



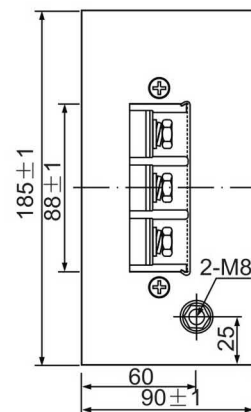
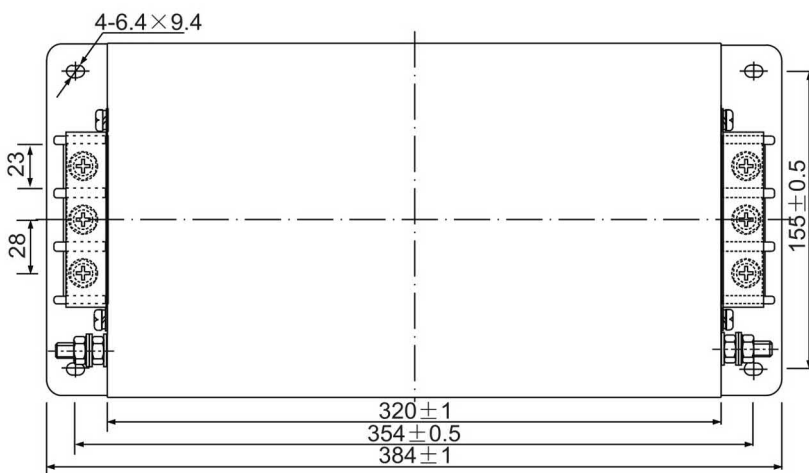
Mechanical packaging



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