

EBK5 Series

High Performance Power-Line Filters (5-1000A)



Typical application

- Power supplies for industrial installations such as inverter for speed control systems

Features and benefits

- Wide range of rated current
- Moderate 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

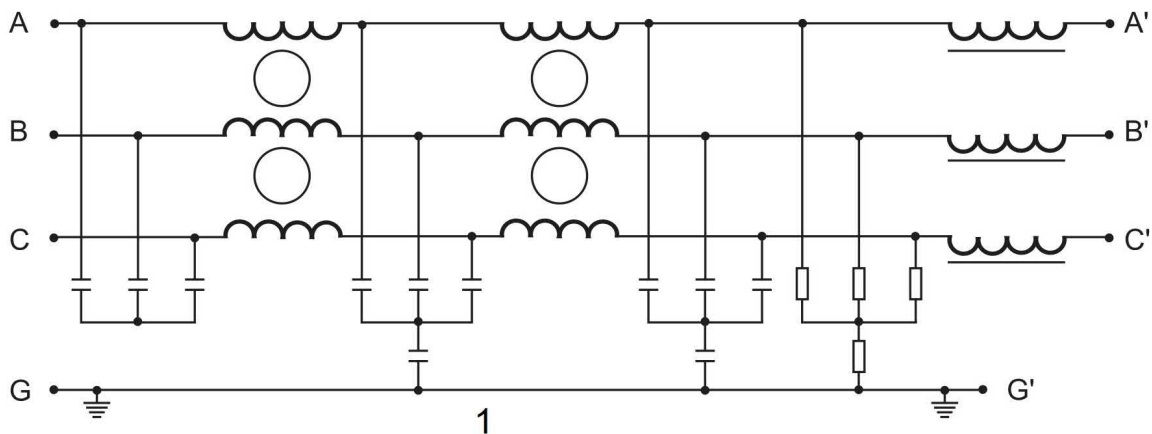
	Symbol	Value	Unit	Remarks
Rated voltage	V_R	480/275	VAC	
Rated current	I_R	5 ... 1000	A	
Ground capacitance		200 ... 940	nF	
Operating frequency	f_{op}	50/60	Hz	
Insertion loss		up to 100/100	dB	common/dfferential mode
Leakage current	I_l	---	mA	
Operating temperature	T_{amb}	-40 ... +85	°C	
Storage 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

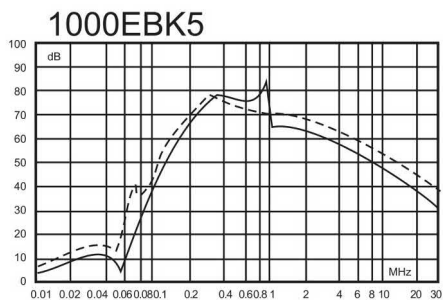
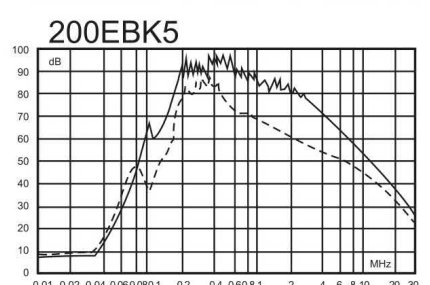
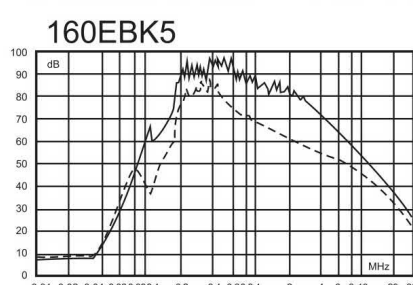
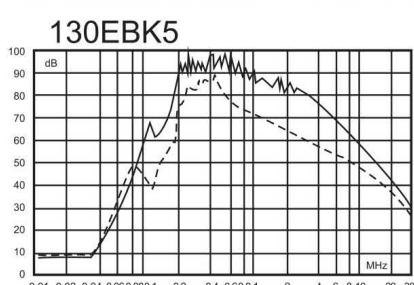
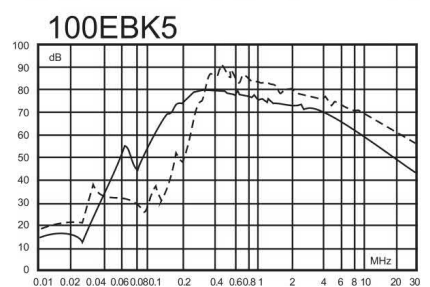
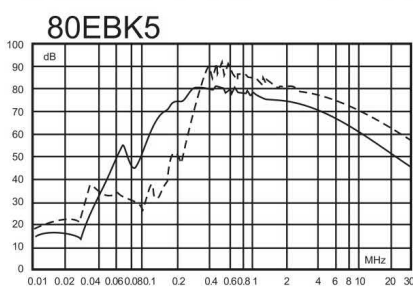
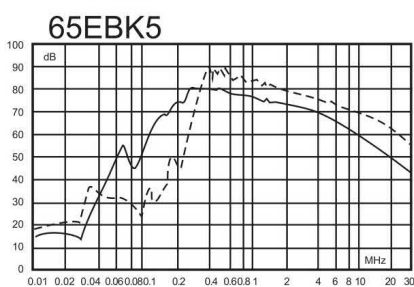
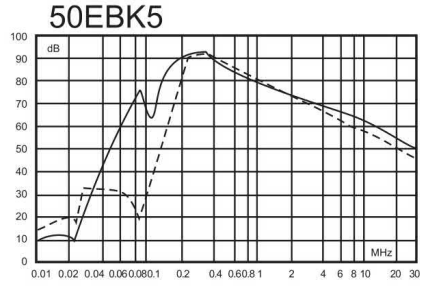
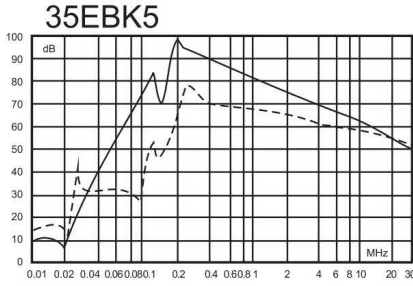
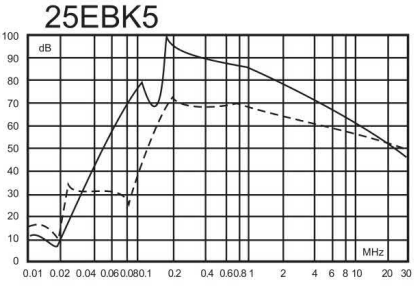
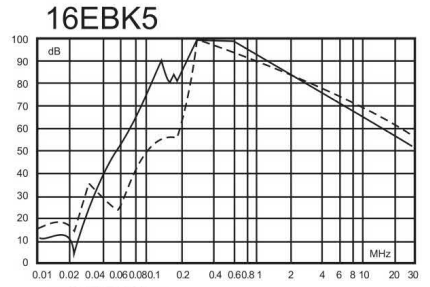
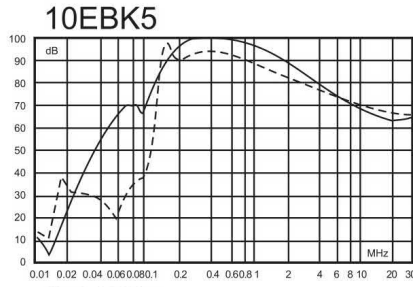
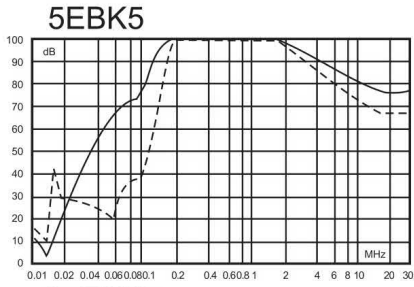
Model	Connection		Rated Current [A]	Ground Capacitance [nF]	Discharge Resistance [MΩ] (R1-3/R0)	Circuit Diagram	Package Type	Size (LxBxH) [mm]
	Line	Load						
DL-5EBK5	S	S	5	200	1.5/0.68	1	1	202x42x60
DL-10EBK5	S	S	10	200	1.5/0.68	1	1	
DL-16EBK5	S	S	16	200	1.5/0.68	1	1	
DL-25EBK5	S	S	25	200	1.5/0.68	1	1	
DL-35EBK5	S	S	35	200	1.5/0.68	1	1	
DL-50EBK5	S	S	50	320	1.5/0.68	1	1	261x58x70
DL-65EBK5	S	S	65	320	1.5/0.68	1	1	
DL-80EBK5	S	S	80	320	1.5/0.68	1	1	
DL-100EBK5	S	S	100	320	1.5/0.68	1	1	
DL-130EBK5	S	S	130	320	1.5/0.68	1	1	
DL-160EBK5	S	S	160	690	1.5/0.68	1	1	384x66x155
DL-200EBK5	S	S	200	690	1.5/0.68	1	1	
DL-1000EBK5	B	B	1000	940	1.5/0.68	1	1	

Legend: S = screw terminal B = bus bar

Circuit schematic

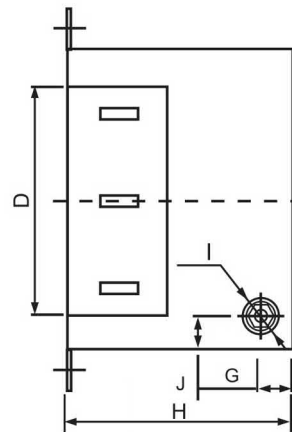
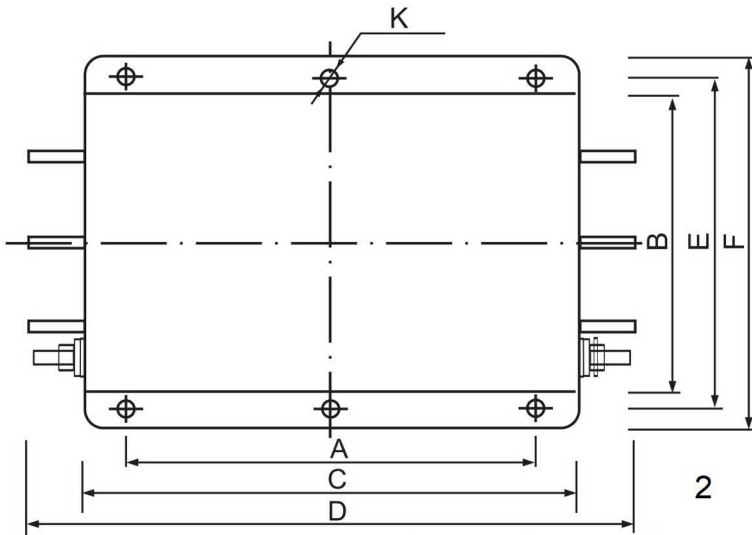
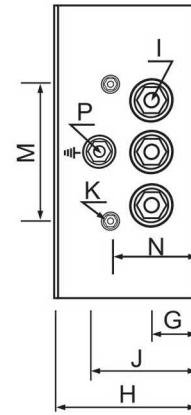
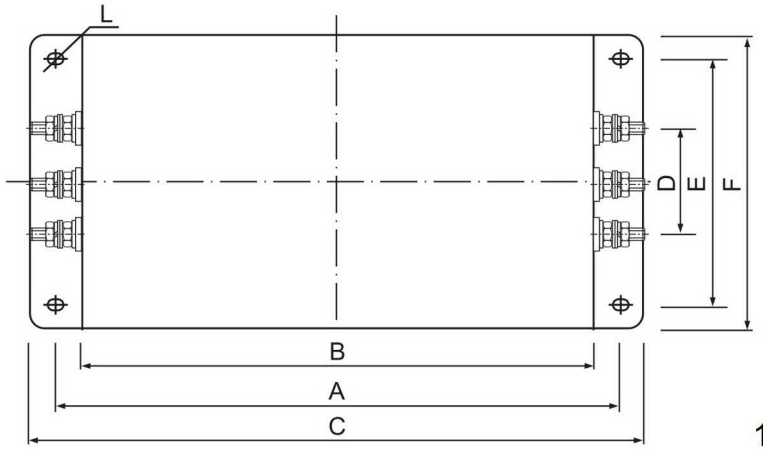


Insertion loss characteristics



_____ Common Mode
 - - - - - Differential Mode

Mechanical packaging



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