

**High-current Three Phase mains filters
(3 connections)
Very High Attenuation (280 A - 1000 A)**

**Series CNW 100
Type CNW 107/....**

Applications:

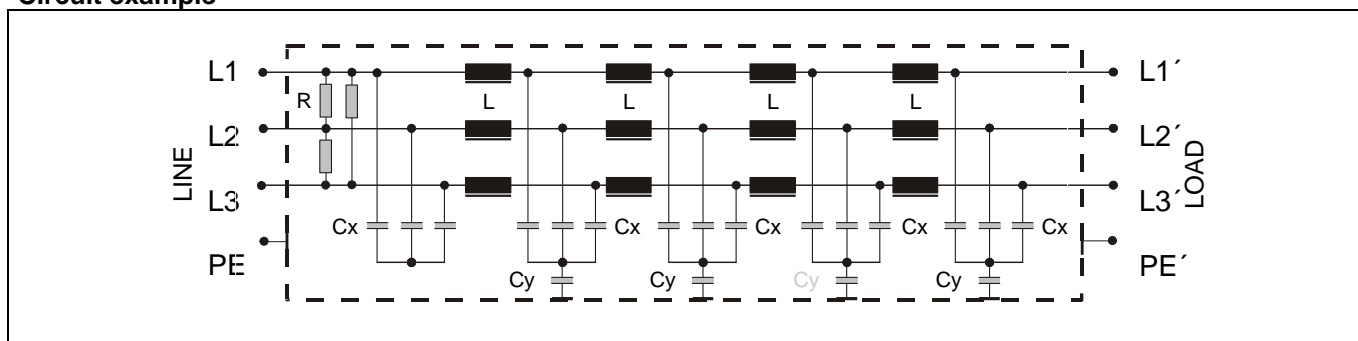
Controlled three phase drives with frequency inverter.

- **Packing machines**
- **Automatic production machines**
- **Cranes**
- **Pumping apparatus**
- **Frequency drives**
- **Power electronics**
- **Suppression for higher power ratings**



conforming to VDE 0565-3/IEC 950/UL 1283	Test voltage L-N 2100 V,DC 1s L/N-PE 2700 V,DC 1s
Overload 1,5 x rated current 1 min / h	Climatic rating DIN IEC 68 Teil 1 25/085/21

Circuit example



Benefits:

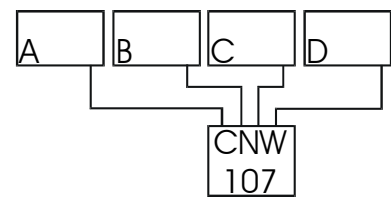
- | | | |
|--|---|---|
| <ul style="list-style-type: none"> • Protection against surges • Short term overload protection • Compact design • Reduced losses • Easy installation | <ul style="list-style-type: none"> • Good heat dissipation • Bus bar connections • Standard construction for all current ratings • Reduced weight | <ul style="list-style-type: none"> • Improved power factor • Reduces tripping • Semiconductor life extended • CE Mark |
|--|---|---|

Technical data

Type	Rated voltage [V]	Rated current [A]	Leakage current [mA]	ΣC_x [μF]	ΣC_y [μF]	R [k Ω]
CNW 107/280	3 x 440	3 x 280	<100	19.8	13.2	100
CNW 107/500	3 x 440	3 x 500	<100	19.8	13.2	100
CNW 107/700	3 x 440	3 x 700	<100	19.8	13.2	100
CNW 107/1000	3 x 440	3 x 1000	<100	19.8	13.2	100

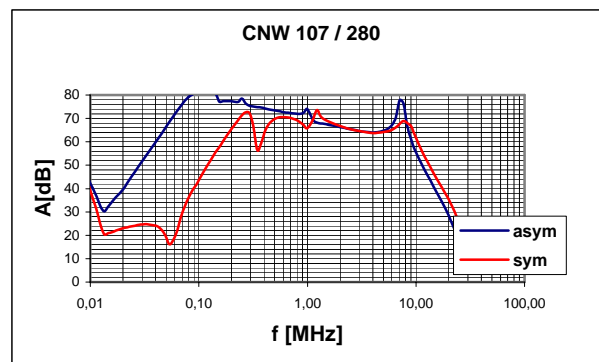
Frequency: 50/60 Hz

The CNW 107 EMC filter is conforming to the EMC requirements enables a general suppression of a variety of single and three phase components.



Example of Insertion loss

Other insertion losses on request

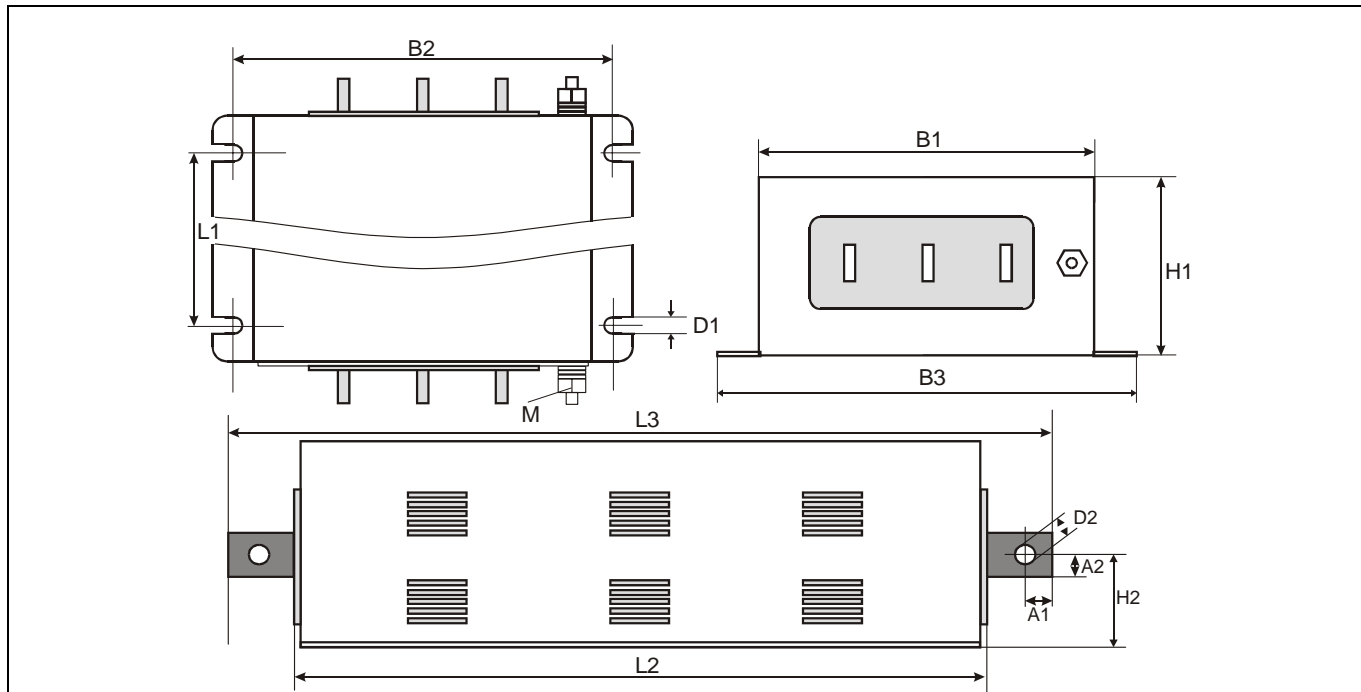


Per CISPR 17

Blue graph 50 Ω /50 Ω asym.

Red graph 50 Ω /50 Ω sym.

Dimension Drawing



Type	A1	A2	B1	B2	B3	L1	L2	L3	H1	H2	D1	D2	M	Anschluß Connection Connexion
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
CNW 107 / 280	15	15	300	320	360	400	480	680	170	85	8.5	11	12	30 x 5
CNW 107 / 500	20	20	300	320	360	400	480	680	170	85	8.5	13,5	12	40 x 5
CNW 107 / 700	20	20	300	320	360	400	480	680	170	85	8.5	13,5	12	40 x 10
CNW 107 / 1000	25	25	300	320	360	400	480	680	170	85	8.5	13,5	12	50 x 10