

Three-phase mains filters (3 lines) with Very High Attenuation for Inverters and Drives

Current: 300 A – 1200 A

Series CNW 110
Type CNW 114/....

Applications:

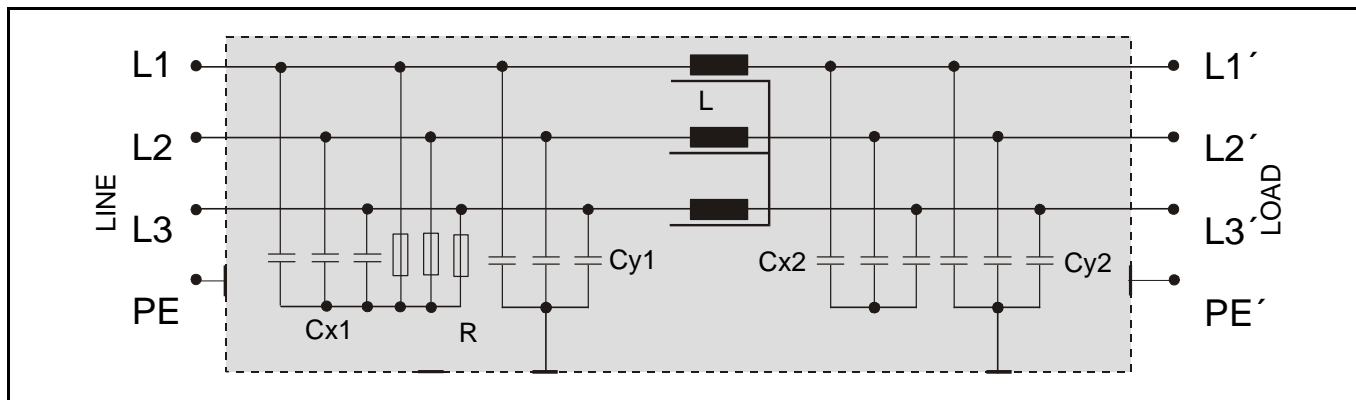
Controlled three phase drives with frequency inverter.

- Packing machines
- Automatic production machines
- Railways
- Cranes
- Pumping apparatus
- Wind power and solar energy plants



conforming to VDE 0565-3/ IEC 950/ UL 1283	Test voltage L-L 2100 V, DC 1 s L-PE 2700 V, DC 1s
Overload 1,5 x rated current 1 min / h	Climatic rating DIN IEC 60068-1

Circuit example



Benefits:

- Compact design
- Reduced weight
- Easy installation
- Reduced losses
- Mechanical stress reduction
- Low heating
- low noise
- simple connection
- Temperature reduction
- Reduced harmonic distortions
- Improved power factor
- Reduces tripping
- Semiconductor life extended
- CE Mark

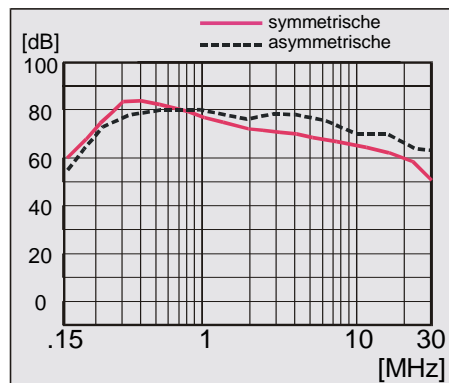
Technische Daten • Technical data • Données techniques

Type	Rated voltage [V]	Rated current [A]	Leakage current [mA]	ΣC_x [μF]	ΣC_y [μF]	L [mH]	R [M Ω]
CNW 114/300	3 x 440	3 x 300	<260	10	2,6	0,3	1,5
CNW 114/450		3 x 450	<760	22	2,6	0,28	1,5
CNW 114/600		3 x 600	<760	22	2,6	0,28	1,5
CNW 114/900		3 x 900	<760	22	2,6	0,015	1,5
CNW 114/1200		3 x 1200	<760	22	2,6	0,015	1,5

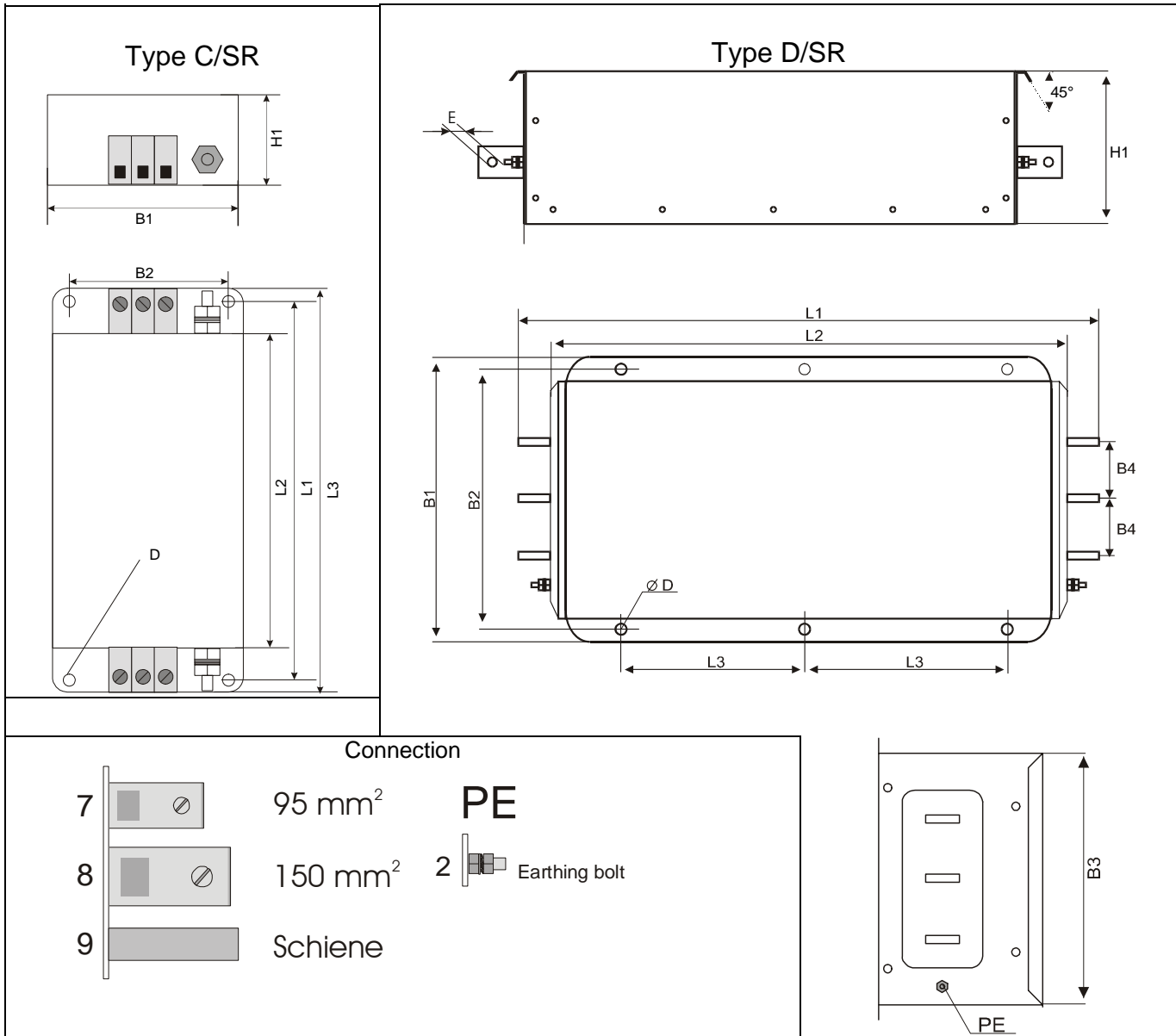
Frequency: 50/60 Hz

<p>When electronic components are mounted into a cabinet, in most of the cases the same circuits with different power are required. To avoid permanent modifications several power ranges can be combined. The filters of this series, within the most important power range, have equal fixing dimensions, so that the filters can be replaced.</p>	<p>Equal fixing dimensions for different currents</p> <ol style="list-style-type: none"> 1.) 300 A 2.) 450 A, 600 A 3.) 900 A, 1200 A
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Typical attenuation



Dimension Drawing



Type	Dimensions										Casing	Connection	PE-Connection
	B1	B2	B3	B4	D	E	H1	L1	L2	L3			
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]			
CNW 114/300	260	220	-	-	9	-	130	660	530	700	C/SR	8 (150 mm ²)	2 (M10)
CNW 114/450	300	275	250	60	9	10.5	160	610	516	210	D/SR	9 (25x8)	2 (M12)
CNW 114/600	300	275	250	60	9	10.5	160	630	516	210	D/SR	9 (30x8)	2 (M12)
CNW 114/900	300	275	250	60	9	13	160	716	516	210	D/SR	9 (50x10)	2 (M12)
CNW 114/1200	300	275	250	60	9	13	160	716	516	210	D/SR	9 (60x10)	2 (M12)