Contatti REO Italia:
+39 030 279 3883 •
info@reoitalia.it

CNW 961

Three-phase sinusoidal filter Plus++



Unique Selling Point

- Distortion factor Uout < 5%
- Use of unschielded cables
- Low EMC influence of conductors laid in parallel
- Simple integral EMC filter in the inverter sufficient
- No need for external line filters
- Compact and low noise construction

Description

The REO Sinusfilter Plus++ enables to suppress interference not only on line cables to the motor but also to earth conductors.

The REO Sinusfilter Plus++ also feeds incurring bearing currents into the DC-link so that these may not cause any damage to the mechanics. REO Sinusfilter Plus++ is used in any kind of application which requires safe mechanical continuous power and reliability.

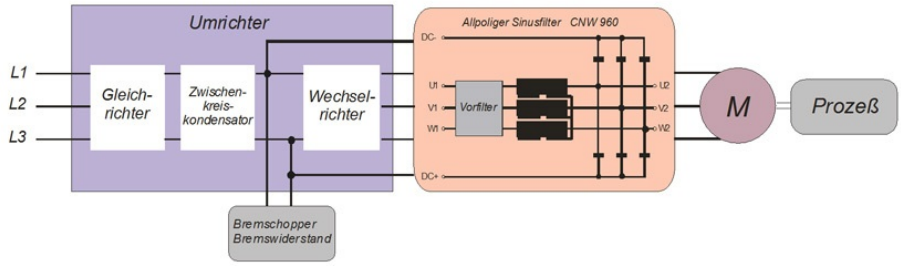
Examples of such applications are: Water treatment – especially heat pumps – and materials' safety in general.

- Conforming to: EN 61558-2-20
- Test voltage: L-L 1000 V, DC 1 min; L-PE 2500 V, DC 1 min
- Rated voltage: U = 3 x 500 V
- Insulation material class: T40/B
- Climartic category: DIN IEC 60068-1
- Overload: 1,5 x INenn 1 min / h

Technical Data

- Nominal Voltage : 500 V
- Rated current : 2 - 60 A
- Inductance per strand : 0,91 - 33,4 mH

Circuit example



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Technical data

Type	Rated voltage [V]	Rated current [A]	Inductance [mH]	Capacity [µF]	Copper [kg]	Weight [kg]
CNW 961 / 2	up to 3 x 500	2	33,4	0,11	1,4	5,2
CNW 961 / 4		4	16,7	0,34	1,65	5,5
CNW 961 / 6		6	11,0	0,50	3,0	5,8
CNW 961 / 10		10	6,60	1,10	4,5	9,1
CNW 961 / 16		16	4,20	1,10	5,0	13,0
CNW 961 / 24		24	2,83	1,50	6,5	17,3
CNW 961 / 30		30	2,20	2,20	12,0	37,0
CNW 961 / 37		37	1,64	2,20	12,5	38,0
CNW 961 / 48		48	1,41	3,30	16,2	42,0
CNW 961 / 60		60	0,91	4,70	17,0	62,0

Important!

Minimum clock frequency 8 kHz: The inverter charge is increased by the feedback into the DC link. Please ensure that the inverter is suitable!

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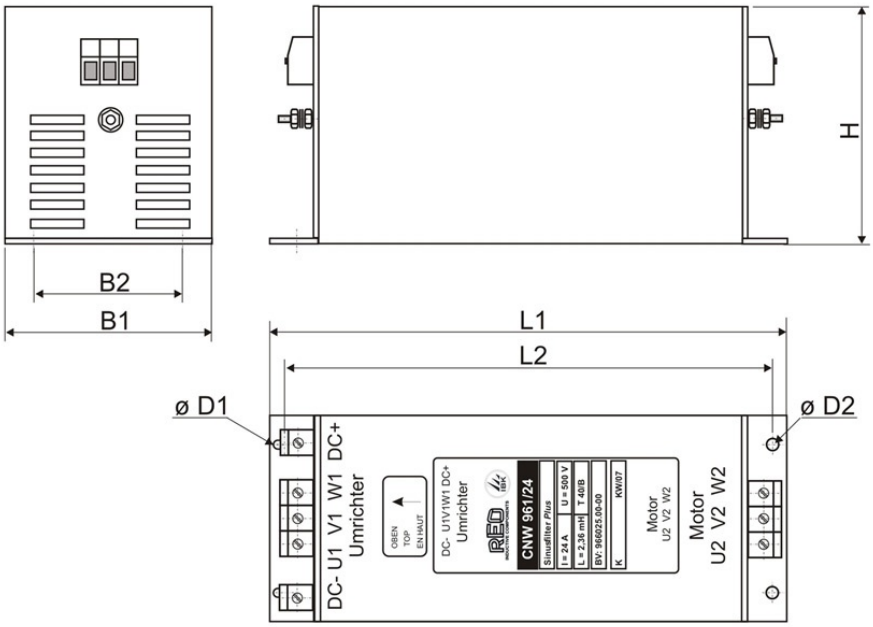
Dimension drawings



Dimensions

Type	Dimensions								Connection	
	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm]	H [mm]	Ø D1 [mm]	Ø D2 [mm]	PE bolt [mm]	Inverter [Terminals]	Motor [Terminals]
CNW 961 / 2	366	351	90	60	175	7	7x10	M6	4 mm²	4 mm²
CNW 961 / 4	366	351	90	60	175	7	7x10	M6	4 mm²	4 mm²
CNW 961 / 6	366	3541	90	60	175	7	7x10	M6	4 mm²	4 mm²
CNW 961 / 10	470	455	90	60	175	7	7x10	M6	4 mm²	4 mm²
CNW 961 / 16	525	500	150	110	190	9x15	9x15	M6	4 mm²	4 mm²
CNW 961 / 24	655	630	150	110	190	9x17	9x17	M6	6 mm²	6 mm²
CNW 961 / 30	608	584	300	200	230	9x17	9	M6	16 mm²	16 mm²
CNW 961 / 37	608	584	300	200	230	9x17	9	M6	16 mm²	16 mm²
CNW 961 / 48	620	570	300	200	245	9	9	M6	16 mm²	16 mm²
CNW 961 / 60	620	570	350	250	242	9	9	M6	25 mm²	25 mm²

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