

CNW 961

Three-phase sinusoidal filter Plus⁺⁺

Advantages

- Distortion factor U off < 5%
- Use of unshielded cables is possible
- Low EMC interference from parallel conductors
- Simple internal EMC filter sufficient in the frequency converter
- No external mains filters required
- Compact and low-noise

Description

- According to: EN 61558-2-20
- Test voltage: L-L 1000 V, DC 1 min; L-PE 2500 V, DC 1 min
- Nominal voltage: U = 3 x 500 V
- Insulation class: T40/B
- Climate category: DIN IEC 60068-1
- Overload: 1.5 x I_{Rated} 1 min/h



Technical details

CNW 961						
Type	Nominal voltage [V]	Nominal current [A]	Inductance Total [mH]	Capacitance [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	1,7	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



Minimum clock frequency 8 kHz. The inverter load is increased by feedback into the DC Link. Please check if the inverter is suitable for this!

Typical applications: Water treatment - in particular heat pumps and material safety in general. With the REO Sinusoidal Filter Plus⁺⁺, not only the mains leads to the motor, are suppressed but also the Earth conductor. Bearing currents generated in the motor are fed through the REO Sinusoidal Filter Plus⁺⁺ into the DC link so that they cannot cause mechanical damage. The REO Sinusoidal Filters Plus⁺⁺ are used wherever safe continuous mechanical performance and reliability are required.

Dimensions in mm

CNW 961										
Type	Dimensions							Connections		
	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm]	H [mm]	Ø D1 [mm]	Ø D2 [mm]	PE-Bolt [mm]	Converter [Clamp]	Motor [Clamp]
CNW 961 / 2	366	351	90	60	175	7	7 x 10	M6	4 mm ²	4 mm ²
CNW 961 / 4	366	351	90	60	175	7	7 x 10	M6	4 mm ²	4 mm ²
CNW 961 / 6	366	3541	90	60	175	7	7 x 10	M6	4 mm ²	4 mm ²
CNW 961 / 10	470	455	90	60	175	7	7 x 10	M6	4 mm ²	4 mm ²
CNW 961 / 16	525	500	150	110	190	9 x 15	9 x 15	M6	4 mm ²	4 mm ²
CNW 961 / 24	655	630	150	110	190	9 x 17	9 x 17	M6	6 mm ²	6 mm ²
CNW 961 / 30	608	584	300	200	230	9 x 17	9	M6	16 mm ²	16 mm ²
CNW 961 / 37	608	584	300	200	230	9 x 17	9	M6	16 mm ²	16 mm ²
CNW 961 / 48	620	570	300	200	245	9	9	M6	16 mm ²	16 mm ²
CNW 961 / 60	620	570	350	250	242	9	9	M6	25 mm ²	25 mm ²

