Contatti REO Italia:
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CNW 931

Single-phase sinusoidal filter 6,15% Uk



Unique Selling Point

- Low temperature rise
- Low noise
- Manufacturing according to UL Insulation System E 251513 possible
- Easy installation
- Adaptation to motor cables up to 1000 meters possible
- Saving of the shielded cable possible

Description

Smoothing of the current and voltage in order to realize long connecting paths.

- Ambient temperature: 50 °C
- Protection rating: IP 00
- Insulation class: F
- Linearity: LN bei 1,2 x IN u. ≥ 0,8 x LN bei 1,5 x IN
- Test voltage: 3 kV
- Rated voltage: 230 V
- Uk: 6.15 %
- Overload category: 2
- Pollution degree: 2
- Cooling: AN
- Switching frequency: ≥ 4 kHz
- Current ripple: ≤ 20 % bei 4 kHz

Technical Data

- Nominal Voltage : 230 V
- Rated current : 3 - 16 A
- Inductance per strand : 2,8 - 15 mH

Circuit example



Last modified: 27.03.2018. All data is provided to the best of our knowledge and awareness and is subject to error and amendment.

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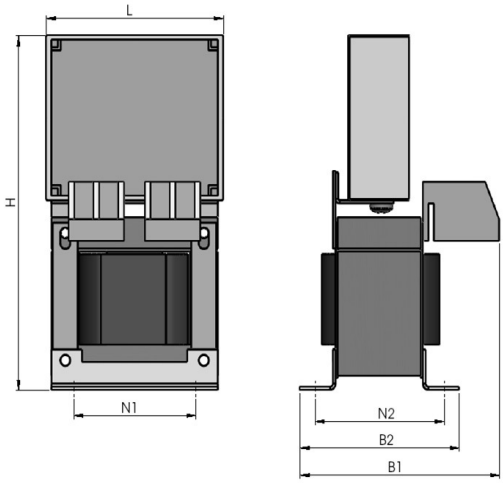
Technical data

Type	Rated current [A]	Inductance [mH]	Resistance R20 [mΩ]	Capacity [µF]	Power loss [W]	Uk @ 230 V	Uk @ 133 V	Uk @ 400 V	Copper [kg]
CNW 931/3	3	15	349,5	6.8	17	6,2 %	10,6 %	3,5 %	0,15
CNW 931/4	4	11.3	275,2	10	22	6,2 %	10,7 %	3,6 %	0,23
CNW 931/6	6	7.5	133,1	10	29	6,2 %	10,6 %	3,5 %	0,29
CNW 931/8	8	5.6	94,4	20	33	6,1 %	10,6 %	3,5 %	0,33
CNW 931/10	10	4.5	62,2	20	37	6,2 %	10,6 %	3,5 %	0,53
CNW 931/12	12	3.75	59,9	20	43	6,2 %	10,6 %	3,5 %	0,64
CNW 931/16	16	2.8	43,4	20	56	6,1 %	10,6 %	3,5 %	0,82

Dimension drawings



Dimensions

Type	L [mm]	B1 [mm]	B2 [mm]	H [mm]	N1 [mm]	N2 [mm]	Terminal [mm²]	Weight [kg]
CNW 931/3	64	72	59	115	44	47	1.5 mm²	0.9
CNW 931/4	66	74	64	130	50	49	1.5 mm²	1.1
CNW 931/6	83	80	69	153	56	56	1.5 mm²	1.8
CNW 931/8	83	80	69	153	56	56	2.5 mm²	1.9
CNW 931/10	84	90	84	160	71	71	2.5 mm²	2.5
CNW 931/12	96	86	86	170	80	71	2.5 mm²	3
CNW 931/16	96	110	110	170	80	95	2.5 mm²	4.4

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