Your contact:
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CNW 304

Filtercombination (single stage)



Unique Selling Point

- Easy installation
- Small footprint
- Reduction of cable looms in control panels
- Attenuation of higher harmonics
- Low hum vacuum impregnated choke
- Reduced start-up current
- The choke is rated for a short-circuit voltage of 4%, at rated current, as standard

Description

Applications: Interference suppression of frequency converters with IGBTs and reduction of harmonics (conforming to VDE 0160/EN 61800-3 class B).

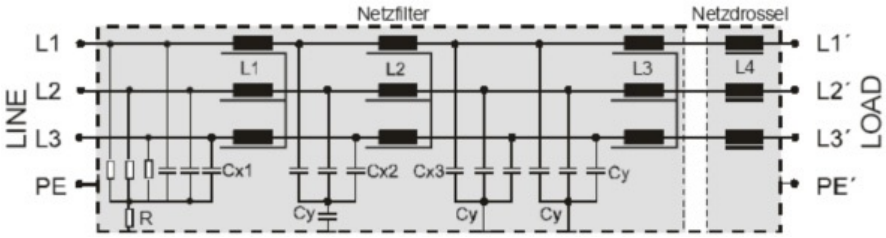
- Conforming to: VDE 0565-3 / IEC 950 / UL 1283
- Test voltage: L-L 2100 V, DC 1s, L-PE 2700 V, DC 1s
- Overload: 1,5 x I 1 min/h
- Climatic category: DIN IEC 68 Teil 1 25/085/21

Technical Data

- Nominal Voltage : 400 V
- Rated current : 80 - 150 A

By using a mains choke the upper harmonics are reduced and the starting current is limited. This increases the efficiency and discharges the leads.

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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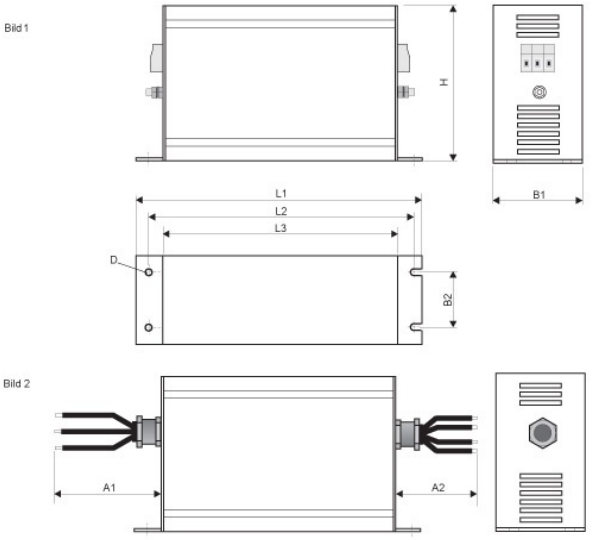
Filtercombination (single stage)

Technical data

Type	Rated voltage [V]	Rated current [A]	Leakage current [mA]	L [mH]	Cx [µF]	Cy [nF]	Rx [k]	Ry [k]
CNW 304/80	3 x 400	80	<35	1,2	1,5	600	560	560
CNW 304/120		120	<35	0,5	3,5	870	560	560
CNW 304/150		150	<35	0,6	3,5	870	560	560

Dimensions



Type	Terminals	Earth	L 1 [mm]	L 2 [mm]	L 3 [mm]	B1 [mm]	B2 [mm]	H1 [mm]
CNW 304/80	50 mm2	M10	330	315	290	190	120	216
CNW 304/120	50 mm2	M10	440	420	400	280	200	248
CNW 304/150	50 mm2	M10	440	420	400	280	200	248

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