Three-phase mains filters (3 lines) - CNW 203

16A 480V 3 Line EMC Filter With high attenuation, screw terminals CNW203/16 BOOK

- easy installation
- good heat dissipation

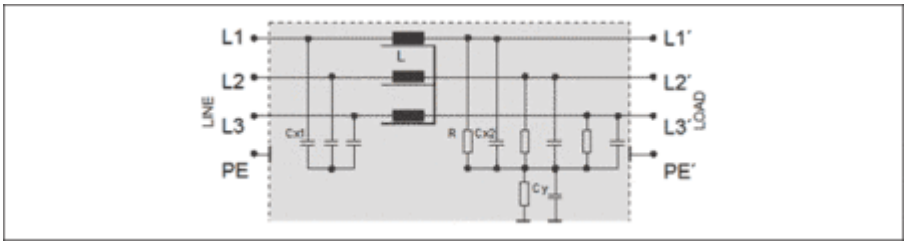
- small mounting surface in the cabinet
- suitable for use with most frequency converters
- terminal or cable connection
- special cable lengths on request
- UL approval for 16 A
- high damping with small leakage current
- Frequency: 50/60 Hz

Description

Suitable for use with Frequency converters for motor drives, wind power installations and power supply units.

- 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 catagory: DIN IEC 68 Part 1 25/085/21

Circuit example



Technical Data

Rated Voltage	480 V
Rated Current	16 A
Inductance	3,7 mH
Leakage Current	<30 mA

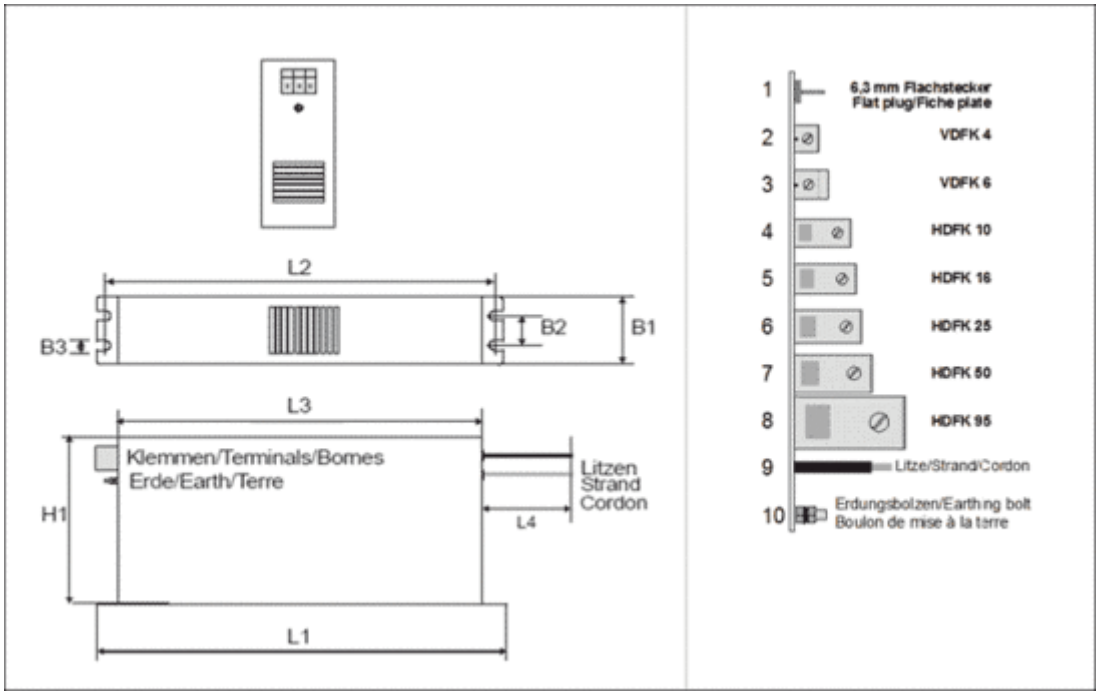
Type	Rated voltage [V]	Rated current [A] 45°C	Leakage current [mA]	L [mH]	Cx [µF]	Cy [nF]	R [kOhm]
CNW 203/16/SE	480 V	16	<30	3,7	1,7	0,7	560
CNW 203/25/SE		25	<30	1,9	1,7	0,7	560
CNW 203/36/SE		36	<30	1,3	1,7	0,7	560
CNW 203/50/SE		50	<30	0,9	2,5	1,6	560

Recommended filter for suppressing interference according to EN 55011, Class A and EN 61800-3, category C2

By using the REO-Type
CNW 201 1-phase-filters, noise levels are reduced to within the European Standard limits specified in EN 50081-2. The filter creates by using a EMC-compliant and single step design a good damping result. This allows the using of the filter in residential areas with strict requirements.

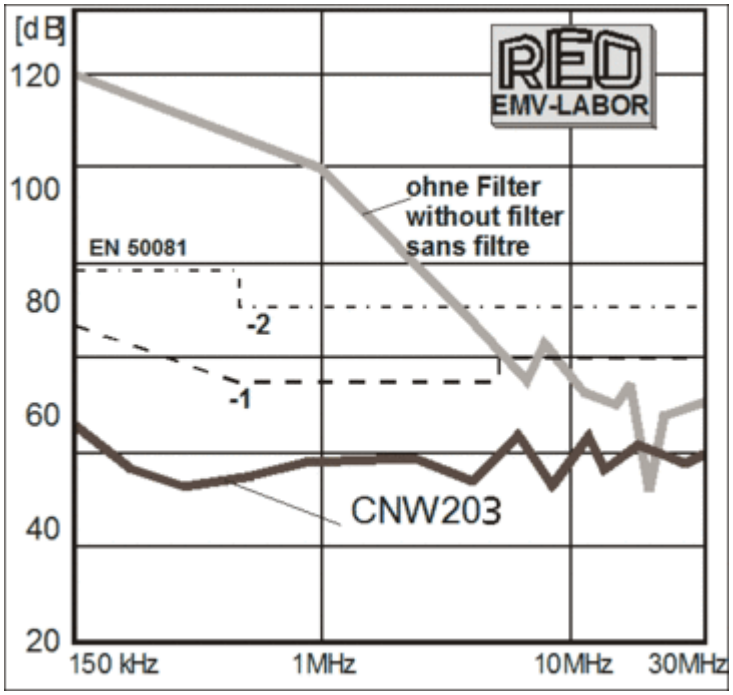
-1 Residential area
-2 Industrial area

Dimension drawing

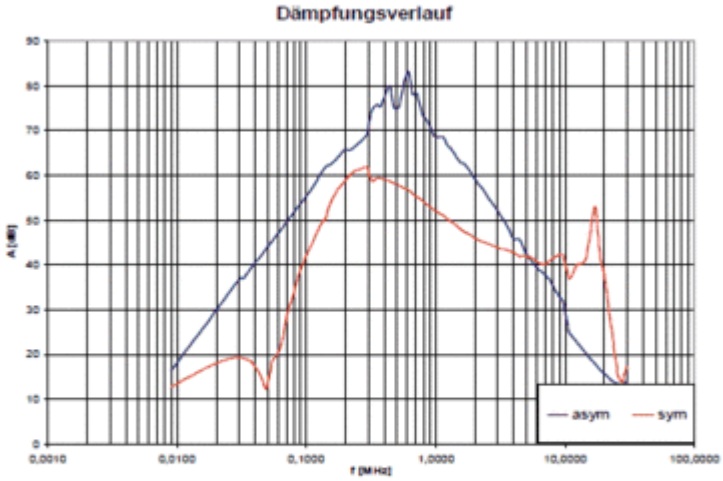


Type	Dimensions								Connections		
	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	B1 [mm]	B2 [mm]	B3 [mm]	H1 [mm]	Input	Output	PE-Connection
CNW 203/16/SE	230	215	200	300	50	25	7,0	80	2	9 (2,5 mm2)	M6x25
CNW 203/25/SE	230	215	200	300	50	25	7,0	80	2	9 (4 mm2)	M6x25
CNW 203/36/SE	280	265	250	400	60	35	7,0	150	3	9 (6 mm2)	M6x25
CNW 203/50/SE	330	315	300	500	56	35	7,0	150	5	9 (10 mm2)	M6x25

Typical attenuation



CNW 203/16/SE



Per CISPR 17

Blaue Kurve 50Ω/50Ω asym.	Rote Kurve 50Ω/50Ω sym.
Blue graph 50Ω/50Ω asym.	Red graph 50Ω/50Ω sym.
Tracé bleu 50Ω/50Ω asym.	Tracé rouge 50Ω/50Ω sym.