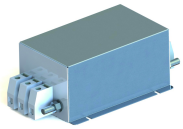
Contatti REO Italia:
+39 030 279 3883 •
info@reoitalia.it

CNW 103

Three-phase mains filters (3 lines, single-stage)



Unique Selling Point

- compact construction
- easy installation
- low temperature rise
- touch-proof terminals
- good damping performance at
- a low leakage current
- useable for industrial applications
- UL approval for the complete model range

Description

Applications: Frequency converters for motor drives (e.g. lifts, materials handling, pumps, ventilation and air-conditioning systems, industrial applications, 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 category: DIN IEC 68 Teil 1 25/085/21

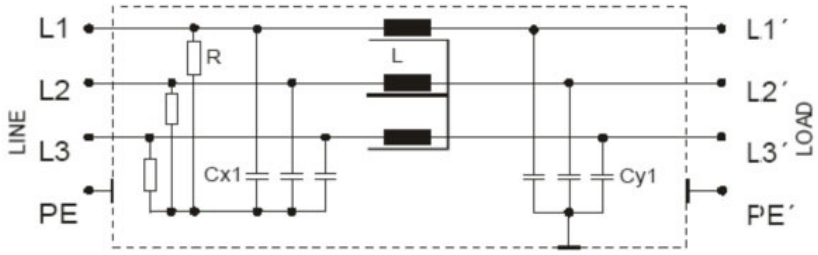
Technical Data

- Nominal Voltage : 480 V
- Rated current : 3 - 150 A

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

For space and for assembly reasons it may be reasonable to use connections other than terminals. If the filter is always fitted in the same place, REO can build your individual filter- whether with bolts, cable or other connections.

Circuit example



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Technical data

Type	Rated voltage [V]	Rated current [A]	Leakage current [mA]	Cx [µF]	Cy [nF]	L [mH]	R [kOhm]
CNW 103/3	3 x 480	3 x 3	<3,5	0,5	30	3,0	560
CNW 103/6		3 x 6	<3,5	0,5	30	2,2	560
CNW 103/10		3 x 10	<3,5	0,5	30	1,7	560
CNW 103/16		3 x 16	<7	1,0	40	1,5	560
CNW 103/25		3 x 25	<7	1,0	60	1,2	560
CNW 103/36		3 x 36	<7	2,2	60	1,5	560
CNW 103/50		3 x 50	<7	2,2	60	0,9	560
CNW 103/80		3 x 80	<16	3,5	108	0,4	560
CNW 103/120		3 x 120	<16	2,7	190	0,25	560
CNW 103/150		3 x 150	<16	2,5	125	0,8	560

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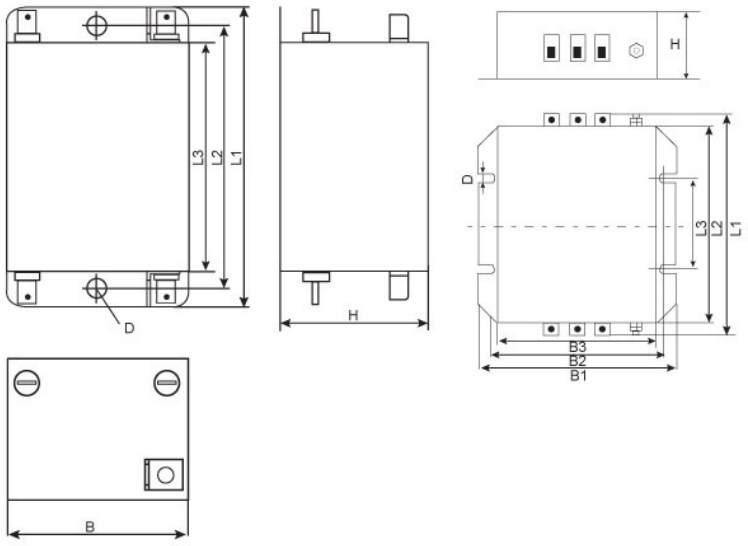
Dimensions



Type	Housing	Connection	PE-Connection	B1 [mm]	B2 [mm]	B3 [mm]	D [mm]	H [mm]	L1 [mm]	L2 [mm]	L3 [mm]
CNW 103/3	A	Flat plug 6,3x0,8 mm	Flat plug 6,3x0,8 mm	53	---	---	5,3	40	110	100	90
CNW 103/6	A	Flat plug 6,3x0,8 mm	Flat plug 6,3x0,8 mm	53	---	---	5,3	40	110	100	90
CNW 103/10	A	Flat plug 6,3x0,8 mm	Flat plug 6,3x0,8 mm	53	---	---	5,3	40	110	100	90
CNW 103/16	B	Terminals 4 mm2	Earthing bolt (M5)	98	81	70	5,3	70	172	150	90
CNW 103/25	B	Terminals 6 mm2	Earthing bolt (M5)	98	81	70	5,3	70	180	150	90
CNW 103/36	B	Terminals 10 mm2	Earthing bolt (M5)	148	130	120	7,0	70	268	240	160
CNW 103/50	B	Terminals 10 mm2	Earthing bolt (M6)	148	130	120	7,0	70	268	240	160
CNW 103/80	B	Terminals 25 mm2	Earthing bolt (M8)	168	150	140	7,0	110	320	240	160
CNW 103/120	B	Terminals 50 mm2	Earthing bolt (M12)	168	150	140	7,0	110	327	240	160
CNW 103/150	B	Terminals 50 mm2	Earthing bolt (M12)	168	150	140	7,0	110	327	240	160

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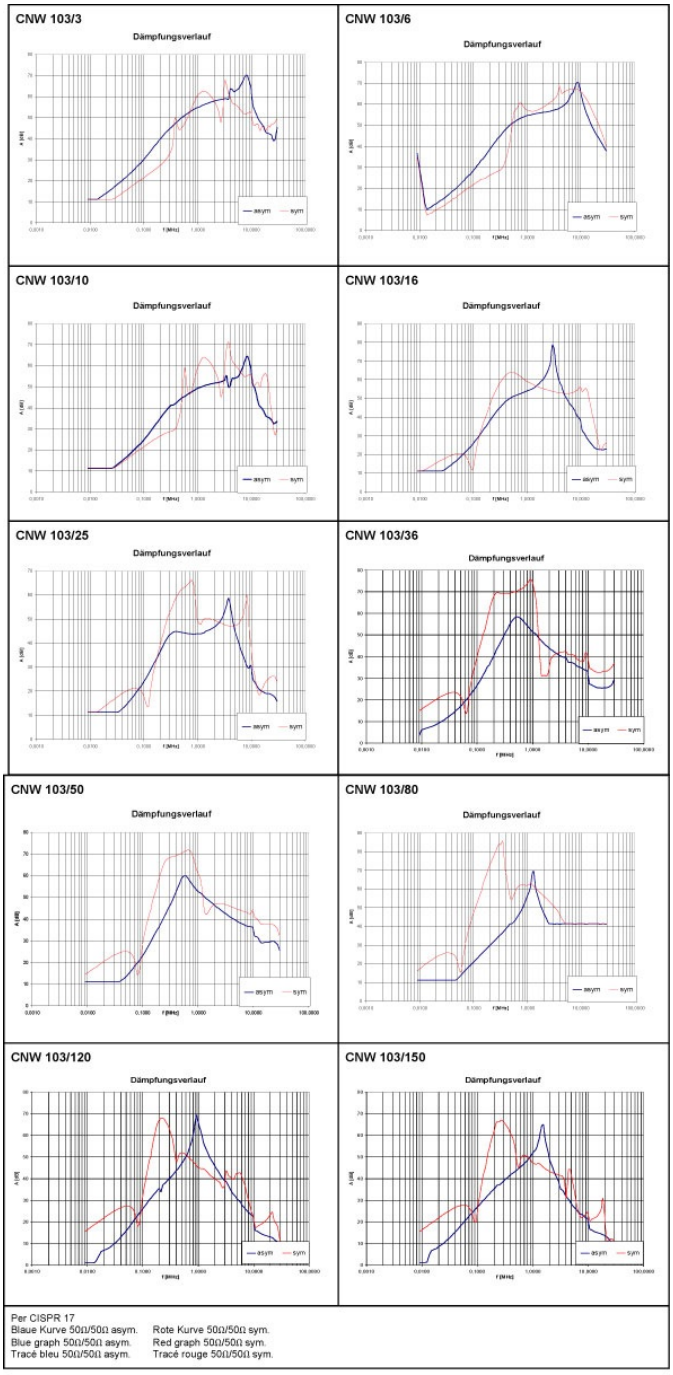
Insertion loss



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