

N CNW 854

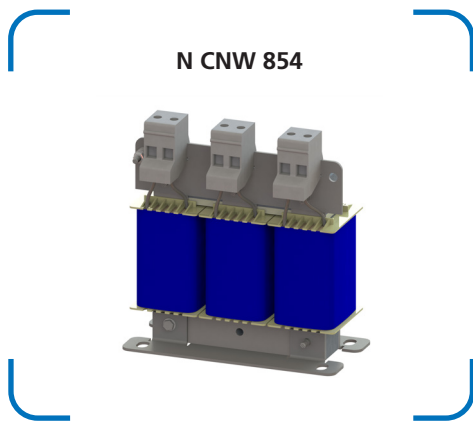
Three-phase motor choke

Advantages

- Protection for electrical loads
- Limitation of voltage rise to $< 200 \text{ V}/\mu\text{s}$
- Extended service life for electrical loads
- Reduction of audible motor noise
- Low leakage currents at the motor
- Longer motor cables possible
- Easy assembly
- Compact design
- Production according to UL insulation system E251513 possible

Description

- Nominal voltage: $U \leq 3 \times 500 \text{ V}$
- Reduction of the voltage rise DV/DT to $< 200 \text{ V}/\mu\text{s}$
- Rotating field frequency: $0 - 60 \text{ Hz}$
- Clock frequency of the inverter: up to $150 \text{ A} > 4 \text{ kHz}$, from $150 \text{ A} > 1.5 \text{ kHz}$
- According to: EN 60289 / EN 61558
- Test voltage: L-L 2500 V, AC/50 Hz 60 s; L-PE 2500 V, AC/50 Hz 60 s
- Insulation class: T40/F
- Protection class: IP 00
- Climate category: DIN IEC 60068-1
- Overload: $1.5 \times I_{\text{Rated}} 1 \text{ min/h}$
- Ambient temperature $40 \text{ }^\circ\text{C}$
- Design: Mounted on brackets



Technical details

N CNW 854							
Type	Nominal voltage U [V]	Nominal current I [A]	Inductance L [mH]	Losses P [W]	Weight [kg]	Weight Cu [kg]	Weight Al [kg]
N CNW 854 / 2	500 50 / 60 Hz	2	7,00	21	1,0	0,3	-
N CNW 854 / 4		4	3,60	26	1,1	0,5	-
N CNW 854 / 8		8	2,00	35	2,0	0,5	-
N CNW 854 / 10		10	1,70	44	2,2	0,9	-
N CNW 854 / 12		12	1,20	52	2,7	0,8	-
N CNW 854 / 16		16	0,90	54	2,8	0,9	-
N CNW 854 / 24		24	0,70	55	4,4	1,9	-
N CNW 854 / 30		30	0,50	40	4,5	0,9	-
N CNW 854 / 37		37	0,42	40	6,0	1,4	-
N CNW 854 / 48		48	0,32	60	7,0	1,9	-
N CNW 854 / 60		60	0,28	80	7,0	2,0	-
N CNW 854 / 75		75	0,22	100	8,0	1,4	-
N CNW 854 / 90		90	0,17	80	10,0	1,9	-
N CNW 854 / 115		115	0,14	150	14,0	1,6	-
N CNW 854 / 150		150	0,11	170	16,0	3,1	-
N CNW 854 / 180		180	0,09	160	18,0	3,2	-
N CNW 854 / 200		200	0,08	170	23,0	2,8	-
N CNW 854 / 250		250	0,065	240	24,0	3,8	-
N CNW 854 / 300		300	0,053	380	44,0	1,5	2,7
N CNW 854 / 350		350	0,046	330	55,0	2,6	4,6
N CNW 854 / 400		400	0,041	380	58,0	2,6	4,9
N CNW 854 / 500		500	0,032	520	63,0	2,6	5,2
N CNW 854 / 600		600	0,028	650	65,0	5,0	5,9
N CNW 854 / 700		700	0,024	820	86,0	5,0	5,7
N CNW 854 / 800	800	0,021	710	108,0	6,6	9,0	
N CNW 854 / 900	900	0,018	800	114,0	13,8	7,6	
N CNW 854 / 1000	1000	0,016	900	114,0	13,8	7,6	
N CNW 854 / 1200	1200	0,013	1170	122,0	13,8	8,0	

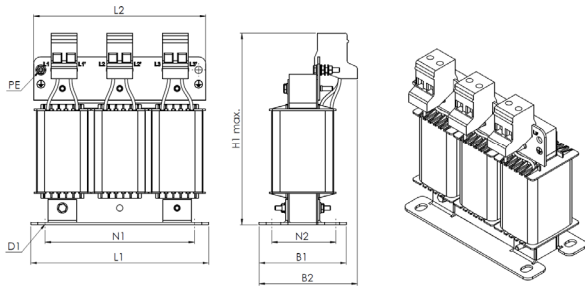


Typical applications: Drive systems for motor drives, mechanical engineering, elevators / escalators, pipes, conveyor technology, ventilation and air conditioning, robotics, automation technology, power supplies, wind turbines

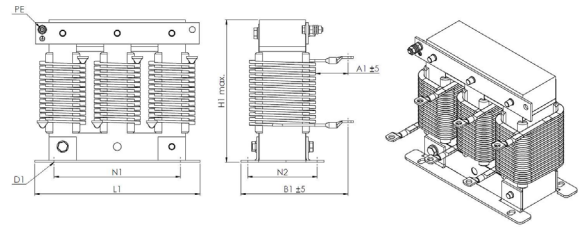
Dimensions in mm

N CNW 854														
Type	Length		Width		Height	Mounting			Clamps/ Cross section [mm ²]	Connection				Design
	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm]	H1 [mm]	N1 [mm]	N2 [mm]	D1 [mm x mm]		Angle [mm x mm]	A1 [mm]	D2 [mm]	PE Ø [mm]	
N CNW 854 / 2	80	96	45	55	110	56	34	5 x 8	2.5	-	-	-	M4	1
N CNW 854 / 4	80	96	45	55	110	56	34	5 x 8	2.5	-	-	-	M4	1
N CNW 854 / 8	80	96	55	65	110	56	43	5 x 8	2.5	-	-	-	M4	1
N CNW 854 / 10	125	120	61	66	130	100	45	5 x 8	2.5	-	-	-	M4	1
N CNW 854 / 12	125	120	71	67	130	100	55	5 x 8	2.5	-	-	-	M4	1
N CNW 854 / 16	125	120	71	67	130	100	55	5 x 8	2.5	-	-	-	M4	1
N CNW 854 / 24	155	150	76	86	170	130	54	8 x 12	10	-	-	-	M4	1
N CNW 854 / 30	155	-	110	-	130	130	54	8 x 12	16 (M6)	-	40	-	M6	2
N CNW 854 / 37	155	-	125	-	130	130	69	8 x 12	16 (M6)	-	40	-	M6	2
N CNW 854 / 48	190	-	115	-	160	170	57	8 x 12	16 (M8)	-	40	-	M8	2
N CNW 854 / 60	190	-	115	-	160	170	57	8 x 12	16 (M8)	-	40	-	M8	2
N CNW 854 / 75	190	-	125	-	160	170	67	8 x 12	16 (M8)	-	40	-	M8	2
N CNW 854 / 90	190	-	135	-	160	170	77	8 x 12	16 (M8)	-	40	-	M8	2
N CNW 854 / 115	240	-	145	-	210	185	84	10 x 18	25 (M10)	-	55	-	M10	2
N CNW 854 / 150	240	-	145	-	210	185	84	10 x 18	25 (M10)	-	55	-	M10	2
N CNW 854 / 180	240	-	155	-	210	185	94	10 x 18	25 (M10)	-	55	-	M10	2
N CNW 854 / 200	300	-	160	-	270	224	95	10 x 18	25 (M12)	-	55	-	M12	3
N CNW 854 / 250	300	-	160	-	270	224	95	10 x 18	25 (M12)	-	55	-	M12	3
N CNW 854 / 300	360	-	180	-	315	264	137	10 x 18	-	30 x 4	40	11	M12	4
N CNW 854 / 350	360	-	200	-	315	264	142	10 x 18	-	40 x 5	50	13	M12	4
N CNW 854 / 400	360	-	215	-	315	264	157	10 x 18	-	40 x 5	50	13	M12	4
N CNW 854 / 500	360	-	225	-	315	264	167	10 x 18	-	40 x 5	50	13	M12	4
N CNW 854 / 600	420	-	215	-	365	316	144	13 x 20	-	40 x 8	60	13	M12	4
N CNW 854 / 700	420	-	245	-	365	316	174	13 x 20	-	40 x 8	60	13	M12	4
N CNW 854 / 800	420	-	255	-	480	316	174	13 x 20	-	60 x 5	70	2 x 13	M12	4
N CNW 854 / 900	420	-	265	-	480	316	174	13 x 20	-	60 x 10	80	2 x 13	M12	4
N CNW 854 / 1000	420	-	265	-	480	316	174	13 x 20	-	60 x 10	80	2 x 13	M12	4
N CNW 854 / 1200	420	-	275	-	480	316	184	13 x 20	-	60 x 10	80	2 x 13	M12	4

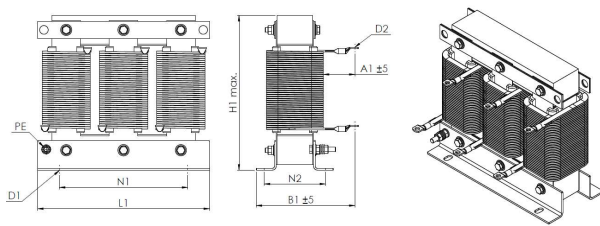
Design 1



Design 2



Design 3



Design 4

