

N CNW 901

Single-phase mains / commutating choke 4 % UK

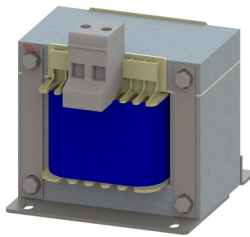
Advantages

- Compact design
- Extended service life for electrical loads
- Minimal thermal losses
- Damping of current peaks up to 60 %
- Reduction of the input current up to 20 %
- Low noise
- Production according to UL insulation system E251513 possible

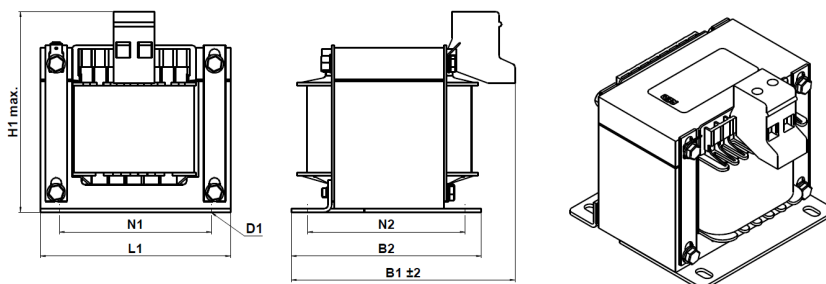
Description

- Nominal voltage: $U \leq 250 \text{ V}$
- Short-circuit voltage: $U_k 4 \% (230\text{VAC}/50\text{Hz}, I_{\text{Rated}})$
- Frequency: 50/60 Hz
- According to: EN 60289 / EN 61558
- Test voltage: L-PE 2500 V, DC 1min
- Insulation class: T40/F
- Protection class: IP 00
- Climate category: DIN IEC 60068-1
- Overload: $1.5 \times I_{\text{Rated}}$ 1 min/h
- Design: standing Mounting brackets

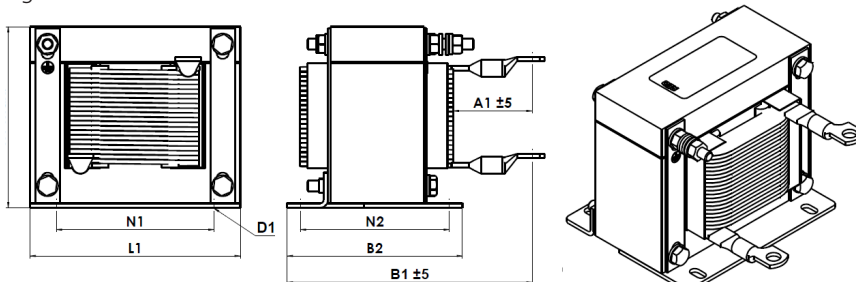
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Design 1



Design 2



Technical details

N CNW 901						
Type	Nominal voltage / nominal frequency [V]	Nominal current I [A]	Nominal inductance L [mH]	Losses P [W]	Weight [kg]	Weight Cu [kg]
N CNW 901 / 2	230 50 / 60 Hz	2	14,5	7	0,5	0,2
N CNW 901 / 4		4	7,3	11,3	0,5	0,2
N CNW 901 / 6		6	4,88	13,5	0,6	0,2
N CNW 901 / 8		8	3,6	17	0,7	0,2
N CNW 901 / 10		10	2,9	34	0,7	0,2
N CNW 901 / 16		16	1,8	25	1,2	0,4
N CNW 901 / 20		20	1,5	28	2,0	0,4
N CNW 901 / 25		25	1,1	32	2,0	0,4
N CNW 901 / 30		30	0,95	35	2,1	0,5
N CNW 901 / 35		35	0,84	42	2,9	0,6
N CNW 901 / 40		40	0,73	42	3,6	0,8
N CNW 901 / 45		45	0,65	44	3,6	0,9
N CNW 901 / 50		50	0,57	50	4,6	1
N CNW 901 / 63		63	0,5	61	5,2	1,3
N CNW 901 / 75		75	0,4	70	6,9	1,6
N CNW 901 / 100		100	0,29	86	8,0	2



Higher performance upon request

Typical applications: Drive systems for motor drives, mechanical engineering pump, conveyor technology, ventilation and air conditioning, robotics, automation technology, power supplies

Dimensions in mm

N CNW 901												
Type	Length		Weight		Height	Mounting			Connections			Design
	L [mm]	B1 [mm]	B2 [mm]	H [mm]	N1 [mm]	N2 [mm]	D1 [mm x mm]	Clamps/ Cross section [mm ²]	PE	A1 [mm]		
N CNW 901/2	60	65	47	67	44	36	4 x 7	2,5	Flat plug 6.3x0.8		1	
N CNW 901/4	60	65	47	67	44	36	4 x 7	2,5	Flat plug 6.3x0.8		1	
N CNW 901/6	60	65	47	67	44	36	4 x 7	2,5	Flat plug 6.3x0.8		1	
N CNW 901/8	60	79	59	67	44	45	4 x 7	2,5	Flat plug 6.3x0.8		1	
N CNW 901/10	66	70	57	72	50	43	5 x 8	2,5	Flat plug 6.3x0.8		1	
N CNW 901/16	78	75	60	80	57	48	5 x 8	2,5	Flat plug 6.3x0.8		1	
N CNW 901/20	84	90	76	80	64	62	5 x 8	4	Flat plug 6.3x0.8		1	
N CNW 901/25	84	90	76	80	64	62	5 x 8	4	Flat plug 6.3x0.8		1	
N CNW 901/30	84	90	76	80	64	62	5 x 8	10	Flat plug 6.3x0.8		1	
N CNW 901/35	96	105	88	105	84	72	6 x 11	10	Flat plug 6.3x0.8		1	
N CNW 901/40	96	142	102	90	84	85	6 x 11	16 (M6)	M5	40	2	
N CNW 901/45	96	142	102	90	84	85	6 x 11	16 (M6)	M5	40	2	
N CNW 901/50	105	145	105	95	84	87	6 x 11	16 (M6)	M5	40	2	
N CNW 901/63	120	140	100	108	90	85	6 x 11	25 (M6)	M6	45	2	
N CNW 901/75	120	165	120	108	90	105	6 x 11	35 (M8)	M6	50	2	
N CNW 901/100	135	155	115	120	105	100	6 x 11	35 (M8)	M6	50	2	