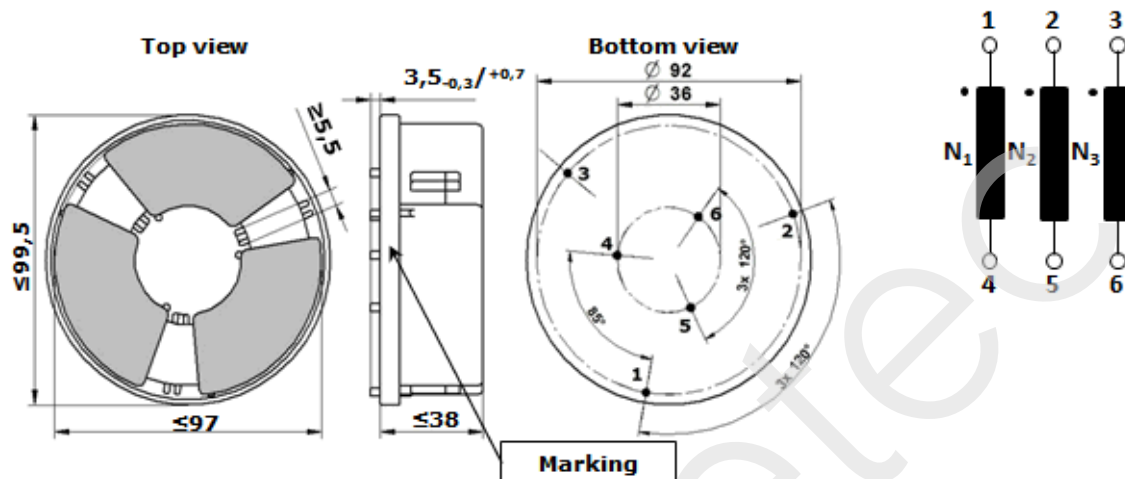


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Client:	Magnetec	Magnetec P/N:	MB-427		
Client's p/n:	/	PS Index:	04	PS Revision:	04
Subject:	EMC Component				

1. Mechanical outline Wiring diagram



Pin position tolerance: $\pm 0,3\text{mm}$
Distance between the coils $\geq 5,5\text{mm}$
Distance from the wire over the border of the baseplate of the choke to the PCB $\geq 5,5\text{mm}$

2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	$U_{p,eff} = 4\text{ kV}$
Nominal voltage:	580 Veff AC	Ambient temperature:	-40 ... +85 °C
Nominal inductance:	3 x 316 μH @ 100kHz	Max. operating temperature:	°C
Nominal current:	28,8 * A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 8 μH @ 100kHz	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = N3 = 7	Wire diameter:	2,5 mm
Comments:	* forced cooling		

3. Inspection values (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2; L3 [μH]	252 - 395	f = 100 kHz	$U_{p,eff} = 1,4\text{ V}$
HV strength between N1; N2; N3 / Iiso<1mA	OK - NOK	$U_{p,eff} = 4\text{ kV}$	t = 2 s
Wire resistance Rcu1; Rcu2; Rcu3 [mOhms]	0 - 2,6	RT = 25 °C	
	-		
	-		

4. Others	
Marking:	MAGNETEC MB-427-04 YM (YM = Year/Month), acc. to IEC 60062 6.1.1
Packaging:	2 pcs. per layer, 4 layers per carton box; PU = 8 pcs.
Comments:	Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

Index / Rev.	Alteration	Date
03 / 01	Product Specification	09.05.2014
03 / 02	Pin length change	09.03.2015
03 / 03	Change to paper based packaging	21.10.2016
04 / 04	Customer change	24.08.2017

Created:	Z. Palánki	Approved (Techn):	F. Zámboreszky	Approved (Quality):	G. Zsák	Released:	T. Trupp
	24.08.2017		29.09.2017		29.09.2017		09.10.2017

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