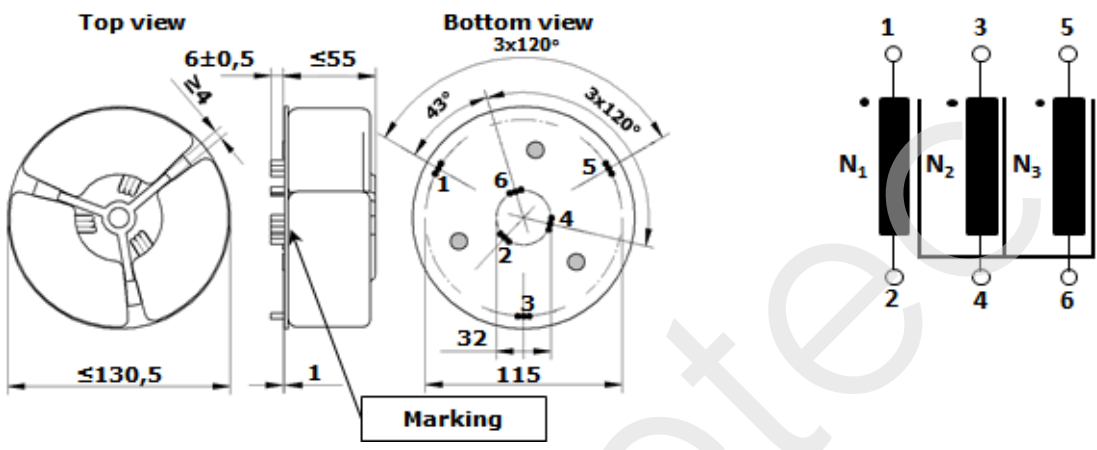


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Client:	Magnetec	Magnetec P/N:	MB-657		
Client's p/n:	/	PS Index:	01S	PS Revision:	02
Subject:	EMC Component				
Preliminary datasheet: This document is strictly confidential! It is subject to change without prior notice!					

1. Mechanical outline	Wiring diagram
 <p><b>Top view</b> Dimensions: <math>6 \pm 0,5</math>, <math>\leq 55</math>, <math>\leq 130,5</math>, <math>\frac{1}{4}</math>, <math>1</math></p> <p><b>Bottom view</b> Dimensions: <math>3 \times 120^\circ</math>, <math>43^\circ</math>, <math>32</math>, <math>115</math></p> <p><b>Marking</b></p> <p><b>Wiring diagram</b> Terminals: 1, 2, 3, 4, 5, 6 Coils: <math>N_1</math>, <math>N_2</math>, <math>N_3</math></p>	

2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	Up,eff = 2,5 kV
Nominal voltage:	440 Veff AC	Ambient temperature:	-40 ... +70 °C
Nominal inductance:	3 x 2,5 mH	Max. operating temperature:	°C
Nominal current:	100 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	~14 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = N3 = 11	Wire diameter:	3x 3,35 mm
Comments:			

3. Inspection values (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2; L3 [mH]	1,54 - 3,42	f = 10 kHz	Ueff = 0,1 V
Inductivity L1; L2; L3 [mH]	1,00 - NA	f = 100 kHz	Ueff = 0,1 V
Wire resistance Rcu1; Rcu2; Rcu3 [mOhms]	0 - 0,8	T = 23±3°C	
HV strength between N1; N2 and N3	OK - NOK	Ueff = 2,5 kV	t = 2 s
	-		

4. Others	
Marking:	MAGNETEC MB-657-01 YM SAMPLE (YM = Year/Month), acc. to IEC 60062 6.1.1
Packaging:	pcs. per layer, layers per carton box; PU = pcs.
Comments:	Maximum surface temperature is 130°C, overheating needs to be tested in application. Visit <a href="http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf">http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf</a> for further information.

Index / Rev.	Alteration	Date
01S / 01	Sample	15.02.2016
01S / 02	Sample: separator modification	09.01.2018

Created:	Z. Palánki 09.01.2018	Approved (Techn):	Approved (Quality):	Released:
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