

Certificate of Conformity



according to
Low Voltage Directive 2006/95/EC

Certificate No.: M1 69240071 0001

Report No.: 28208654 001

Certificate Holder: Makrai Elektronik Bt.
Vám u. 3.
2600 Vác
Hungary

Manufacturer: Makrai Elektronik Bt.
Vám u. 3.
2600 Vác
Hungary

Product: **TRANSFORMERS**
Safety isolating transformers and isolating transformers

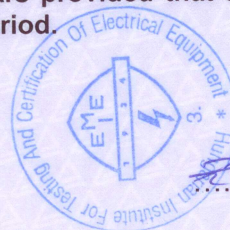
Identification: Type ref.: ME.TRE-ab...
where: "a" = rated output
"b" = code of dimensions
Type variants detailed on Annex I.

Ratings: Rated output:(VA): 0,6..100
Upri: 24..400V,
Usec: 3-30V, 6-35V, 6-40V, 12-40V, 12-45V
(safety isolating transformers)
31-80V, 40-230V, 41-230V, 46-230V
(isolating transformers)

Tested according to: EN 61558-1:1997+A1+A11
EN 61558-2-4:1997
EN 61558-2-6:1997

This certificate refers to the above mentioned product. This is to certify that the test sample is in conformity with the requirements of Annex I of the Directive. The holder of the certificate is entitled to use this certificate for the declaration of conformity according to Annex III of the Directive. This certificate does not imply assessment of the production of the product and does not permit to use of a TÜV Rheinland or MEEI mark. The certificate is valid up to 3 years provided that the test specifications and construction of the product remain unchanged during this period.

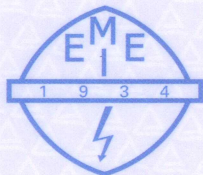
Budapest, 2010.02.23



Gabor Kassai
Gabor Kassai

TÜV Rheinland — MEEI Kft. Certification — H-1132 Budapest, Váci str. 48/A-B — www.meei.hu
The CE marking may be used if all relevant and effective EC Directives are complied with





ANNEX I. to Certificate of Conformity No.: M1 69240071 0001 page 1 of 1

Type variants, technical data:

Type	t _a [°C]	Isol. class	U _{pri} [V]	Output [VA]	Safety isolating transformers Rated secondary voltage [V]*	Isolating transformers Rated secondary voltage [V]*
ME.TRE-0,6.301XX	40/70	B/F	24-230	0,6	3-30	31-80
ME.TRE-1,2.302XX				1,2		
ME.TRE-1,8.303XX				1,8		
ME.TRE-2,4.304XX			24-400	2,4		
ME.TRE-2,7.305XX				2,7		
ME.TRE-3,5.306XX				3,5		
ME.TRE-4,5.381XX/Y	70	B	24-400	4,5	6-35	40-230
ME.TRE-6.382XX/Y	70	B	24-400	6	6-35	40-230
ME.TRE-6.421XX/Y				6		
ME.TRE-8.422XX/Y				8		
ME.TRE-10.481XXX/Y	70	B	24-400	10	6-40	41-230
ME.TRE-12.482XXX/Y			100-400	12		
ME.TRE-16.541XXX/Y	70	B	100-400	16	6-40	41-230
ME.TRE-20.601XXX/Y	70	B	100-400	20	6-40	41-230
ME.TRE-25.602XXX/Y				25		
ME.TRE-30.662XXX/Y	70	B	100-400	30	6-40	41-230
ME.TRE-40.663XXX/Y				40		
ME.TRE-47.664XXX/Y				47		
ME.TRE-60.753XXXX/Y	70	B	100-400	60	6-40	41-230
ME.TRE-75.754XXXX/Y				75	12-45	46-230
ME.TRE-100.84XXXX/Y	70	B	100-400	100	12-45	46-230
ME.TRE-20.601XX/BSS	60	B	100-400	20	12-40	41-230
ME.TRE-30.602XX/BSS				30		
ME.TRE-45.663XX/BSS				45		
ME.TRE-60.753XX/BSS				12-45	46-230	60
ME.TRE-75.754XX/BSS						75
ME.TRE-100.84XX/BSS						100

*The rated secondary voltages are derived from series connection all secondary windings.

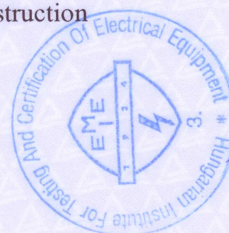
Explanation of marking:

ME.TRE transformer type
 "a" output [VA]
 "b" code of dimension of transformer

X...: secondary voltage code

Y: construction code
 „N” without fixing means
 „K” provided with one fixing means
 „KK” provided with two fixing means
 „B” standing construction
 „BSS” fuse-link provided & standing construction

Budapest, 2010.02.23.



Kassai Gábor