

Certificate no. 4001132

TB127
PRODUCT DATA
054/212575
PA05/05325

Whitting Valley Road, Old Whittington, Chesterfield, Derbyshire S41 9EY UK
 Telephone: +44 (0) 1246 264260 Fax: +44 (0) 1246 455281
 Web: www.trans-tronic.co.uk E mail: sales@trans-tronic.co.uk

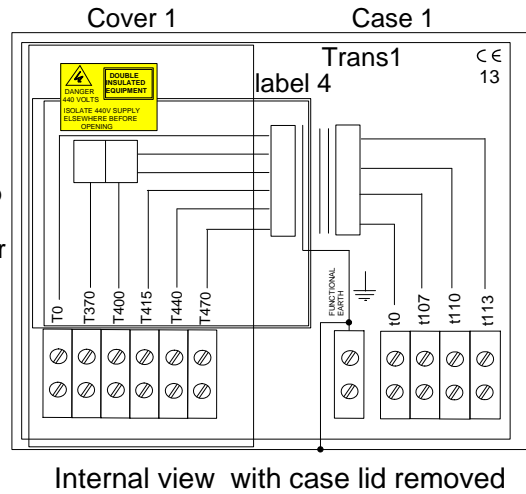
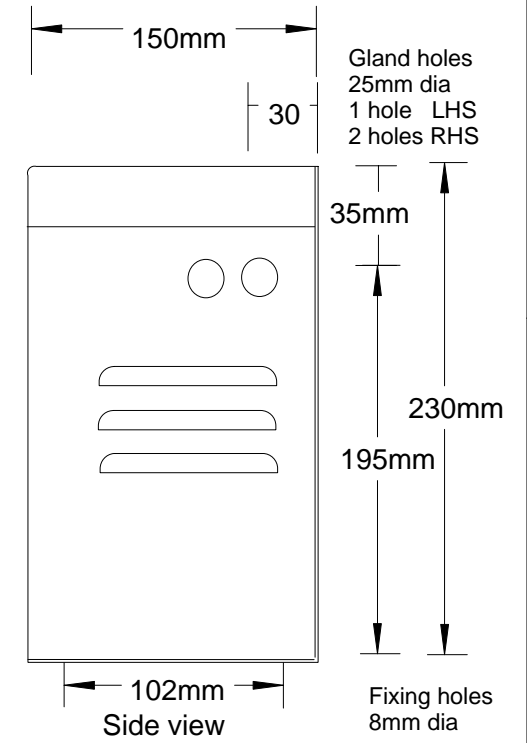
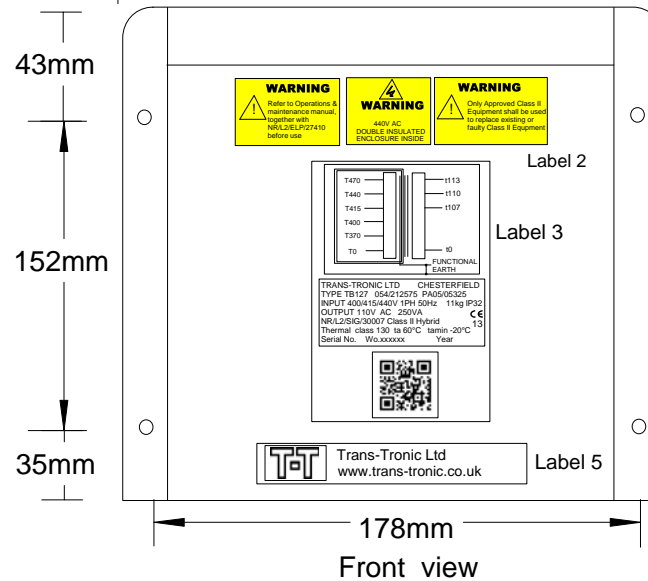
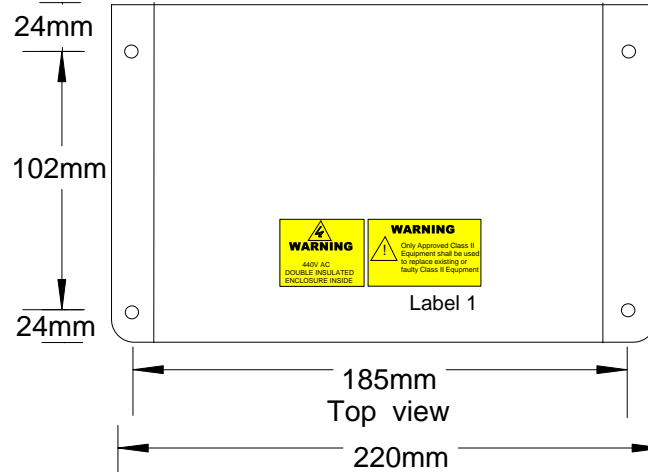
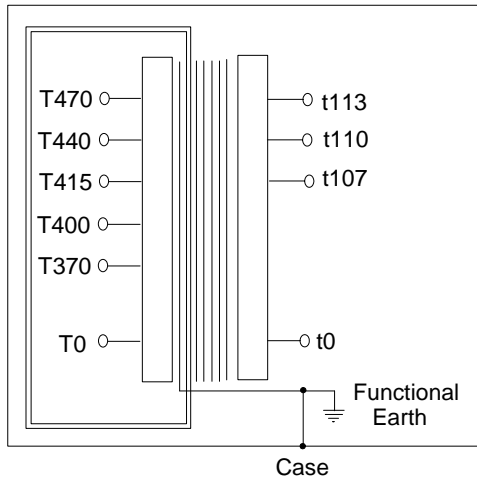
COIL WINDING – TRANSFORMER DESIGN & MANUFACTURE

Description:

Class II Hybrid FSP Isolating Transformer
NR/L2/SIG/30007 400-415-440/110V 250VA



Dimensions	220x150x 230mm high 11Kg	Colour	BS381c shade 632 Dark Admiralty Grey
General arrangement drawing	GA-TB127 overleaf	O&M Manual	Trans-Tronic ClassII-Hybrid-FSP- Tx O&M
Primary (Input) ClassII	T0-T370-T400-T415-T440-T470	Secondary (output) ClassI	t0-t107-t110-t113
Rating	Full load 250VA Intermittent 300VA for 15 minutes in each hour , 250VA for remaining 45 minutes		
Primary terminals	Screw up clamp 0.2-6mm ²	Secondary terminals	Screw up clamp 0.5-10mm ²
Functional earth	Screw up clamp 0.5-10mm ²	Enclosure	IP32
Efficiency	92% @ 80% load	Regulation	5.0%
		Impedance	5.2%
No load loss	8 watts	Full load loss	23 watts
Primary resistance @ 20°C	18.8 Ω @ 400V 19.5 Ω @ 415V 20.7 Ω @ 440V	Secondary resistance @ 20°C	0.92 Ω @ 110V
Primary Inductance	25mH @ 400V	Secondary Inductance	1.7mH @ 110V
Input current at full load rating	0.74A @ 370V 0.68A @ 400v 0.66A @ 415 0.62A @ 440V 0.58A @ 470V	Output current at full load rating	2.28A
Maximum Input current at intermittent rating	0.89A @ 370V 0.82A @ 400v 0.79A @ 415 0.74A @ 440V 0.70A @ 470V	Maximum output current at intermittent rating	2.73A
Peak inrush current	9.3x FLC (6.1A at 415V)	I ² t	0.28A ² s
		X/R ratio	0.26
Prospective short circuit output current @ 20°C	41A		for 5 seconds
Insulation resistance (500v)	Primary to core >100M ohms Secondary to core >100M ohms Primary to secondary >100M ohms	Dielectric strength	Primary to core 4.7Kv Secondary to core 2.8Kv Primary to secondary 4.7Kv
		Impulse withstand	8KV
Recommended fuse Protection	BS88 & 10x38 gG IEC 60269-1 &-2		1A
Operational temperature range	-20°C to +60°C	Humidity	Up to 100% RH
Altitude	<2000 metres above sea level	Issue	4 01/08/2013



Item	Description	Part No.
Case 1	Transformer case	21-CASE-P2DG
Trans 1	440/110v 250va classII	TT4350
Cover 1	P2class2 Poly carb	21-P2-COV1
Cover 2	P2 Mylar side layer	21-P2-COV2
Label 1	440VClassIIP2top	02-class2-440P2top
Label 2	440VClassIIP2front	02-Class2-440P2Front
Label 3	Circuit diagram + Rating plate	TB127 CD+RP
Label 4	440VClassII internal	02-class2-440int
Label 5	Trans-Tronic	02-trans-tronic

Trans-Tronic Ltd
Whitting Valley Road, Chesterfield, S41 9EY
Tel: 01246 264260 Fax: 01246 455281

TITLE GA drawing for ClassII Hybrid FSP Isolating transformer
400-415-440V/110V 250VA 054/212575 PA05/05325

SIZE A4	DATE 01/08/2013	DWG NO A4-TB127-GA	REV 5
SCALE NTS		SHEET 1 of 1	