

Single phase isolation safety transformers TE range

Natural air cooling AN type, resin impregnated and tropicalized.
 Separated copper windings

TECHNICAL SPECIFICATION:

Rated power	from 50VA to 3000VA
Input voltage	220-230-240-380-400-415V *
Output voltage	12+12 (24)V or 24+24 (48)V or 55/110V or 115+115 (230)V *
Frequency	50/60 Hz
Grade of protection	IP00
Protection class	I
Isolation class	E
Winding isolation class	F-H
Max ambient temperature	40°C
Max temperature rise	100°C
Max full load voltage regulation	5%
Short circuit voltage	6% max
Efficiency	> 95%
Applied standards	CEI EN61558-2-4 or CEI- EN61558-2-6

* different input/output voltages available on request – last 3/4 digits of part numbers changing according to voltage combination

FEATURES

- Earth connection
- Wiring connections on two sides
- Rating label



PART NUMBERS

Power VA	Output (secondary) voltage V			
	12+12 (24)	24+24 (48)	55/110	110+110 (220)
50	TE009001	TE009002	TE009003	TE009004
100	TE029001	TE029002	TE029003	TE029004
200	TE059001	TE059002	TE059003	TE059004
300	TE079001	TE079002	TE079003	TE079004
500	TE119001	TE119002	TE119003	TE119004
630	TE145001	TE145002	TE145003	TE145004
750	TE169001	TE169002	TE169003	TE169004
1000	TE179001	TE179002	TE179003	TE179004
1500	TE199001	TE199002	TE199003	TE199004
2000	TE219001	TE219002	TE219003	TE219004
3000	TE249001	TE249002	TE249003	TE249004

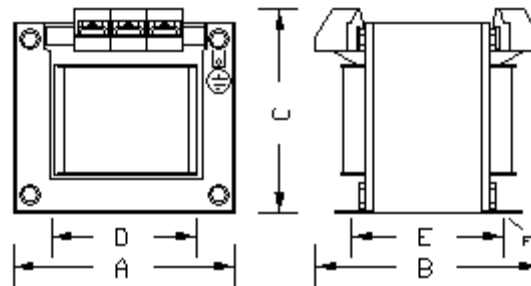
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ELECTRICAL CHARACTERISTIC

Power VA	Voltage regulation		Efficiency		SCV %	losses W	Inrush power VA	
	Cos-phi=1	Cos-phi=0.45	Cos-phi=1	Cos-phi=0.45			Cos-phi=1	Cos-phi=0.45
50	6.6	2.6	0.80	0.61	11	7	85	125
100	5.2	2.3	0.84	0.71	8.5	15	230	310
200	4.5	2.2	0.85	0.73	5.8	21	590	830
300	5.3	2.8	0.88	0.77	4.6	26	745	910
500	4.1	2.2	0.91	0.82	4.5	46	1180	1500
630	3.8	2.1	0.91	0.83	4.3	50	1820	2350
750	3.1	2.0	0.93	0.84	3.9	55	2020	2680
1000	2.5	1.5	0.94	0.87	3.9	58	2690	3390
1500	1.7	1.5	0.94	0.87	3.7	77	4040	4980
2000	1.7	1.5	0.95	0.88	3.5	93	5600	6400
3000	1.7	1.5	0.95	0.87	3.5	120	9400	11600

DIMENSIONS AND WEIGHT



Power VA	dimensions mm.						weight Kg
	a	b	c	d	e	F	
50	77	90	75	56	47	4	1.1
100	86	100	82	63	55	5	2.2
200	98	110	90	78	70	5	3.5
300	122	110	112	90	76	6	4.5
500	122	120	112	90	86	6	6.0
630	152	120	145	125	93	6	8.0
750	152	120	145	125	93	6	8.9
1000	152	130	145	125	103	6	11.0
1500	152	130	145	125	103	6	12.5
2000	182	150	170	150	122	8	18.0
3000	194	150	180	160	125	8	21.2

On request a version with copper earthed screen between the windings is available
 To order products with earth screen please add a "S" after the code

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