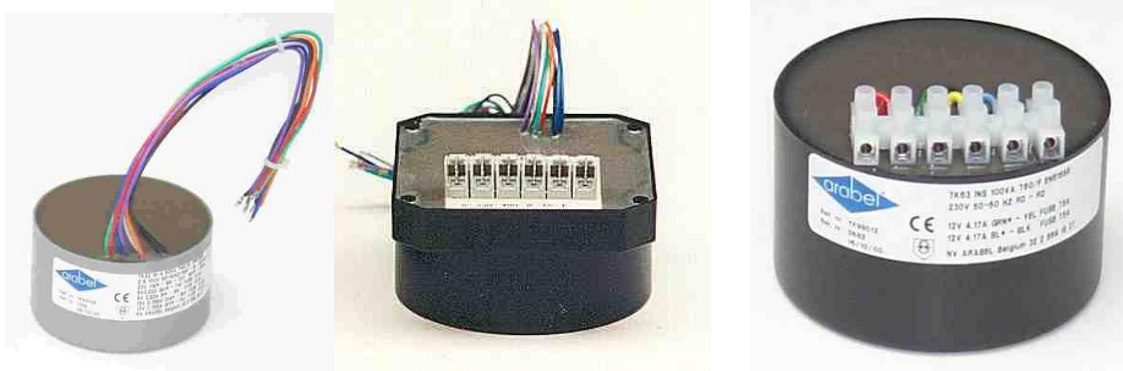




IP54 – Potted construction –Toroidal Transformers



ARABEL " Potted " transformers benefit from a rugged mechanical design assuring overall protection from atmospheric and environmental hazards. As thus restrains on the cabinet enclosing your equipment can be less demanding resulting in a more cost effective overall design.

Power ratings from 15VA > 5000VA.
Thermal class B .Flame class UL94 V-0 or UL94 HB.

From 15 > 500 VA they come in a polyamide housing. Higher VA ratings have a PVC housing.

As a result of the high dielectric strength & insulation quality of our potting compound we've designed a range of MEDICAL TRANSFORMERS according IEC601-1 prescriptions.
As well for AF, BF1 ,BF2 as for CF-class medical equipment.



lead-free from 15.10.2005 on

VA rating	Diameter x H	Efficiency %	Mounting Screw	Copper Loss 90° (W)	Iron Loss (W)	Weight (kg)
15	73x40	85	maxi M5	2.33	0.27	
30	73x40	86	maxi M5	4.54	0.34	
50	87x42	86	maxi M5	7.69	0.41	0.83
65	87x50	87	maxi M5	9.16	0.56	
80	95x48	89	maxi M5	9.25	0.66	
100	95x48	90	maxi M5	10.65	0.80	1.39
160	115x54	90	maxi M6	15.32	1.03	
200	127x54	91	maxi M6	17.59	1.31	
250	127x65	91	maxi M6	22	1.31	
300	130x66	92	maxi M8	24	1.75	
400	130x66	93	maxi M8	26	2.32	
500	143x90	93	maxi M8	33	2.76	
625	170x86	93	maxi M8	42	2.72	
800	170x86	95	maxi M8	42	4.08	
1000	170x86	95	maxi M8	53	4.5	
1500	200x120	96	maxi M10	61	7.2	
2000	250x130	96	maxi M10	74	9.2	
2500	250x140	97	maxi M10	70	15.3	
3000	250x145	96	maxi M10	99	16.4	
3500	250x150	97	maxi M10	98	17.5	
4000	250x150	97	maxi M10	110	17.5	
4500	315x150	97	maxi M10	124	20.7	
5000	315x150	97	maxi M10	141	21.8	

OPTIONS

We summarize several options applicable on our " Potted " type of transformers. This list is not complete and evolves daily.

- Thermal switch, thermal fuse.
- Stranded wire connection leads (PVC or silicone insulation).
- Connection leads terminated with crimp-on connectors (e.g. Fast On).
- Connection by means of terminal blocks.
- Electrostatic screen.
- Magnetic screen.
- Mounting bracket.

ARABEL N.V.
Tel. : 00 32 2 569 15 27

Ijsbergstraat 40-42
Fax : 00 32 2 569 23 70

B-1701 ITTERBEEK
email : info@arabel.be

België
Web. : www.arabel.be



IP67 – Potted construction –Toroidal Transformers



lead-free from 15.10.2005 on

ARABEL "IP67" transformers benefit from a rugged mechanical design assuring overall protection from atmospheric and environmental hazards. As thus restrains on the cabinet enclosing your equipment can be less demanding resulting in a more cost effective overall design.

The IP67 protection grade makes them very suitable for **garden & swimming pool lighting**.

From 15 > 500 VA they come in a polyamide housing. Thermal class B .Flame class UL94 V-0 or UL94 HB.

Higher VA ratings have a PVC housing.

Power ratings from 15VA > 5000VA.

Standard connections are :Primary : Power cord 2 m.
With CEE 7 /VII
Secondary :VTMB-HO5-VVF; 1m.

For extreme conditions RNF cables are used.
As a result of the high dielectric strength & insulation quality of our potting compound we've designed a range of MEDICAL TRANSFORMERS according IEC601-1 prescriptions.As well for AF, BF1 ,BF2 as for CF-class medical equipment.

VA rating	Diameter x H	Part nr.	Efficiency	Mounting Screw	Copper Loss	Iron Loss	Weight (kg)
15	78x45		85	maxi M5	2.33	0.27	
30	78x45		86	maxi M5	4.54	0.34	
50	87x50		86	maxi M5			
65	87x50		87	maxi M5	9.16	0.56	
80	95x57		89	maxi M5	9.25	0.66	
100	95x57	IP65-100	90	maxi M5	10.65	0.80	1.39
160	104x75	IP65-160	90	maxi M6	15.32	1.03	
225	127x65	IP65-225	91	maxi M6	17.59	1.31	
250	127x65		91	maxi M6	22	1.31	
330	130x66	IP65-330	92	maxi M8	24	1.75	
400	143x87		93	maxi M8	26	2.32	
500	143x87	IP65-500	93	maxi M8	33	2.76	
625	160x86		93	maxi M8	42	2.72	
800	160x86		95	maxi M8	42	4.08	
1000	160x86		95	maxi M8	53	4.5	
1500	200x120		96	maxi M10	61	7.2	
2000	250x130		96	maxi M10	74	9.2	
2500	250x140		97	maxi M10	70	15.3	
3000	250x145		96	maxi M10	99	16.4	
3500	250x150		97	maxi M10	98	17.5	
4000	250x150		97	maxi M10	110	17.5	
4500	315x150		97	maxi M10	124	20.7	
5000	315x150		97	maxi M10	141	21.8	

OPTIONS

We summarize several options applicable on our "IP67" type of transformers.This list is not complete and evolves daily.

- Extra long power cord.(Enabling to put the transformer near his load thus avoiding voltage drop) .
- Thermal switch, thermal fuse.
- Connection leads terminated with crimp-on connectors (e.g. Fast On) .
- Electrostatic screen.
- Magnetic screen.