

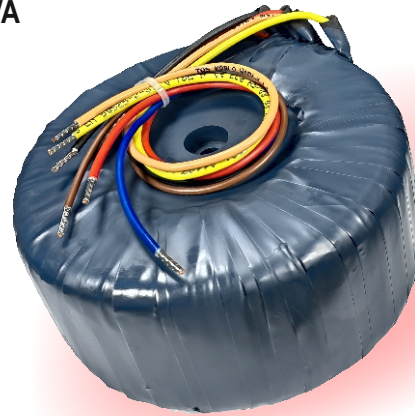
**Toroidal fixed transformer with sealed centre hole as a mains,
safety or isolation transformer
10 VA UP TO 10000 VA**

Series TTF

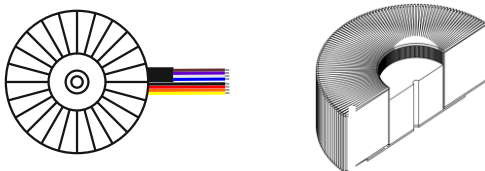
The toroidal fixed transformers with sealed centre hole or sealed socket have the same advantages as the open transformers, however, offer a good mounting solution for the transformers. The costs for an additional mounting option are cut in this series of transformers and replaced by a central screw, which only requires a short set-up time. A safe distance to the mounting surface is ensured.

Advantages

- Integrated mounting plate with partial sealing
- No humming
- Low magnetic stray field
- Low voltage drop
- High degree of efficiency
- Direct mounting option with just one screw
- Safe distance to the mounting surface
- Connection with wires or stranded wires

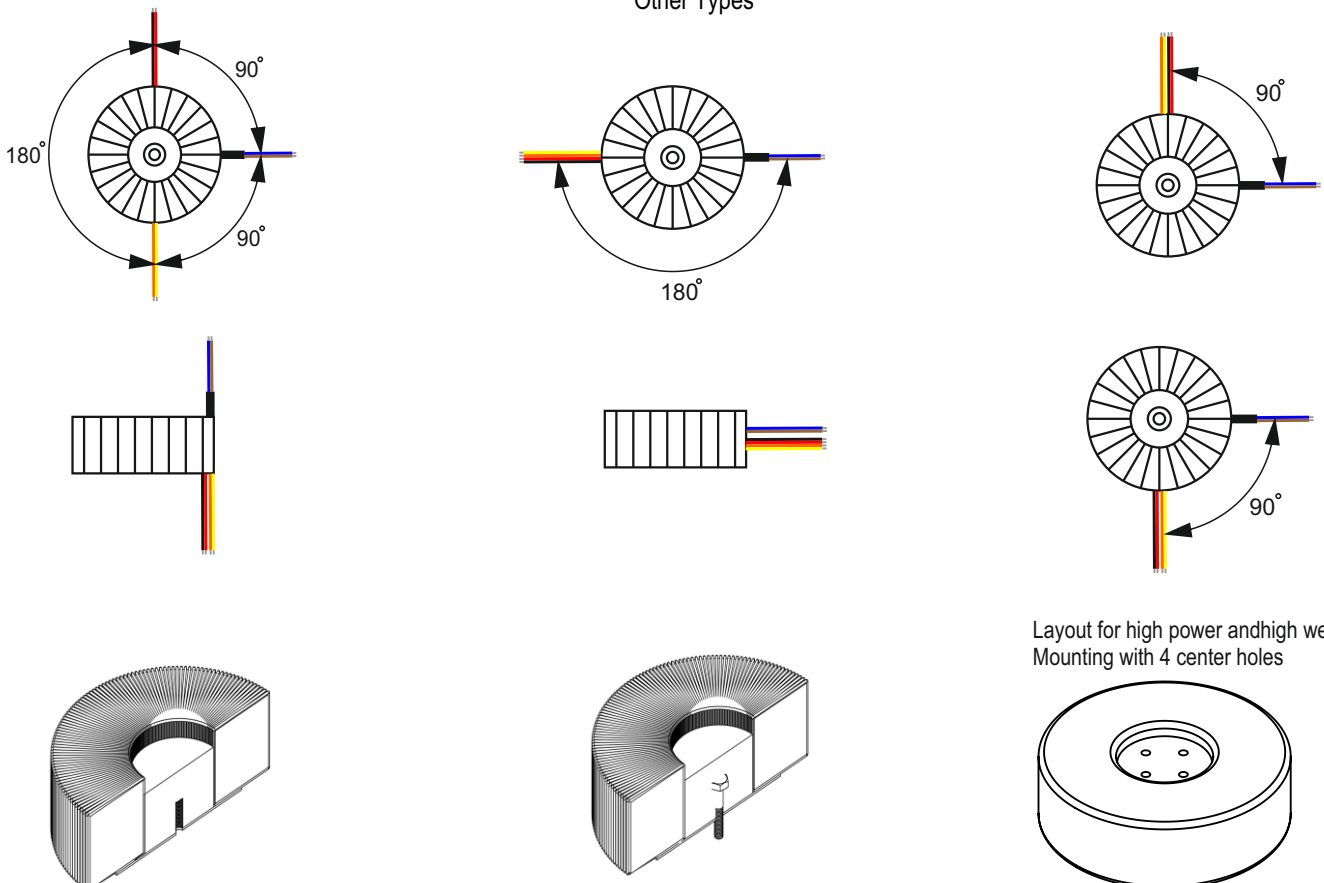


Standart Types

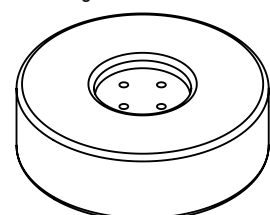


Rated Power	: 10-10000 VA
Input Voltage	: 230 V or to customers demand
Output Voltage	: 6-230 V or to customers demand
Frequency	: 47-63 Hz
Temperature Class	: T40/E and T40/B
Max. Ambient Temperature	: 40 °C
Transformers Class	: Ip00
Test Voltage	: 5 Kv
Terminals	: Pri and sec Free wires prepared for mounting with added mounting supply
Standards	: IEC EN 61558 2-4 and 2-6

Other Types



Layout for high power and high weight
Mounting with 4 center holes

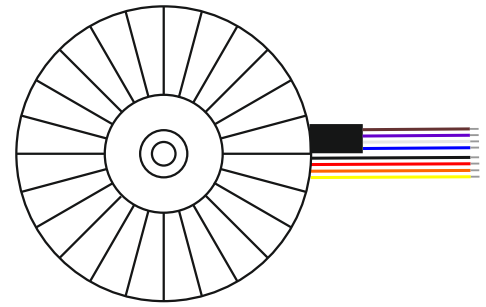
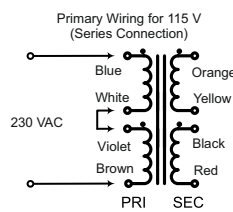
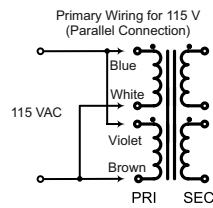
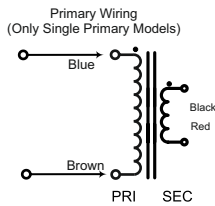


Technical changes and optimisation reserved. All details are guide values, variations are possible. other dimensions and technical changes on request.

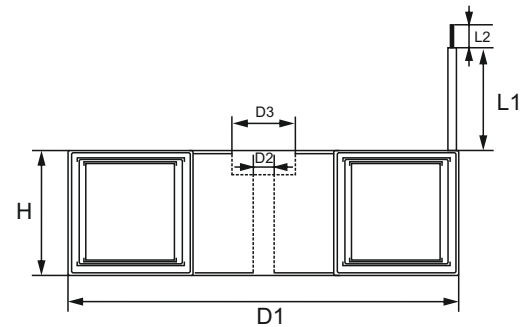
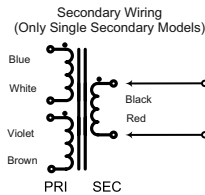
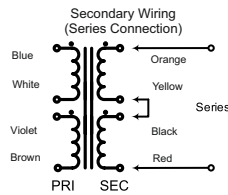
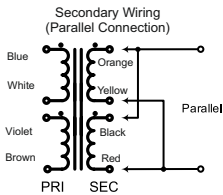
**Toroidal fixed transformer with sealed centre hole as a mains,
safety or isolation transformer
10 VA UP TO 10000 VA**

Series TTF

Primary Connections



Secondary Connections



Output		Dimension (mm)						Weight
VA	Efficiency	D1	H	L1	L2	D2	D3	kg
10	% 80	Ø 57	28	300	10	4	8	0,30
15	% 80	Ø 60	30	300	10	4	8	0,35
20	% 82	Ø 62	31	300	10	4	8	0,45
30	% 84	Ø 75	30	300	10	4	8	0,54
40	% 88	Ø 77	35	300	10	4	8	0,70
50	% 88	Ø 80	38	300	10	4	8	0,75
60	% 88	Ø 85	38	300	10	4	8	0,80
80	% 90	Ø 90	96	300	10	5	10	1,00
100	% 91	Ø 94	40	300	10	5	10	1,25
120	% 92	Ø 97	48	300	10	5	10	1,35
150	% 93	Ø 98	50	300	10	5	10	1,65
200	% 94	Ø 115	50	300	10	6	12	2,05
250	% 94	Ø 118	60	300	10	6	12	2,55
300	% 94	Ø 127	65	300	10	6	12	2,95
400	% 95	Ø 135	65	300	10	6	12	3,70
450	% 95	Ø 140	68	300	10	6	12	4,00
500	% 96	Ø 145	74	300	10	8	16	4,25
600	% 96	Ø 155	70	300	10	8	16	5,20
800	% 97	Ø 182	67	300	10	8	16	6,20
1000	% 97	Ø 200	70	300	10	8	16	9,50
1200	% 97	Ø 200	75	300	10	10	20	9,70
1500	% 97	Ø 210	86	300	10	10	20	10,50
2000	% 97	Ø 220	100	300	10	10	20	15,50
2500	% 97	Ø 250	105	300	10	10	20	21,00
3000	% 97	Ø 250	115	300	10	12	24	26,00
4000	% 97	Ø 265	100	300	10	12	24	32,00
4500	% 97	Ø 275	100	300	10	12	24	34,00
5000	% 97	Ø 290	110	300	10	14	28	38,00
7000	% 97	Ø 320	150	300	10	14	28	44,00
10000	% 97	Ø 350	150	300	10	14	28	79,00

Technical changes and optimisation reserved. All details are guide values, variations are possible. other dimensions and technical changes on request.