



EDWANZ group



Product Catalogue



www.sedlbauer.de
www.polyheat.de

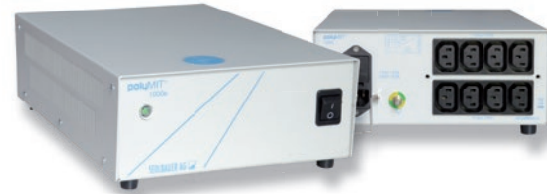
Polytronik® - Toroidal Transformers

S. 4



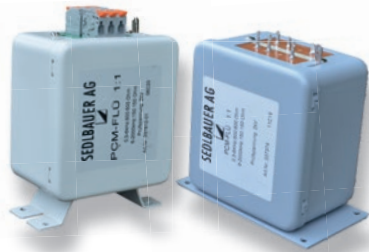
polyMIT® Medical Isolation Transformers

S. 11



Pulse Transformers

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polyHEAT® - power supply of infrared heating mats

S. 19



Charging stations for electric vehicles

S. 22



Design, Development,
Construction, Production of:
Electromechanical Components
Customised machines and
instrument production
E-mobility
Medical Device Engineering
Power supplies
Inductive Components
Industry Services

About us

You are searching for a toroidal transformer that masters the highest requirements? You need a medical isolation transformer that offers your patients safe and reliable protection? Then you are in the right place here with us! The SEDLBAUER AG founded in 1899 has been active on the field of medical engineering, inductive components and power supply already for decades. Our customers throughout Europe value our products because of their constantly high level of quality, reliability and durability.

To be able to satisfy rapidly, flexibly and cost-efficiently market requirements of our customers, the continuous deepening and extension of our know-how is obvious for us. So we keep pace with the times. Thanks to our electromechanical experience we began in 2011 to develop our own charging stations for hybrid and electric cars. Up till today more than 3,000 charging points in Europe are equipped with Sedlbauer Technology – and others follow steadily!

Would you like to find out more about our products? Just scroll to the next pages then! In addition, you will find more interesting information on our homepage. Should you have any questions, please contact our customer service that will be happy to provide you personal support.

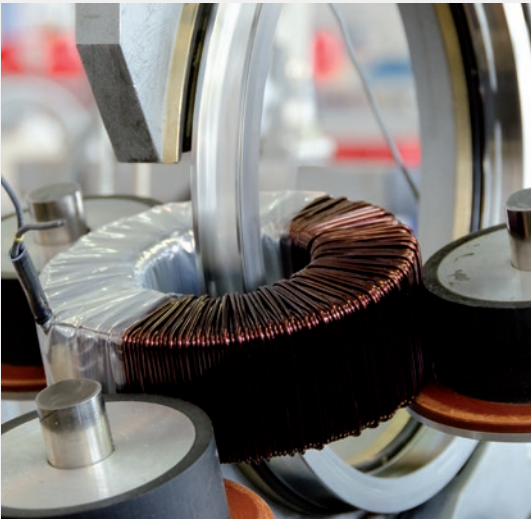
Certified according to EN ISO 9001:2015 and EN ISO 13485:2016

Polytronik® Toroidal Transformers

We have been developing and producing Polytronik® toroidal transformers and inductive components based on toroidal cores for more than a century now. Therefor, without exaggeration we can claim to be a pioneer in this field. Our products belong to the best to be found on the market. Polytronik® toroidal transformers are particularly suitable for producing modern powerful equipment and system components in the field of electrical engineering and electronics (e.g. Audio / HiFi technics, medical technology, communications engineering, measurement technology, halogen lights, alternative energy sources, e.g. solar technology and many more).

Benefits for our customers:

- High capacity with compact dimensions
- Very low humming noises and weight saving of 50% compared with "conventional" transformers
- Extremely low magnetic leakage field, maximum efficiency and a very good temperature behaviour
- High operational reliability and long product life
- Various applications: Audio-/ hi-fi technology, medical and measurement engineering...
- Quick mounting due various fixing options
- Qualified manufacturer with a certified QM System DIN EN ISO 9001:2015 and EN ISO 13485:2016
- Certified and monitored quality by the Swiss Electrotechnical Association (SEV) and UL, guaranteed compliance with international security standards
- Saving of testing and certification costs due to the ENEC symbol
- Experience on this field for over a century!



Winding technology



Transformers test system

Regarding our standard range, we offer two versions Basic and Premium. The Basic version is the standard version of our Polytronik® toroidal transformers, where as the Premium Version offers even higher quality.



Standard programme Basic

Rated output [VA]	Primary voltage [V-AC]	Item No.	Rated voltage [V-AC]	Rated current [A-AC]	Efficiency [%]	No-load losses [W]	Diameter [mm]	Height [mm]	Weight [kg]
20	230	826001	2 x 9	2 x 1,11	72	0,35	58	32	0,34
		826002	2 x 12	2 x 0,83					
		826005	2 x 24	2 x 0,42					
30	230	826006	2 x 6	2 x 2,50	78	0,36	68	32	0,44
		826007	2 x 9	2 x 1,67					
		826008	2 x 12	2 x 1,25					
		826009	2 x 15	2 x 1,00					
		826010	2 x 18	2 x 0,84					
50	230	826011	2 x 24	2 x 0,63	83	0,48	76	34	0,58
		826018	2 x 6	2 x 4,17					
		826019	2 x 9	2 x 2,78					
		826020	2 x 12	2 x 2,08					
		826021	2 x 15	2 x 1,67					
60	230	826022	2 x 18	2 x 1,39	83	0,55	75	38	0,65
		826023	2 x 24	2 x 1,04					
		826013	2 x 9	2 x 3,33					
		826014	2 x 12	2 x 2,50					
		826017	2 x 24	2 x 1,25					
100	230	826024	2 x 6	2 x 8,33	86	0,99	89	42	1,04
		826025	2 x 9	2 x 5,56					
		826026	2 x 12	2 x 4,17					
		826027	2 x 15	2 x 3,34					
		826028	2 x 18	2 x 2,78					
		826029	2 x 24	2 x 2,08					
		826030	2 x 115	2 x 0,44					
200	230	826036	2 x 6	2 x 16,67	90	1,86	113	48	2,00
		826037	2 x 9	2 x 11,12					
		826038	2 x 12	2 x 8,34					
		826039	2 x 15	2 x 6,67					
		826041	2 x 18	2 x 5,56					
		826040	2 x 24	2 x 4,17					
		826042	2 x 30	2 x 3,33					
		826043	2 x 115	2 x 0,87					
300	230	826049	2 x 9	2 x 16,67	92	2,40	128	56	2,80
		826050	2 x 12	2 x 12,50					
		826052	2 x 18	2 x 8,33					
		826053	2 x 24	2 x 6,25					
		826054	2 x 30	2 x 5,00					
		826055	2 x 115	2 x 1,31					
500	230	826057	2 x 12	2 x 20,84	93	3,67	136	69	4,15
		826058	2 x 18	2 x 13,89					
		826059	2 x 24	2 x 10,42					
		826060	2 x 30	2 x 8,34					
		826061	2 x 115	2 x 2,18					
1000	230	826070	2 x 12	2 x 41,67	94	7,54	194	69	8,25
		826071	2 x 24	2 x 20,83					
		826072	2 x 30	2 x 16,67					
		826073	2 x 115	2 x 4,35					

The current and voltage values in the table are AC nominal load values.
For further information, please refer to the data sheet which you can find on our homepage www.sedlbauer.de/en

Subject to technical modifications without notice.

Polytronik® Toroidal Transformers

Standard programme Premium



Rated output [VA]	Primary voltage [V-AC]	Item No.	Rated voltage [V-AC]	Rated current [A-AC]	Efficiency [%]	No-load losses [W]	Diameter [mm]	Height [mm]	Weight [kg]
15	230	825001	2 x 9	2 x 0,84	86	0,30	60	39	0,40
		825002	2 x 12	2 x 0,63					
		825003	2 x 15	2 x 0,50					
		825004	2 x 18	2 x 0,42					
30	230	825007	2 x 9	2 x 1,67	86	0,41	69	39	0,51
		825008	2 x 12	2 x 1,25					
		825009	2 x 15	2 x 1,00					
		825010	2 x 18	2 x 0,84					
50	230	825012	2 x 6	2 x 4,17	86	0,49	78	42	0,68
		825013	2 x 9	2 x 2,78					
		825014	2 x 12	2 x 2,08					
		825015	2 x 15	2 x 1,67					
		825016	2 x 18	2 x 1,39					
		825017	2 x 24	2 x 1,04					
		825011	2 x 30	2 x 0,83					
75	230	825019	2 x 9	2 x 4,17	86	0,58	92	40	0,92
		825020	2 x 12	2 x 3,13					
		825021	2 x 15	2 x 2,50					
		825022	2 x 18	2 x 2,08					
		825023	2 x 22	2 x 1,71					
		825018	2 x 30	2 x 1,25					
100	230	825024	2 x 6	2 x 8,33	87	1,11	90	52	1,27
		825025	2 x 9	2 x 5,56					
		825026	2 x 12	2 x 4,17					
		825027	2 x 15	2 x 3,34					
		825028	2 x 18	2 x 2,78					
		825029	2 x 24	2 x 2,08					
		825042	2 x 30	2 x 1,67					
150	2 x 115	825030	2 x 6	2 x 12,50	90	1,33	115	47	1,85
		825031	2 x 9	2 x 8,34					
		825032	2 x 12	2 x 6,25					
		825033	2 x 15	2 x 5,00					
		825034	2 x 18	2 x 4,17					
		825035	2 x 24	2 x 3,13					
		825036	2 x 30	2 x 2,50					
200	2 x 115	825037	2 x 9	2 x 11,12	91	1,91	115	62	2,54
		825038	2 x 12	2 x 8,34					
		825039	2 x 15	2 x 6,67					
		825040	2 x 18	2 x 5,56					
		825041	2 x 115	2 x 0,87					
250	2 x 115	825044	2 x 12	2 x 10,42	92	1,73	129	55	2,73
		825045	2 x 15	2 x 8,34					
		825046	2 x 18	2 x 6,95					
		825047	2 x 24	2 x 5,21					
		825048	2 x 30	2 x 4,17					
300	2 x 115	825050	2 x 12	2 x 12,50	93	1,96	128	60	3,07
		825051	2 x 15	2 x 10,00					
		825052	2 x 18	2 x 8,34					
		825055	2 x 24	2 x 6,25					
		825053	2 x 30	2 x 5,00					
		825054	2 x 115	2 x 1,31					

Subject to technical modifications without notice.

The current and voltage values in the table are AC nominal load values.
For further information, please refer to the data sheet which you can find on our homepage www.sedlbauer.de/en.

Standard programme Premium



Rated output [VA]	Primary voltage [V-AC]	Item No.	Rated voltage [V-AC]	Rated current [A-AC]	Efficiency [%]	No-load losses [W]	Diameter [mm]	Height [mm]	Weight [kg]
500	2 x 115	825057	2 x 12	2 x 20,84	94	2,86	156	62	4,78
		825058	2 x 15	2 x 16,67					
		825059	2 x 18	2 x 13,89					
		825062	2 x 24	2 x 10,42					
		825060	2 x 30	2 x 8,34					
		825063	4 x 32	4 x 3,91					
		825068	2 x 40	2 x 6,25					
		825061	2 x 115	2 x 2,18					
750	2 x 115	825064	2 x 12	2 x 31,25	96	4,88	168	76	7,33
		825065	2 x 18	2 x 20,83		4,73	168	76	7,33
		825066	2 x 30	2 x 12,50		3,95	172	72	6,80
		825067	2 x 115	2 x 3,26		3,95	172	72	6,80
1000	2 x 115	825070	2 x 12	2 x 41,67	96	6,95	198	76	9,60
		825071	2 x 18	2 x 27,78		6,42	198	76	9,60
		825072	2 x 30	2 x 16,67		5,78	172	88	8,75
		825074	2 x 50	2 x 10,00		5,78	172	88	8,75
		825075	4 x 50	4 x 5,00		5,78	172	88	8,75
		825073	2 x 115	2 x 4,35		5,78	172	88	8,75
2000	2 x 115	825080	2 x 115	2 x 8,70	98	10,53	215	115	16,00

Subject to technical modifications without notice.

Accessories

Mounting accessories
for version Basic

1 metal disc

2 rubber discs

Suitable for	Diameter	Item number
20 / 30 VA	50 mm	538432
50 / 60 VA	60 mm	538433
100 VA	70 mm	538434
200 / 300 VA	90 mm	538435
500 VA	110 mm	539599
1000 VA	160 mm	539600






Accessories for Polytronik® Toroidal Transformers

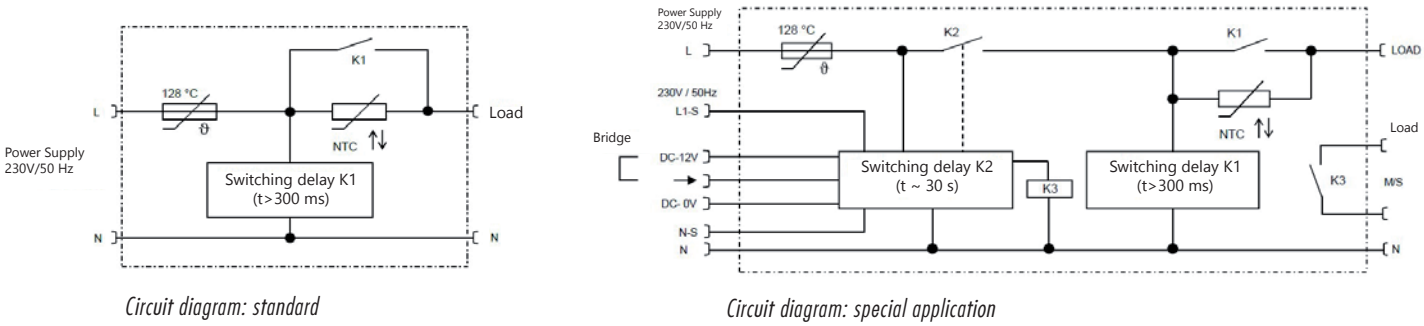
Inrush current limiter




Our inrush current limiters ensure current limiting when using transformers with high switching-on or starting currents. Based on our many years of experience and thus high-level of expertise in this area we offer a wide range of devices for different uses e.g. toroidal transformers, switching power supplies etc. to the assembly in military vehicles that have to resist strong vibrations and very low temperatures.

For further information, please refer to the data sheet which you can find on our homepage or contact us directly.

			
Model	SES-250V-16A SES-125V-16A	SES-250V-12A (mobile use)	SES-250V-16A HPB SES-400V-16A HPB SES-125V-16A HPB
Item no.	535742 535742-03	535742-04	535742-06 535742-05 535742-07
Voltage [AC]	230V + -10% 115V + -10%	230V + -10%	230V + -10% 400V + - 6% 115V + -10%
Rated current [AC]	16 A	12 A	16 A
Max. switching capacity [VA]	3500 VA	3000 VA	3500 VA
Max. ambient temperature ta [°C]	+10 to +60	-40 to +70 (extended temperature range)	+10 to +60
Integrated temperature fuse	128 °C / 16 A	128 °C / 16 A	128 °C / 16 A
NTC resistance	Recommended max. impulse peak: E/Joule 90, destroyed by impulse: E/Joule 180	Recommended max. impulse peak: E/Joule 90, destroyed by impulse: E/Joule 180	Recommended max. impulse peak: E/Joule 250, destroyed by impulse: E/Joule 500
Design	Black plastic chassis for wall or rail assembly (equipment)	Plastic housing, PCBs protected against vibrations and shocks	Black plastic housing for wall or rail assembly (equipment)
Connections	Screw terminals 2,50 mm²	4 pole PCB connectors GFKC 2,5	PCB terminals with lever 0,2 to 4 mm²
Dimensions in mm	L: 68 W: 57 H: 25	L: 68, W: 57, H: 35	L:79, W: 68, H: 24
Weight	0,060 kg	0,100 kg	0,160 kg

Subject to technical modifications without notice.



			
Model	SES-250V-16A-HPB (with rail housing)	Special application SES-250V-8A-SE (with control input)	Accessories Rail adapter
Item no.	535742-08	31 3340	535742-02
Voltage [AC]	230V -20% +10%	230V + -10%	Important: degreasing of the adhesive surface on the chassis!
Rated current [AC]	16 A	16 A	
Max. switching capacity [VA]	3500 VA	2000 VA	
Max. ambient temperature ta [°C]	+10 to +60	40	
Integrated temperature fuse	128 °C/ 16 A	128 °C/ 16 A	
NTC resistance	Recommended max. impulse peak: E/Joule: 250, destroyed by impulse E/Joule 500	Max. recommended pulse stress: E/Joule 250, destroyed by impulse E/Joule 500	
Design	Plastic housing for rail assembly	Black plastic housing for wall or rail assembly (equipment)	
Connections	Screw terminals 2,50mm²	Screw terminal 2,50 mm² Screw terminal 1,50 mm² 3- & 2 pole connectors	
Dimensions in mm	L: 90, W: 36, H: 60	L: 79, W: 68, H: 24	
Weight	0,160 kg	0,160 kg	

Subject to technical modifications without notice.

Equipment for Polytronik® Toroidal Transformers

DC line filter

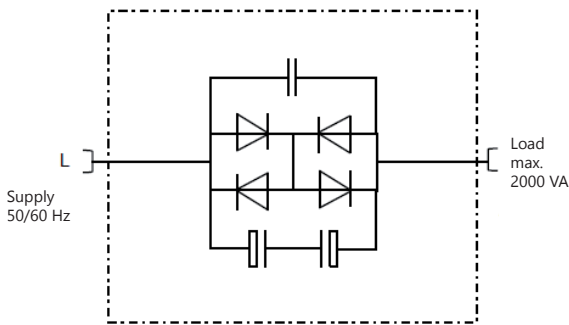
Our DC line filters serve as a ballast to minimise the humming of transformers regarding direct voltage components in the distribution network.

For further information, please refer to the data sheet which you can find on our homepage or contact us directly.

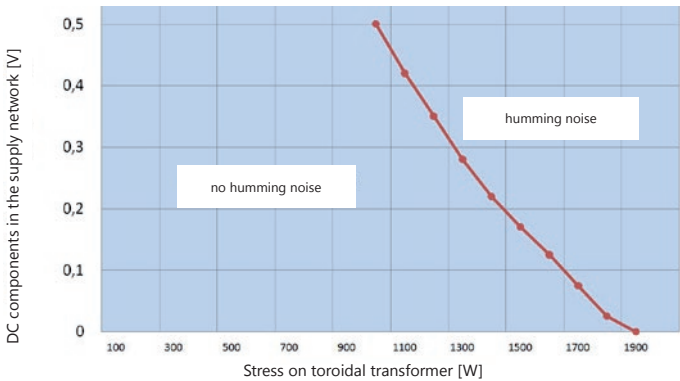


Model	DC line filter	DC line filter	DC line filter
Item no.	313141	313141-01	313141-02
Voltage [AC]	100 - 250V +10%	100 - 250V +10%	100 - 250V +10%
Rated current [AC]	up to 16 A	up to 10 A	up to 16 A
Max. power output [VA]	up to 2000 VA	up to 2000 VA	up to 2000 VA
Max. ambient temperature ta [°C]	60	60	60
Design	comes in plastic housing with lug, black (ABS)	sealed in plastic housing, black (ABS)	comes in plastic housing with lug, black (ABS)
Connections	▼ L1 input, ▲ L1 output: Terminal block 2,50 mm²	Strands 250 mm long 1,50 mm²	▼ L1 input, ▲ L1 output: Terminal block 2,50 mm²
Equipment	Rail adapter		Rail adapter
Dimensions in mm	L: 79, W: 68, H: 33	L: 50, W: 40, H: 30	L: 68, W: 57, H: 25
Weight	0,134 kg	0,150 kg	0,070 kg

Subject to technical modifications without notice.



Circuit diagram



Humming performance with DC filter

Medical Isolation Transformers

Our series of isolating transformers polyMIT® and MTT 1000/UL comply with the requirements of the medical standard IEC 60601 in the corresponding current version and are the first choice of equipment of modern, patient oriented doctor's offices and clinics due to their outstanding reliability. Because safety of operators and patients cannot be subject to any compromises!

Benefits for our customers:

- Safe galvanic isolation of the patient environment and electricity grid
- Limitation of the touch current of a connected device to values below the limits defined by the medical standard IEC 60601-1:2005 or EN 60601-1:2006 (certified, as well as TÜV)
- Constant power supply also for sensitive medical electrical devices
- Low magnetic stray field and fault-resistant construction
- Compact construction in aesthetic-functional design
- Wide range of products, an optimal solution for every application!
- Optionally available mounting kit for assembly in almost any position

Examples of application:



Therapy devices



Treadmills (therapy/rehab)



Ultrasound



ECG

Medical Isolation Transformers

polyMIT® line

Medical isolating transformers with NTC inrush current limiting

Model	polyMIT 350	polyMIT 700	polyMIT 1000	polyMIT 1700
Item no.	312900-01	312900-02	312900-03	312900-04
Nominal power output [VA]	350	700	1000	1700
Ambiant operating temperature (ta)	+ 10°C up to + 40°C			
Relative humidity	30% up to 75%			
Power input	IEC Power connector in accordance with EN 60320-1/C14			
Output voltage primary [V AC] +/- 10%	115 / 230	115 / 230	115 / 230	230
Supply frequency [Hz]	50/60			
Current consumption [A] 115 / 230 V	3,25 / 1,65	6,40 / 3,20	9,10 / 4,55	7,65
Power input fuse [A] 115 / 230 V	4,0 / 2,0	8,0 / 4,0	10,0 / 6,3	10
Power switch input (primary side)	yes			
Inrush current limitation	Surge Limiter NTC			
Overtemperature protection	Self-resetting temperature switch			
Device output (secondary)	6 x IEC 60320	6 x IEC 60320	8 x IEC 60320	8 x IEC 60320
Output voltage secondary [V AC]	230			
Output current [A]	1,53	3,05	4,35	7,39
Operation LED display	green			
Touch leakage current	< 100 µA under normal conditions, < 500 µA single fault condition			
Isolation, protective earth conductor resistance	> 2 M Ohm / < 0,1 Ohm			
Test voltage PRI - SEC [V AC]	4400			
Test voltage PRI/SEC chassis [V AC]	1700			
Electric safety class	Class I equipment, protective earthing			
IP classification	IP20			
Certification institution	TÜV -NRTL			TÜV
Basic principles / CE conformity	IEC 60601-1:2005 / EN 60601-1:2006 / A1:2013 / EN 60601-1-2:2015			
Classification according to MDR	Class I device			
Potential equalisation	Equipotential connector according to DIN 42801			
Case, surface	Metal housing, structured paint RAL 7035 light grey			
Dimensions [mm] (w x h x d)	170 x 105 x 280	190 x 105 x 300	230 x 105 x 330	260 x 105 x 350
Weight [kg]	6,5	9,5	13,5	19,0

Subject to technical modifications without notice.

polyMIT® line:

Medical isolating transformers with electronic inrush current limiting

Model	polyMIT 350e	polyMIT 700e	polyMIT 1000e	polyMIT 1700e
Item no.	312901-01	312901-02	312901-03	312901-04
Nominal power output [VA]	350	700	1000	1700
Ambiant operating temperature (ta)	+ 10°C up to + 40°C			
Relative humidity	30% up to 75%			
Power input	IEC Power connector in accordance with 60320-1/C14			
Output voltage primary [V AC] +/- 10%	115 / 230	115 / 230	115 / 230	230
Supply frequency [Hz]	50/60			
Current consumption [A] 115 / 230 V	3,25 / 1,65	6,40 / 3,20	9,10 / 4,55	7,65
Power input fuse [A] 115 / 230 V	4,0 / 2,0	8,0 / 4,0	10,0 / 6,3	10
Power switch input (primary side)	yes			
Inrush current limitation	Electronic inrush current limitation and half-wave failure recognition			
Overtemperature protection	Selfresetting temperature switch			
Device output (secondary)	6 x IEC 60320	6 x IEC 60320	8 x IEC 60320	8 x IEC 60320
Output voltage secondary [V AC]	230			
Output current [A]	1,53	3,05	4,35	7,39
Operation LED display	green			
Touch leakage current	< 100 µA under normal conditions, < 500 µA single fault condition			
Isolation, protective earth conductor resistance	> 2 M Ohm / < 0,1 Ohm			
Test voltage PRI - SEC [V AC]	4400			
Test voltage PRI/SEC chassis [V AC]	1700			
Electric safety class	Class 1 equipment, protective earthing			
IP classification	IP20			
Certification institution	TÜV-NRTL			TÜV
Basic principles / CE conformity	IEC 60601-1:2005 / EN 60601-1-2:2007			
Classification according to MDR	Class 1 device			
Potential equalisation	Equipotential connector according to DIN 42801			
Case, surface	Metal housing, structured paint RAL 7035 light grey			
Dimensions [mm] (w x h x d)	170 x 105 x 280	190 x 105 x 300	230 x 105 x 330	260 x 105 x 350
Weight [kg]	6,5	9,5	13,5	19,0

Subject to technical modifications without notice.

Certified according to:

- EN ISO 13485
- IEC 60601-1
- DIN EN ISO 9001
- Declaration of conformity
- UL 2601-1

Scope of delivery (applies to all polyMIT models):

- Isolation transformer
- Main power cable 3 x 1 mm , length 2,5 m, black
- User manual
- Retain clip for main power supply
- Replacement fuses¹: - T 2,0 A H (4 pcs.) - T 4,0 A H (4 pcs.)



¹ Technical details of the included spare fuses for each model can be found in the user manual.



Medical Isolation Transformers

Accessories for polyMIT® line (optional)

Item no.	Item	suitable for
312980-01	Network isolator „EMOSAFE EN-70e“: For interrupting the galvanically-conductive connection (wires and shield) between devices that are connected to each other via copper-controlled Ethernet wiring.	all
312902	Wall-mounting kit	polyMIT / polyMITe 350/700/1000/1700
312904	Connector lock sec. ²	polyMIT / polyMITe 350/700
312903	Connector lock sec. ²	polyMIT / polyMITe 1000/1700
312905	Connecting cable 1 metre	polyMIT / polyMITe 350/700/1000/1700
312906	Connecting cable 2 metres	polyMIT / polyMITe 350/700/1000/1700
505747	Power cable Europe, 4 metres	polyMIT / polyMITe 350/700/1000/1700
509876	Power cable US, 4 metres	polyMIT / polyMITe 350/700/1000/1700
537168	Spare fuses T 2,0 A H (4 pc.)	polyMIT / polyMITe 350
537169	Spare fuses T 4,0 A H (4 pc.)	polyMIT / polyMITe 350/700
537170	Spare fuses T 8,0 A H (4 pc.)	polyMIT / polyMITe 700
300327	Spare fuses T 6,3 A H (4 pc.)	polyMIT / polyMITe 1000
300328	Spare fuses T 10,0 A H (4 pc.)	polyMIT / polyMITe 1000/1700

² Connector lock secondary only for use with connecting cable 312905 and 312906

Subject to technical modifications without notice.



MTT 1000

Medical isolating transformer certified according to UL 2601-1

Model	MTT 1000 / standing version, UL approved, with NTC
Item No.	312150 / 312150-01
Nominal power output [VA]	850 (100 V AC primary) 1000 (120 / 230 V AC primary)
Ambiant operating temperature (ta)	+ 10°C to + 40°C
Relative humidity	30 % to 75 %
Power input	IEC Power connector in accordance with EN 60320-1/C14
Output voltage primary [V AC]	100 / 120 / 230 +/- 10%
Supply frequency [Hz]	50 / 60
Current consumption [A] bei 100/120/230 V	9,1 / 8,9 / 4,7
Power input fuse [A] at 100/120/230 V	10 / 6,3
Power switch input (primary side)	yes
Inrush current limitation	Surge limiter NTC
Overtemperature protection	Self-resetting temperature switch
Device output (secondary)	8 x device plug IEC 60320
Output voltage secondary [V AC]	230
Automatic circuit breaker [A]	6
Touch leakage current	< 100 µA under normal conditions, < 500 µA single fault condition
Isolation, protective earth conductor resistance	> 2 M Ohm / < 0,1 Ohm
Test voltage PRI - SEC [V AC]	4400
Test voltage PRI/SEC chassis [V AC]	1700
Electric safety class	Class 1 equipment, protective earthing
IP classification	IP20
Certification institution	TÜV / NRTL
Basic principles / CE conformity	IEC 60601-1:2005 / EN 60601-1:2006 / A1:2013 / EN 60601-1-2:2015
Basic principles cUL	UL 2601-1 (E222050)
Additional standards	CSA C22.2 No. 601.1-M90
Classification according to MDR	Class 1 device
Potential equalisation	Equipotential connector according to 42801
Case, surface	Metal housing, structured paint RAL 9002
Dimensions [mm] (w x h x d)	141 x 190 x 326
Weight [kg]	14,6

Scope of delivery: Isolation transformer, main power cable (3 x 1,5 mm², L= 4 m), spare fuses, user manual, retain clip

Accessories (optional):

Item number	Item
312150-01	MTT1000/UL without main power cable
300327	Spare fuses T 6,3 A H (operating with 230 V), 4 pcs.
300328	Spare fuses T 10,0 A H (operating with 100 V / 120 V), 4 pcs.
305990	Power mains cable Europe 4 metres, orange, europlug
509876	Power cable US, 4 metres, black



Subject to technical modifications without notice.

Medical Isolation Transformers

New polyMIT® line 50/100/200: compact - handy - safe!

Some of our customers are looking for a small, compact isolating transformer that should be e.g. combined only with a standalone device or established for simple medical electrical systems. Now, we want to meet this requirement with our new polyMIT series 50 /100/200: These devices are compacter, handier, easier to use and they offer an optimal price-performance ratio with reliable high quality and safety.



Model	polyMIT 50	polyMIT 100	polyMIT 200
Item No.	312900-05	312900-07	312900-08
Nominal power output [VA]	50	100	200
Output voltage primary [V AC] +/- 10%	230	230	230
Current consumption [A]	0,24	0,48	0,94
Supply frequency [Hz]	50 / 60 Hz		
Inrush current limitation	/		
Mains fuse [A]	0,5	1,25	2,5
Power input	IEC Power connector in accordance with EN 60320-1/C14		
Operation LED display	green		
Thermal overload protection secondary	no		
Output voltage secondary [V AC]	230		
Nominal current secondary [A]	0,22	0,44	0,87
Power switch primary	yes		
Touch current	< 100 µA under normal conditions, < 500 µA single fault conditions		
Isolation, protective earth conductor resistance	> 2 MOhm / < 0,1 Ohm		
Test voltage [AC]	primary-secondary: 4 kV AC, primary/secondary - case: 1,5 kV AC		
Ambiant operating temperature (ta)	+ 10°C to + 40°C		
Overtemperature protection	self-resetting temperature switch		
Relative humidity	30 % to 75 %		
Atmospheric pressure [hPa]	700 – 1060		
Connector secondary	1 x IEC60320	3 x IEC60320	3 x IEC60320
Case, surface	Metal housing, structured paint RAL 7035 light grey		
Dimensions (w x h x d) [mm]	120 x 58 x 160	165 x 78 x 200	165 x 78 x 200
Weight [kg]	2,6	3,5	4,5
Electric safety class	Class 1 equipment, protective earthing		
IP classification	IP 20		
Approvals	CE, according to EN 60601-1:2013		
Basic principles / CE conformity	Regulation (EU) nr. 2017/745 on medical products (MDR) as of 5th May 2017		
Classification according to MDR	Class I device		

Subject to technical modifications without notice.

Pulse Transformers

Standard programme

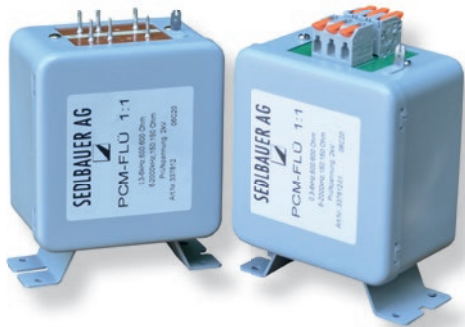
Item no.	Model	Electric strenght [kV]	Adaptation Z [Ohm]	Frequenzy [kHz]	Design
337812 337374 3378121*	PCM-FLÜ	2	600:600 150:150	0,3 - 6 6 - 2000	01 03 01
310091 310090	PCM-FLÜ	6	600:600 150:150	0,3 - 6 6 - 2000	01 03
331724 330663	PCM-FLÜ	10	600:600 150:150	0,3 - 6 6 - 2000	14 15
332259	PCM-FLÜ	2	150:150	25 - 2100	09
306070 3060702	PCM-FLÜ	20	600:600 150:150	0,3 - 6 6 - 2000	60 Without housing
319686*	NFLÜ 321	6	600:600	0,3 - 3,4	03
300012** 300322**	NFLÜ 32	2	600:600	0,3 - 3,4	01 03
300632** 300829**	NFLÜ 32	6	600:600	0,3 - 3,4	01 03
304417**	NFLÜ 324	6	600:600 1200:600 600:1200	0,3 - 3,4	03
314404 311669	NFLÜ 327	2	600:600 600:1200 600:1600	0,3 - 3,4	01 03
301612	NFLÜ 32	20	1:1	0,01 - 3,4	
314102**	NFLÜ 32	20	600:300	0,3 - 3,4	60
308277	NFLÜ	2	2000:5000	0,3 - 3,4	01
303534	NFLÜ	20	600:600	0,3 - 6	60
303364**	NFLÜ	2	500:675	0,3 - 3,4	01
303330**	NFLÜ	2	600:300	0,3 - 3,4	01
303348**	NFLÜ	2	600:1200	0,3 - 3,4	01
303313**	NFLÜ	2	600:600	0,3 - 3,4	01
303356**	NFLÜ	2	450:1200	0,3 - 3,4	01
305154	TFLÜ 527	2	150:130/ 150 / 174	6 - 252	01
318566	TFLÜ 527	2	150:130/150 / 174	6 - 252	09
333999*	TFLÜ 525	6	150:130/174	6 - 252	01
304930	TFLÜ 525	2,5	150:130/174	6 - 252	01
304247	NFGÜ	2	600:2x600	0,3-15	03
304344	NFGÜ	2	600:4x600	0,3-15	03
304093	NFGS	2	600:2x600	0,3 - 6	03
306479	BBÜ	20	600:600 / 150:150	0,3 - 6 / 6 - 252	60

* Prepared for overvoltage protection plug (see equipment)
** Ringing voltage

The SEDLBAUER standard pulse transformer programme complies with the full range of needs in wired communications engineering in the reflection-free interconnection of sub-elements of a complex system.

If special technical requirements cannot be met with the standard transformer programme, we also develop transformers according to customer specifications. We will gladly advise you on planning and project configuration.

For a quick and safe installation we offer complete solutions, e.g. consisting of: cable termination cabinets and racks, pre-assembled, pre-wired and tested transfer rails or transformers pre-mounted on special installation support frames.



Subject to technical modifications without notice.

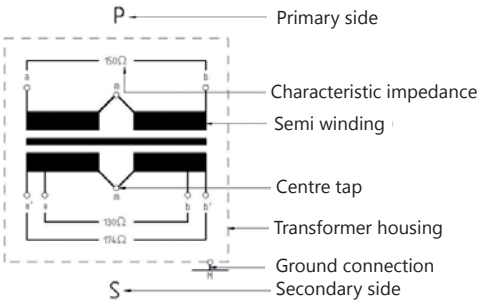
Pulse transformers

Accessories

Item no.	Item	Figure
307874	Plug for overvoltage protection wire/ground, 230 V	
310345	Adapter set for attaching transformers with design type 03 or 15 on support rail 35 mm - top-hat profile (1 set = 10 adapter pieces)	
318 868 1	Mounting plate for mounting 2 transformers of type 01/03 or type 14/15, incl. fastening material for installation in bays	
310 874	3HE transfer rail for reception of 6 transformers of type 01/03/14/15 for installation in 19" racks (with adapter in metric racks)	
345 192	Marking-strip holder with guide strip (suitable for mounting plate 318 868 1 and 318 388) for labelling and cable fixing	
337 471	Mounting plate for transformer type 01/03 with accessories	
319 554	Double plug 6463F with 2 ÜSAG 230V with strand 150 mm and extended plug	

Subject to technical modifications without notice.

Transformer switching symbol:



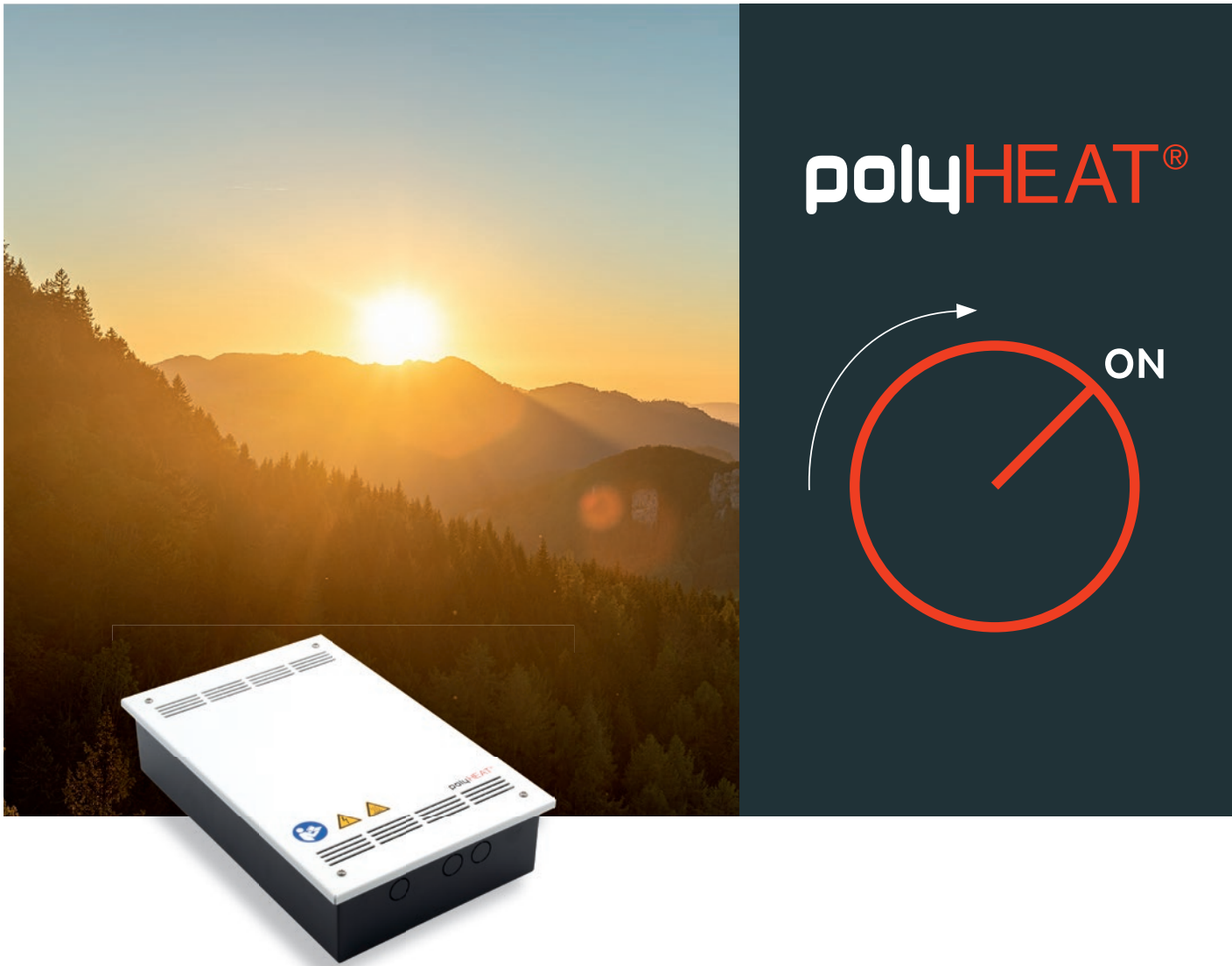
polyHEAT® - power supply for infrared heating mats

Heating according to the sun's model

Imagine sitting in your winter garden on a cold but sunny winter day. You feel sun rays on your face, a soothing and intense warmth. Slowly the winter garden heats up, including the furniture and the walls, and finally the air.

This is the principle on which infrared heating works. Like the radiant heat of the sun, it first heats the objects in the room. The heat they radiate then gently warms up the surrounding air. With infrared heating, thanks to the pleasant radiant warmth, you can reach your comfortable temperature even at lower temperatures. This way, you can keep your energy expenditure as low as possible - without having to miss comfort.

SEDLBAUER develops and produces connection devices for infrared heating systems. Based on our many years of experience in the fields of power supply and electromechanics our clients can rely on the highest quality. Furthermore, our products are tested by the TÜV (german MOT) and thereby offer maximum safety standards.






polyHEAT® - power supply for infrared heating mats

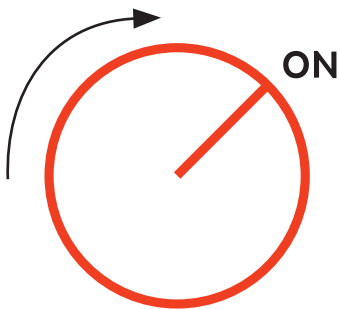
Benefits

WHAT IS THE COST OF INFRARED HEATING FOR A FAMILY HOME?

Comparative calculation new building: living space 120 m²
Required heating power: new building: 5 - 7 kW | old building: 7,5 - 10 kW

	 Infrared heating	 Gas heating	 Heat pump
Energy demand	7,000 kWh	17,600 kWh	5,000 kWh
Operating costs	3,010 €	3,168 €	2,000 €
Maintenance costs		250 €	250 €
Chimney sweeper		100 €	
Repair costs p.a distributed over 20 years	50 €	200 €	200 €
Total	3,060 €	3,718 €	2,450 €
Investment costs	6,000 €	12,000 €	25,000 €
Connection costs	6,000 €	10,000 €	10,000 €
Total	12,000 €	22,000 €	35,000 €
Distributed over 20 years of usage	600 €	1,100 €	1,750 €
Overview of the costs p.a.	3.660 €	4.818 €	4.200 €

Electricity price 0.43 € per kWh | heat pump 0.40 € per kWh | gas price 0.18 € per kWh
As of Nov. 2022



ADVANTAGES RADIANT HEATING COMPARED TO CONVECTION HEATING

- High flexibility in placement in the room
- short warm-up phase
- natural well-being
- sustainable and efficient
- no maintenance costs
- low acquisition costs

The flexible system allows use as a central heating system but also decentralized in individual rooms as flush-mounted variant.



polyHEAT® - power supply for infrared heating mats

Technical details

Item no.	Type	Voltage [V-AC]	Heating circuits (individually switchable)	Output power per heating circuit [W]	Dimensions L x W x H [mm]
313930-02	Power supply polyHEAT 400 UP/AP	24 / 36 / 45	1	350 / 400 / 400	358 x 228 x 80
313930-05	Power supply polyHEAT 800 UP/AP	24 / 36 / 45	2	350 / 400 / 400	468 x 298 x 108
313930-08	Power supply polyHEAT 1200 UP/AP	24 / 36 / 45	3	350 / 400 / 400	468 x 298 x 108
313930-09	Power supply polyHEAT 2400 AP	36 / 45	6	400 / 400	554 x 356 x 142
313930-10	Power supply polyHEAT 3200 AP	36 / 45	8	400 / 400	554 x 356 x 142




AT A GLANCE

- Toroidal transformers guarantee a safe supply of heating systems with low voltage.
- Demand-oriented control of several heating zones via room thermostats with one device.
- Low losses in standby
- Universal device thanks to selectable heating circuit voltage
- Overload and overtemperature protection integrated in each heating circuit
- Smart-Home ready



Charging stations for electric vehicles

The SEDLBAUER AG produces AC charging boxes with an output power of up to 22 kW (400 V, 32 A) according to current DIN standards. In addition to our own developments and products we also produce B2B solutions in series production. The company has the entire necessary value chain: Project planning, development, construction, logistics and after-sales service.

			
Model	SlimBox	SlimBox „E“	SlimBox-Pro
Item number	312866-7024	313263-9006	313493-7024
Max. charge power [kW]	22	22	22
Voltage primary [V AC] +/- 10%			
1-phase:	230	230	230
3-phase:	400	400	400
Max. current consumption [A]	32	32	32
Adjustable charging current during installation	16 A / 32 A	16 A / 32 A	6 A to 32 A in 1A steps
Mains frequency	50 / 60 Hz		
Power input	Permanent connection to integrated terminal		
Max. cross-section	6 mm² flexible 10 mm² inflexible		10 mm²
Operating display	white LED		
Authentification/Activation	Removable key switch, potential-free, enabling contact		
Charging mode	Mode 3		
Fault DC current monitoring module	No	No	Yes
Additional external interfaces	none		OCPP 1.5 and OCPP 1.6 in conformity with JSON, SOAP CONFIG-Interface Ethernet Modbus RTU/TCP
Load management	Load shedding via enabling contact possible		Dynamic load management and unbalance detection possible
Mounting	Wall or column mounting		
Operating & storage temperature	- 30°C to + 50°C		- 20°C to + 50°C
Charging socket	Type 2		
Housing	Stainless steel 1.4301		
Standard colours	RAL 7024	RAL 9006	RAL 7024
Scope of delivery	wall holder and mounting accessories included		
Dimensions (w x h x d) [mm]	200 x 200 x 200		
Weight [kg]	6		
Electric safety class	Class 1 equipment		
IP classification	IP 54		
Basic principles / CE conformity	RoHS, IEC62196, DIN EN 61851		

Subject to technical modifications without notice.

Charging stations for electric vehicles

Pedestal for SlimBox, Slimbox „E“ and SlimBox-Pro



- free-standing pedestal
- Available as single or double version
- Ground assembly with 4 screws
- Mounting accessories included
- square tube
- Varnishing: anthracite (RAL 7024); customised varnishing on demand



Certified according to

EN ISO 9001:2015

EN ISO 13485:2016

ENEC RSO/RSV

ENEC RTO/RTV

UL 508, file number E182061

NRTL certificate for polyMIT®

Declaration of EU Conformity polyMIT®

NRTL certificate for MTT1000

Declaration of EU conformity MTT1000

a.o.



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Images:

Alexander Raths; Villevi; Peter Haeberli - stock.adobe.com (p.11)

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