

Isolating transformer for supply of medical rooms
TTML



General Data

Rated input voltage 230 Vac
Rated output voltage 115 and 230 Vac
Rated power 3150 - 8000 VA
Insulation class B
Maximum ambient temperature 40 °C
Efficiency up to 97 %
Degree of protection IP 00

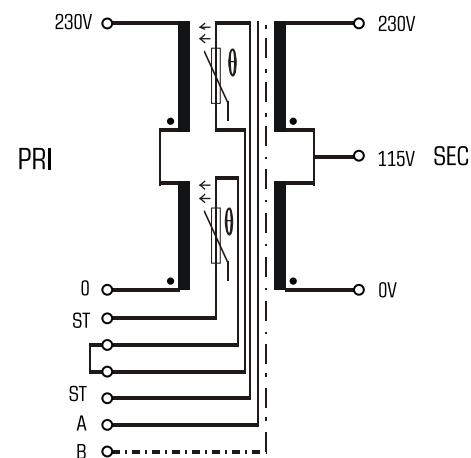
Advantages

Safe galvanic isolation
PTC resistor built into every coil to set up an external monitoring unit for protection against overload
Very good switch-on behaviour thanks to reduced starting currents
Very high efficiency
Very low short circuit voltage
Very low idle current
Very good corrosion protection and low noise thanks to BLOCKIMPEX vacuum impregnation
Contact protected screw connection terminals complying with UVV BGV A3
Low height

Applications

Isolating transformer for supply of medical rooms of the User group 2.

Sample application



Standards 

Isolating transformer for supply of medical rooms
to: VDE 0570 Part 2-15, VDE 0100 Part 710, DIN EN 61558-2-15,
EN 61558-2-15

Approvals **ERC**

1.1

1.2

1.3

2.1

2.2

3.1

3.2

3.3

4.0

5.1

5.2

1 Transformers

Isolating transformers



Isolating transformer for supply of medical rooms

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Typ	TTML 3150/230	TTML 4000/230	TTML 5000/230	TTML 6300/230	TTML 8000/230
Electrical data					
Input					
Rated input voltage	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac
Low-inrush current	≤12 x INom	≤12 x INom	≤12 x INom	≤12 x INom	≤12 x INom
Frequency range	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Output					
Rated output voltage	115 and 230 Vac	115 and 230 Vac	115 and 230 Vac	115 and 230 Vac	115 and 230 Vac
Rated Power	3150 VA	4000 VA	5000 VA	6300 VA	8000 VA
Short circuit voltage	≤3 %	≤3 %	≤3 %	≤3 %	≤3 %
No-load current	≤3 %	≤3 %	≤3 %	≤3 %	≤3 %
Efficiency	97.0 %	97.0 %	97.0 %	97.0 %	97.0 %
Environment					
Ambient temperature max.	40 °C	40 °C	40 °C	40 °C	40 °C
Safety and protection					
Type	Open type	Open type	Open type	Open type	Open type
Insulation class	B	B	B	B	B
Protection index	IP 00	IP 00	IP 00	IP 00	IP 00
Safety class (prepared)	II	II	II	II	II
Short circuit strength	non-short-circuit proof	non-short-circuit proof	non-short-circuit proof	non-short-circuit proof	non-short-circuit proof
Test voltage	3.75 kVac	3.75 kVac	3.75 kVac	3.75 kVac	3.75 kVac
Order numbers					
Order Number	TTML 3150/230	TTML 4000/230	TTML 5000/230	TTML 6300/230	TTML 8000/230

Order Number	TTML 3150/230	TTML 4000/230	TTML 5000/230	TTML 6300/230	TTML 8000/230
Mechanical data					
Terminal and mounting					
Terminals	Screw-type terminal 10 mm ² , Screw-type terminal 4 mm ²	Screw-type terminal 10 mm ² , Screw-type terminal 4 mm ²	Screw-type terminal 10 mm ² , Screw-type terminal 4 mm ²	Screw-type terminal 10 mm ² , Screw-type terminal 4 mm ²	Screw-type terminal 10 mm ² , Screw-type terminal 4 mm ²
Fixing method	Fixing rail	Fixing rail	Fixing rail	Fixing rail	Fixing rail
Fixing screws	M8	M8	M8	M8	M8
Measures and weights					
Weight	50.00 kg	55.00 kg	60.00 kg	67.00 kg	75.00 kg
Dimension picture (in mm)	2	2	2	2	2
A	245	275	275	275	275
B	200	200	210	225	240
C	300	350	350	350	350
D	204	234	234	234	234
E	240	280	280	280	280

Dimension pictures

