

Data sheet: Safety isolating transformers type SIM

Description : safety isolating transformer

Approval : VDE 0551/EN 60 742



Test voltage : PRI - SEC 5000 V, 50 Hz

Short-circuit protection : short-circuit proof

Construction : potted in insulated housing

Protection class : protection class II

Protection index : IP 20

Max ambient temperature : + 40 °C

Insulation class of the
insulation system : A

Input voltage : 230 V

Frequency : 50 - 60 Hz

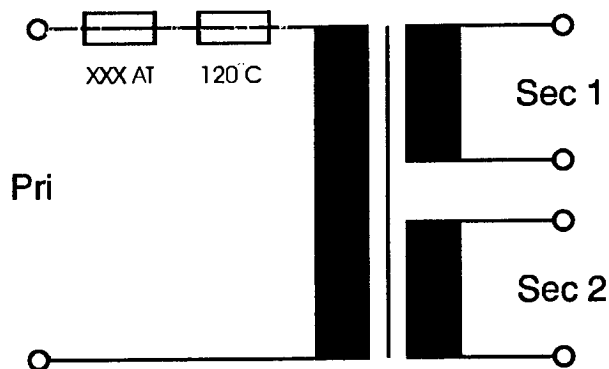
Output voltage : 2x12 V

Connections : screw-type terminals

Mounting : fixing holes in the terminal connection compartment

Packing : separately packed in cartons

Schematic plan :



Description:

The SIM type are short circuit proof safety isolating transformers encapsulated in resin.

These transformers have terminal connection compartments with integrated strain relief for the connecting leads on input and output side.

In the terminal connecting compartments there are break through holes for mounting.

The primary circuit of the transformer has got integrated fuse protection and a thermal cutout against overloading and short circuits.

The dual output enables series or parallel working

Note :

- * fully cast-resin moulded transformer
- * incorporated fuse protection and thermal cutout against overloading and short circuits
- * terminal connection compartment with integrated strain relief

Output power 60 VA Type SIM 60
 Height 76 mm Weight 1550 g
 Ground area 166 mm x 77 mm

Input Voltage (V)..... 230
 Primary fuse..... 0,4AT
 AC Full Load Voltage (V) 2x12
 AC Output Current (A) 2,5

Regulation typ. 12,9 %
 No load (active) power typ. 3,3 W
 Efficiency typ. 83,5 %

Output power 100 VA Type SIM 100
 Height 76 mm Weight 2000 g
 Ground area 166 mm x 77 mm

Input Voltage (V)..... 230
 Primary fuse..... 1,0AT
 AC Full Load Voltage (V) 2x12
 AC Output Current (A) 4,17

Regulation typ. 7,7 %
 No load (active) power typ. 4,9 W
 Efficiency typ. 87,5 %

