

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

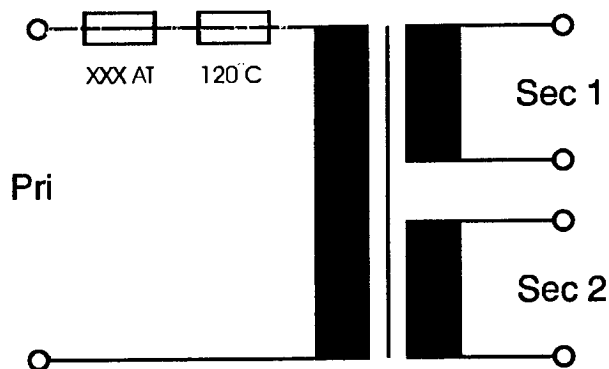
Output voltage : 2x12 V

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 250 VA Type SIM 250
 Height 117 mm Weight 4200 g
 Ground area 223 mm x 117 mm

Input Voltage (V)..... 230
 Primary fuse..... 4,0AT
 AC Full Load Voltage (V)..... 2x12
 AC Output Current (A)..... 10,41

No load output voltage x Faktor = typ. 1,06
 Regulation typ. 5,7 %
 No load (active) power typ. 10,5 W
 Efficiency typ. 90,5 %

Output power 300 VA Type SIM 300
 Height 117 mm Weight 4900 g
 Ground area 223 mm x 117 mm

Input Voltage (V)..... 230
 Primary fuse..... 5,0AT
 AC Full Load Voltage (V)..... 2x12
 AC Output Current (A)..... 12,5

No load output voltage x Faktor = typ. 1,05
 Regulation typ. 5,1 %
 No load (active) power typ. 14 W
 Efficiency typ. 91 %

