

Class I - Isolating Transformer (Step Down Version)

The Family of "STIG-DX" Series

USE

The **STEED STIG** series **Isolating Transformers** are specifically designed for converting voltages of commercial AC power source either from 230V down to 115V (**STIG-DX** series) or from 115V up to 230V (**STIG-UX** series) for operating electric or electronic appliances where the voltage of the AC power source does not match the input voltage rating of the appliance(s).

DESIGN GOAL

The **STIG** units are **electrically isolated** between primary and secondary and are mechanically connected to **earth** through the power source. It converts voltages by linear transformer ***** without introducing waveform distortion, plus it is installed with a **brass surrounding** for stray magnetism shielding, so ideal for operating precision electric and electronic appliances without generating audible noise or interference.

APPLICATIONS

A small sample of the range of appliances suitable to use with this **STIG** units are such as: Hi-Fi, TVs, Radios, Computers, Communication equipments, Medical and Dental appliances, toys and Hand held appliances etc.

*(*Not converting voltages by semi-conductors, such as S.C.R., Triac etc. as these methods generally will generate serious waveform distortions, so can't be used with audio or video etc. appliances).*

FEATURES

- ◆ Isolated between primary and secondary
- ◆ Protective earth carried through to the output
- ◆ **Resettable Circuit Breaker** for overload protection
- ◆ Linear transformer design, no waveform distortion
- ◆ **Brass surrounding shield**, minimizing magnetic interference
- ◆ Compact, excellent, safe and robust construction
- ◆ Handle provided, ease of carrying

FIG. 1) - Top View of **STIG-DX** Series

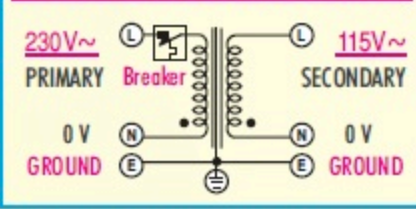


TUV APPROVED
FULL SERIES MODELS
TUV CERT. No. (S 9654493) I-9664208-9608

STIG-DX Series

- ★ Designed for **Step down** from 230V to 115V majority are for use in Europe. So unless has specified, it comes with a Schuko type plug as a standard. *(Other types on request).*
- ★ The output are provided with a NEMA 5-15R of North America type AC outlet as a standard. *(Universal type adaptors are available on request.)*
- ★ All models were TUV approved for CE marks.

STIG-DX Series Circuit Schematic



| STEED MODEL NO. | Nominal Input Power 230V~ +/- 5% 50/60 Hz | | | | Output Power +/-5% | | | Dim. in mm | | | N.W. (Kgs) | PCS (Ctn.) |
|-----------------|---|-------|---------|-----------------|--------------------|------|--------|------------|-----|-----|------------|------------|
| | Watts | Amp | Breaker | Power Cord | Volts | Amp | V A | W | D | H | | |
| STIG-DX-65 | 65W | 0.30A | 0.5A | H03VV-F 0.75mm² | 115V | 0.6A | 65VA | 106 | 70 | 82 | 1.5 | 12 |
| STIG-DX-120 | 120W | 0.54A | 1.0A | H03VV-F 0.75mm² | 115V | 1.0A | 120VA | 132 | 74 | 90 | 2.4 | 6 |
| STIG-DX-250 | 250W | 1.12A | 2.0A | H03VV-F 0.75mm² | 115V | 2.2A | 250VA | 133 | 81 | 98 | 3.2 | 6 |
| STIG-DX-500 | 500W | 2.20A | 3.0A | H05VV-F 0.75mm² | 115V | 4.3A | 500VA | 158 | 100 | 120 | 6.0 | 4 |
| STIG-DX-750 | 750W | 3.50A | 4.0A | H05VV-F 0.75mm² | 115V | 6.5A | 750VA | 182 | 117 | 142 | 9.0 | 2 |
| STIG-DX-1000 | 1000W | 4.60A | 5.0A | H05VV-F 1.00mm² | 115V | 8.7A | 1000VA | 202 | 117 | 142 | 10.8 | 2 |

◆ STIG-33-xxxx of 115V to 115V or STIG-77-xxxx of 230V to 230V Isolating Transformers are available on request

FIG. 2) - SEC. of **STIG-DX** Series



FIG. 3) - PRI. of **STIG-DX** Series

