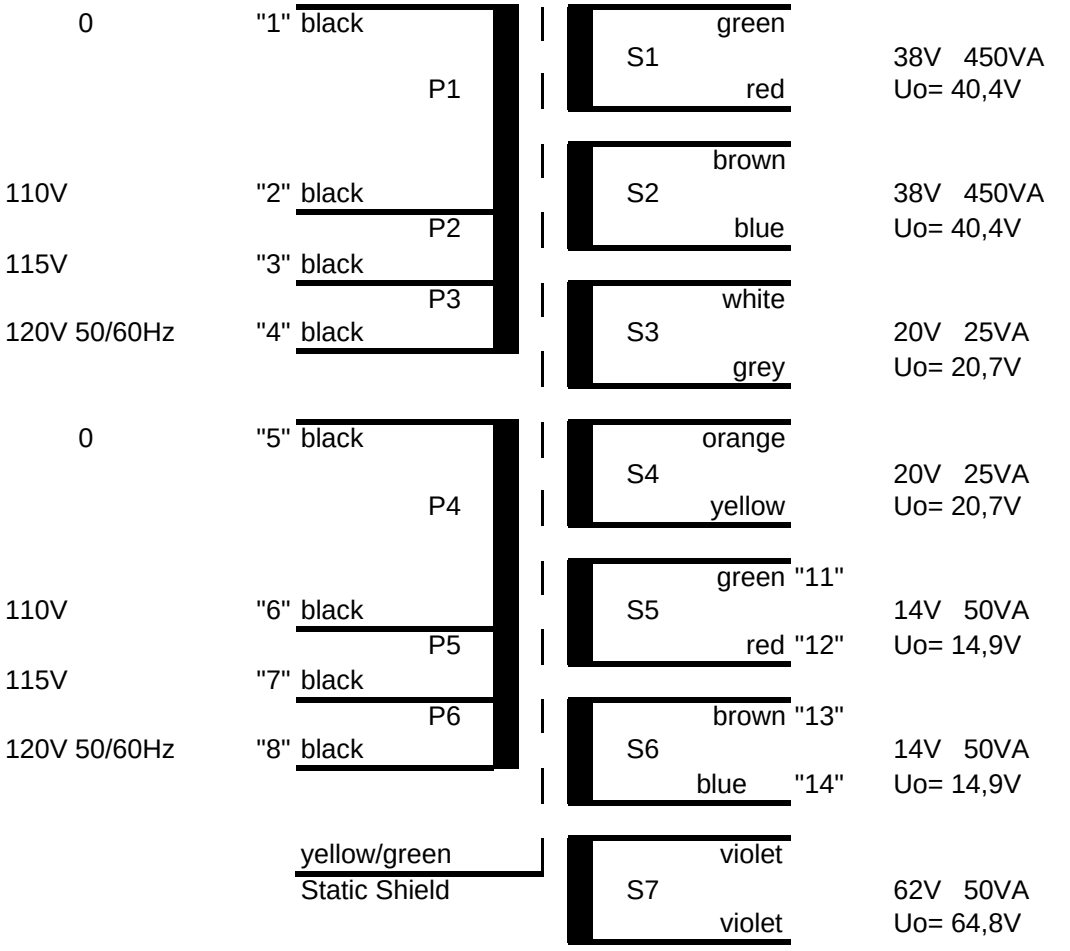
NORATEL

Audio

FO/SA/03/03

Customer: Golf 3000 ***Transf. No. AP-081046-AU***

Designed: 2008-11-06/mg



Winding P1 and P2 are not reliably isolated from each other and should be connected in either parallell or series configuration.

Mounting hardware: Potted cetre with drilled centre hole.
1 pc, metal washer D=145 mm.
2 pcs, rubber pads D=148 mm.

Dimensions: OD = App. 200 mm.
H = App. 90 mm.

Terminations: 200 mm.

NORATEL

Noratel Sweden AB

Transf. No. AP-081046-AU

Prim. 2x(0-110-115-120V) 50/60Hz

Sec. 2x(38V 450VA) , 2x(20V 50VA) , 2x(14V 50VA) , 62V 50VA

c UL us

CE

EC/EEA Declaration of conformity

Type of equipment: **Toroidal insulation transformer.**

Brand name: **Noratel**

Part no: **AP-081046-AU**

Customer: **Golf 3000**

Manufactures:

Toroid International (Pvt) Ltd
PO Box 15, Phase 2, FTZ
Katunayake, Sri-Lanka

Noratel Sweden AB
Box 3
351 03 Växjö, Sweden

Toroid India Pvt Ltd
Technopark Campus
Trivandrum 695 581
Kerala, India

Manufacture´s representative within EEA:
Noratel Sweden AB
Box 3
351 03 Växjö, Sweden

As the manufacturer´s authorised representative established within EEA, we declare that the product is in conformity with the provision of the EC directives: Low Voltage Directiven (LVD) 73/23/EEG, 93/68/EEG

The product fulfils the requirements according to the following harmonised standards:
EN 61558-2-4

All transformers have been inspected and tested with approved result according to the following:

1. Ocular inspection
2. No-load input current
3. No-load secondary voltage
4. Dielectric strength between primary and secondary windings

The product is to be regarded as a modular component to be used in an electric apparatus that in turn has to fulfil the EMC - directives.

The product itself does not need to be EMC approved for CE marking according to directive 89/336/EEG, 92/31/EEG and 93/68/EEG

Date: 2008-11-06

Mikael Gustavsson / Design engineer

Declaration of Insulation Transformer No. AP-081046-AU

Customer: Golf 3000

Customer Part No:

This transformer is CSA- and UL-Recognized component, File No. E115159, according to following standards:

UL1411 & CAN/CSA C22.2 No. 1-94
Transformer and Motor Transformers for use in Audio-, Radio- and Television type appliances

UL6500 & CAN/CSA E60065-00
Audio/Video and Musical Instrument Apparatus for Household, Commercial, and Similar General Use

The construction of this transformer fulfill the requirements according to EN 61558-1.

Core.
The core is tapewound with cold-rolled non oriented silicon steel.
Core Dimensions: 180 x 100 x 60 / 0,35mm.

Core Protection.
The core is insulated with min. four layers of 0,05mm thick Polyesterfilm.
UL-Approved under Guide QMFZ2. Flame Class UL 94VTM-2.
Approved for 130°C.

Copper Wire.
Polyesterimid enamelled copper wire, according to IEC 317-13.
Approved for min. 180°C.

Primary Termination.
Stranded wire AWG 18.
UL-Approved under Guide AVLV2, Style 1569. Approved for 300V and 105°C.
Plus an extra insulation tube. UL-Approved under Guide YDPU2. Approved for 105°C.

Secondary Termination.
The wire ends are insulated with insulation tubes.
UL-Approved under Guide UDPU2. Approved for 300V and 105°C.

Insulation Primary - Static shield and secondaries.
The insulation between the primary and the secondary consists of min. six layers of 0,05mm thick Polyester film (total thickness min. 0,3mm).
UL-Approved under Guide QMFZ2. Flame Class UL 94VTM-2.
Approved for 130°C.

Two of these layers withstands together 4000Vac for one minute. The creep distance exceeds 8mm and the insulation resistanceis more than 5000 Megohm.

Static Shield.
A static shield made of insulated copper foil is wound between the primary and the secondary.
Termination: Style 1569 AWG 18.

Final Insulation.
The outer insulation consists of min. two layers of 0,05mm thick Polyester film.
UL-Approved under Guide QMFZ2. Flame Class UL 94VTM-2.
Approved for 130°C.

Mounting Hardware.
Washer mounting, consisting of one metal washer and two rubber pads.

Potted Centre.
The centre hole is filled with self-extingushing Polyurethane.
UL-Approved under Guide QMFZ2.
Approved for 120°C. Flash point: Over 200°C.

2008-11-06 / Mikael Gustavsson