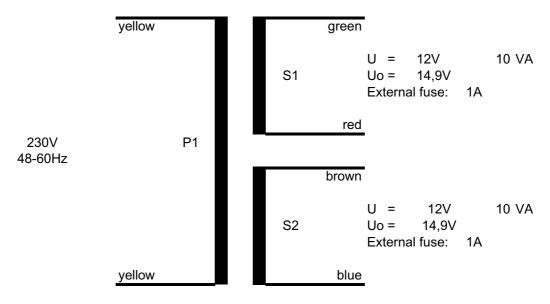


Customer: ELFA AB

56-132-60

Transf. No. AA-98021 Designed: 1999-04-13 / ts



### Classification

Protection against electrical shock:	Safety Isolating Transformer
Protection index:	IP00
Protection against short-circuit and abnormal use:	Non-short-circuit proof
Time of operation:	Continously
Intended use:	Incorporated
Ambient temperature / Material Classification:	Ta40/E

Assembling: Centre potted with a drilled centre hole with an insert nut type M4.

A rubber pad is glued at the bottom of the transformer.

Dimensions: OD = 59 mm

H = 33 mm

Terminations: Prim: Multistranded Wire Style 3266. Awg 20 L = 200mm

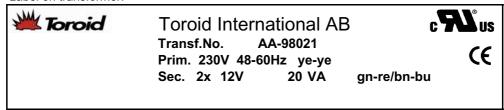
Sec: Solid Copper insulated with tubes of Natvar. L = 200mm

Label on the paper box.

Toroid International AB
Transf.No. AA-98021

ELFA P/N: 56-132-60

Label on transformer.





Declaration of Insulation Transformer No. AA-98021
Customer: ELFA AB
Customer Part No: 56-132-60

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

## UL1950 & CAN/CSA C22.2 No. 950-95

Standard for safety for Information Technology Equipment, including Electrical Business Equipment.

The construction of this transformer also fulfill the requirements according to IEC 601.1, EN 61558-1, EN 60 950, EN 60 065, UL 2601.1, UL 6500, UL 1411.

#### Core.

The core is tapewound with cold-rolled grainoriented silicon steel.

Core Dimensions: 50x30x20 mm

#### **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 20

UL-Approved under Guide AVLV2, Style 3266. Approved for 300V and 125°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 YDPU2. Approved for 300V and 105°C.

# Insulation Primary - Secondary.

The insulation between the primary and the secondary consists of min. four layers of 0,05mm thick Polyester film (total thickness min. 0,2mm).

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 resistance is more than 5000 Megohm.

## 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.

# 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.



# **EC/EEA Declaration of conformity**

Type of equipment: Safety Isolating Transformer

Brand name: Toroid

Part no: **AA-98021** 

Customer: ELFA AB 56-132-60

Manufactures: Toroid International (Pvt) Ltd Toroid International AB

PO Box 15, Phase 2, FTZ Box 3

Katunayake, Sri-Lanka 351 03 Växjö, Sweden

Toroid India Pvt Ltd Manufacture's representative

Technopark Campus within EEA: Toroid International AB

Trivandrum 695 581 Box 3

Kerala, India 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 61558-1, EN 60 950, EN 60 065 and IEC 601-1.

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 an

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: 2003-05-07

Thomas Svensson / Design engineer