

Customer: ELFA AB

56-138-23

Transf. No. AA-98043
Designed: 1999-04-14/ts

yellow green U = 18V 200 VA S1 Uo = 19,3V External fuse: 15A red 230V Ρ1 48-60Hz brown 200 VA U = 18V S2 Uo = 19,3V External fuse: 15A yellow blue

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 M8.

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

Dimensions: OD = 140 mm

H = 60 mm

Terminations: Prim: Multistranded Wire Style 3266. Awg 18 L = 200mm

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

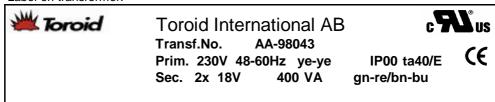
Label on the paper box.

Toroid Toroid International AB

Transf.No. AA-98043

ELFA P/N: 56-138-23

Label on transformer.





Declaration of Insulation Transformer No. AA-98043
Customer: ELFA AB
Customer Part No: 56-138-23

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: 120x70x35 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 18

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. 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.

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-98043**

Customer: ELFA AB 56-138-23

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 a

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