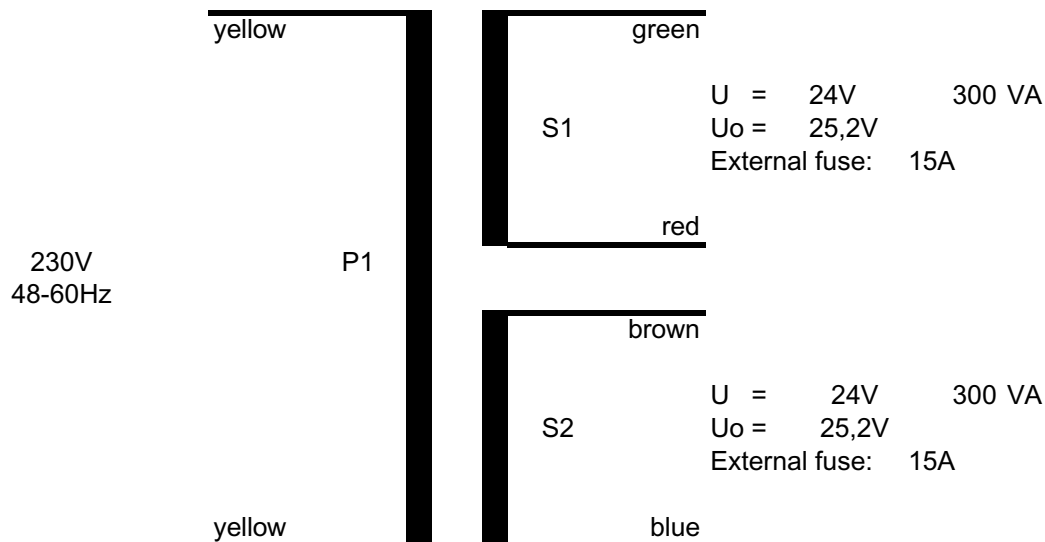




**Customer:** **ELFA AB**  
56-139-30

**Transf. No.** **AA-98048**  
**Designed:** **1999-04-16 / ts**



#### Classification

Protection against electrical shock:	Isolating Transformer
Protection index:	IP00
Protection against short-circuit and abnormal use:	Non-short-circuit proof
Time of operation:	Continuously
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 =	145	mm
H =	75	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.

	<b>Toroid International AB</b>
	<b>Transf.No. AA-98048</b>
	<b>ELFA P/N: 56-139-30</b>

Label on transformer.

	<b>Toroid International AB</b>	
	<b>Transf.No. AA-98048</b>	
	<b>Prim. 230V 48-60Hz ye-ye</b>	<b>IP00 ta40/E</b>
	<b>Sec. 2x 24V 600 VA</b>	<b>gn-re/bn-bu</b>



**Declaration of Insulation Transformer No.**                      **AA-98048**  
**Customer:**    **ELFA AB**  
**Customer Part No:**    **56-139-30**

***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:    125x70x50 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 AVL2, 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 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-extinguishing Polyurethane.

UL-Approved under Guide QMFZ2. Approved for 120°C. Flash point: Over 200°C.



## EC/EEA Declaration of conformity

*Type of equipment:*        **Isolating Transformer**

*Brand name:*                **Toroid**

*Part no:*                      **AA-98048**

*Customer:*                    **ELFA AB**                      **56-139-30**

<i>Manufactures:</i>	Toroid International (Pvt) Ltd PO Box 15, Phase 2, FTZ Katunayake, Sri-Lanka	Toroid International AB Box 3 351 03 Växjö, Sweden
	Toroid India Pvt Ltd Technopark Campus Trivandrum 695 581 Kerala, India	<i>Manufacture's representative within EEA:</i> Toroid International 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 61558-1, 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*