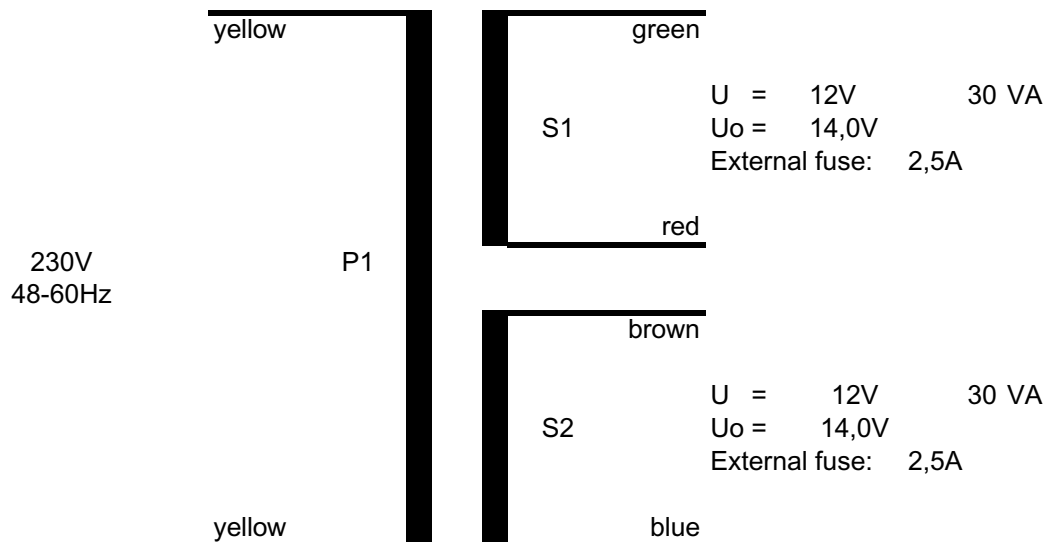




**Customer:** **ELFA AB**  
56-134-19

**Transf. No.** **AA-98029**  
**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:	Continuously
Intended use:	Incorporated
Ambient temperature / Material Classification:	Ta40/E

**Assembling:** Centre potted with a drilled centre hole with an insert nut type M5.  
A rubber pad is glued at the bottom of the transformer.

**Dimensions:**

OD =	79	mm
H =	39	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.

	<b>Toroid International AB</b>
	<b>Transf.No. AA-98029</b>
	<b>ELFA P/N: 56-134-19</b>

Label on transformer.

	<b>Toroid International AB</b>	
	<b>Transf.No. AA-98029</b>	
	<b>Prim. 230V 48-60Hz ye-ye</b>	<b>IP00 ta40/E</b>
	<b>Sec. 2x 12V 60 VA</b>	<b>gn-re/bn-bu</b>



**Declaration of Insulation Transformer No.** AA-98029  
**Customer:** ELFA AB  
**Customer Part No:** 56-134-19

*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: 70x40x25 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 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. 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-extinguishing 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-98029**

Customer: **ELFA AB** **56-134-19**

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  
 Technopark Campus  
 Trivandrum 695 581  
 Kerala, India

Manufacture's representative  
 within EEA: 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

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Thomas Svensson / Design engineer