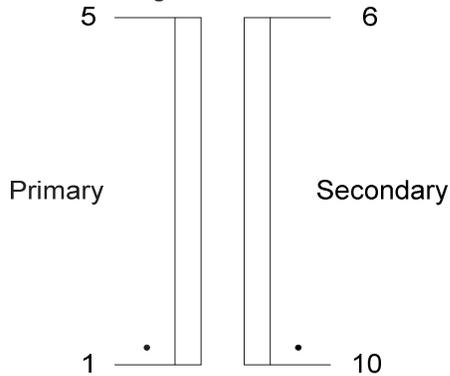
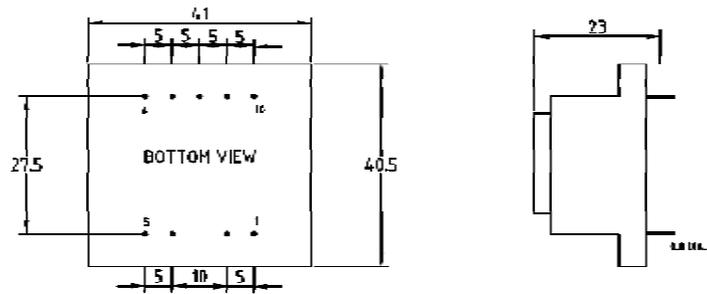


## Interface Transformer

electrical drawing



mechanical drawing

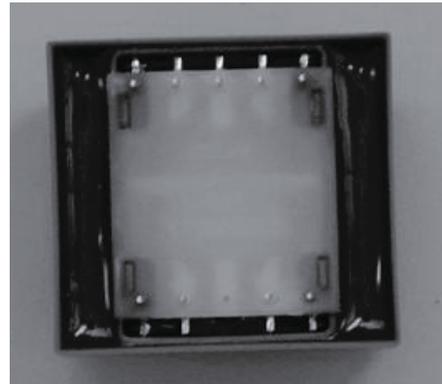


### Technical Data

Primary voltage (1, 5) [V]:	240.0
Secondary voltage (6, 10) [V]:	4.7
Voltage tolerance [%]:	-20 / +15
Secondary current [mA]:	< 1.0
Frequency [Hz]:	45 .. 65

Mechanical dimensions:	see mechanical drawing above
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Transformer Type:	EI 38/7.5
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HV type test:	3 kV / 60s @ 50Hz
HV routine test:	3 kV / 1 .. 6s @ 50Hz
Insulation:	Class B (130°C)
Cooling:	Natural convection
Ambient temperature:	40°C
Label:	containing GUTOR and Manufacturer item number on visible position

Flammability inner insulation (bobbin and potting compound):	UL 94 V0
Flammability outer insulation (cover):	UL 94 V2 or better

Standards:	IEC/UL/CSA 60950-1: Information technology equipment - Safety IEC 61558: Safety of power transformers IEC 60085: Thermal eval. and classification of electrical insulation (UL 1446: System of insulating materials) UL 758: Wiring materials EN 50116 Information technology equipment Routine electrical safety testing in production
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### Special requirements:

- The windings have to be varnish impregnated to fix the thin wire at the soldered pins before potting
- The potting compound also has to enter into the bobbin, especially at the soldered pins (see picture above)
- Short circuit proof (temperature rise limit 80K)
- Nominal conversion between primary and secondary 51.1 ±4%, in the area 3.6 - 5.4V
- Max. linearity faults ±0.5%, in the area 3.6 - 5.4V measured on the secondary side of the transformer.
- Temp. stability ±0.5%, in the area 0 - 50°C
- Phasedisplacement between primary and secondary may not exceed ±1 degree.

	Rev	Date	Sign
Drawn	01	15.04.2009	LOA
Revision	02	14.03.2014	YLE
Approved	02	14.03.2014	RST

**XFMR SAF ISOL -15% 216-251VAC+10% IEC/UL**

**GUTOR**

**430-0048B**

1/1