

## SVU – Voltage Transformer for Low Voltage, 1,9 x UN

Among other things decentralized generation (solar panels, wind turbines) is leading to an increasing number of unusual voltages, such as 690 V. To still use the standard meters (400 /230 V), ELEQ has developed a new line of voltage transformers for low voltage. The voltage transformers comply with the latest IEC 61869-3 directives and are equipped with a sealable cover. This makes them highly suitable for kWh measurement.

In addition, with a capacity of 4 VA or higher, the transformers can supply both the measuring voltage and the supply voltage for the meters. For the models up to 10 VA, the class applies between 0 and 100% of the power. This eliminates the need for load resistors.



### Technical Specifications

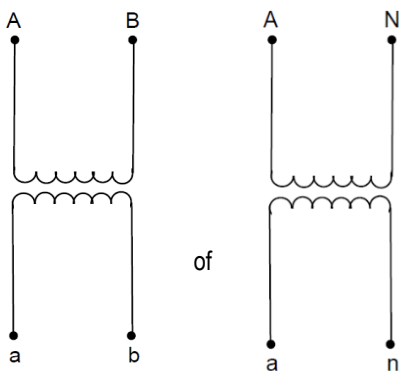
<b>Environmental conditions</b>	
This product is designed to be safe under the following conditions:	
Location:	Indoor use
Operating temperature:	-25°C .. +55°C
Storage and transport temperature:	-40°C .. +55°C
Relative humidity:	5% .. 95%, non condensing
Altitude:	Max. 1000 m above NN; at >1000 m data required
Protection degree :	IP20
<b>Specification</b>	
Standard:	IEC 61869-3
Rated voltage factor:	1,9 x UN
Rated insulation level:	0,72/3/- kV or 1,2/6/- kV
Frequency :	50 Hz
Class of insulation:	E
Rated primary voltage:	Max. 1000 V
Rated secondary voltage:	Max. 400 V
Rated output:	4, 8, 10, 20, 40, 50, 100 VA
Accuracy class:	0,2, 0,5, 1, 3
Secondary connection:	Max. 4 mm <sup>2</sup>
Weight:	5,5 kg

### Order specifications

Ratio	Ratio output	Accuracy class*	Article number
690/110 V	0-8 VA	0,2	4ST4163
690/400 V	0-8 VA	0,2	4ST4165
800/100 V	0-8 VA	0,2	4ST4182
800/400 V	0-8 VA	0,2	4ST4185
690 V-√3/110 V	0-8 VA	0,2	4ST4263
690 V-√3/400 V	0-8 VA	0,2	4ST4265
800 V-√3/100 V	0-8 VA	0,2	4ST4282
800 V-√3/400 V	0-8 VA	0,2	4ST4285

\*The class applies from 0-100% of the specified burden for burdens up to 10 VA and from 25-100% for burdens above 10 VA.

### Wiring Diagram



### Dimensions

