

## SVL series - voltage transformers - 90V...440V

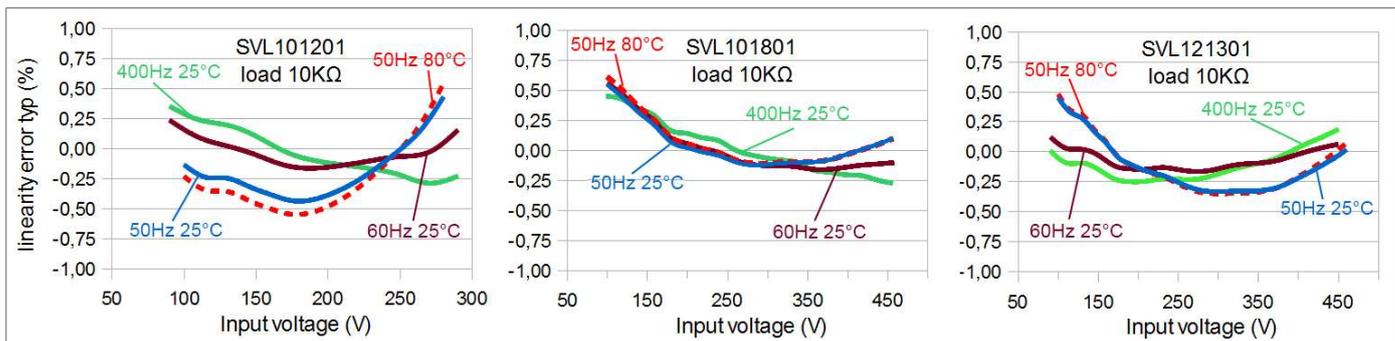
- High precision, 50...400Hz voltage measuring transformers
- Multi output voltage level
- Short circuit proof safety transformers, compliant to EN61558-1 and EN61558-2-6 up to the Max permissible input voltage<sup>4</sup>
- Max ambient temperature 85°C
- Epoxy encapsulated
- Marking on primary side
- Tin-plated phosphor bronze pins
- Pins size: Ø 0.9 mm typ , length 4mm min
- Only electrically used pins are mounted
- 100% tested
- Custom versions on request



ta85/B

Code	Input voltage			Linearity error <sup>1</sup>		Phase error <sup>2</sup>		Output voltage V1 - V2 - V3 - V4 @ V input nominal	Recommended Load	Pri/Sec Dielectric strength	.stp file Download
	Nominal	Permissible range	Precision range	Typical	Max	Typical	Max				
SVL101201 <sup>3</sup>	285V	0...313V	90...265V	<±0.40%	<±0.65%	<±1.00°	<±1.70°	3.0-5.6-8.7-11.8V	10KΩ	5.0KV	
SVL101801 <sup>4</sup>	400V	0...500V	180...440V	<±0.25%	<±0.50%	<±0.60°	<±1.00°	2.5-5.0-7.5-10V	10KΩ	5.0KV	
SVL121301	400V	0...500V	180...440V	<±0.25%	<±0.50%	<±0.75°	<±1.20°	2.5-5.0-7.5-10V	10KΩ	5.0KV	

Dimensions (mm)	SVL101201	SVL101801	SVL121301	Layout (bottom view)	Drawing
a max	32.6	33.1	41.5		
b max	28.0	28.6	35.5		
h max	24.3	29.7	27.5		
x typ	5.0	5.0	5.0		
y typ	20.0	20.0	25.0		



<sup>1</sup> Max errors at 50Hz (@25°C).

<sup>2</sup> For phase shift error compensation please contact our technical dept.

<sup>3</sup> SVL101201 is EN61558-2 and EN61558-6 compliant, with overvoltage category  $\text{IV}$ . CB certificate available. Output voltages are 2.5-5-7.5-10V when powered with 230Vac.

<sup>4</sup> Compliance of SVL101801 to EN61558-1 and EN61558-2-6 is limited to use with primary voltage up to 300V. It can be used above 300V when compliance to EN61558-1 and EN61558-2-6 is not required.