

### 2. Products

## 2.5 COMBINED SENSORS

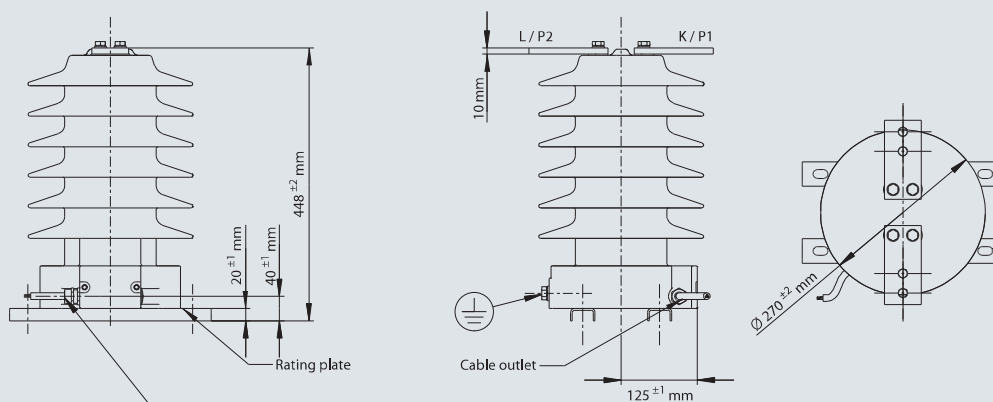
### 2.5.1 SMVS-K1114

This outdoor sensor combines functions of a voltage and a current sensor in one design. Due to the structural shape and use of cycloaliphatic epoxy resin, it is adapted for outdoor application. The combined sensor is available with an insulation level up to 36 kV.

By usage of proven Zelisko sensor-technology, specified accuracy class can be guaranteed for the complete lifetime without calibration on site.



## SMCS-K1114



for voltage output  
shielding outdoor cable, length:  $10 \pm 0,5$  m  
secondary connection terminals for current  
transformer located in terminal box

## Datasheet SMVS - K1114

	Voltage sensor	Current sensor
<b>Insulation level</b>	max. 36/70/170 kV	
<b>Rated frequency</b>	50 Hz / 60 Hz	
<b>Rated voltages / Rated current</b>	max. 30/ $\sqrt{3}$ kV	300 A (or on request)
<b>Voltage factor / Ith</b>	1,2 $U_N$ und 1,9 $U_N$ 8h	25 kA, 1 s
<b>Accuracy class</b>	0,5 / 1 / 3 & 3P, 6P	0,5 / 1 / 3 & P10, P20
<b>Rated secondary voltage</b>	3,25 / $\sqrt{3}$ V (or on request)	Ext. 200%
<b>Standard</b>	IEC 60044-7	IEC 60044-8
<b>External conditions</b>	Operation: -25°C to +55°C or -40°C to +40°C (or on request)	
	Storage: -40°C to +80°C	
<b>Rated burden</b>	200 k $\Omega$ $\pm$ 1%, 350 pF $\pm$ 10%	$\geq$ 20 k $\Omega$
<b>Connection cable &amp; interface</b>	2 x 2 pin shielded or 1 x 4 pin shielded	
<b>Overvoltage protection</b>	Internal surge protector	
<b>Construction heights</b>	24/50/125kV... 398mm	
	36/70/170kV... 448mm	