

### 2. Products

## 2.3 COMBINED SENSORS

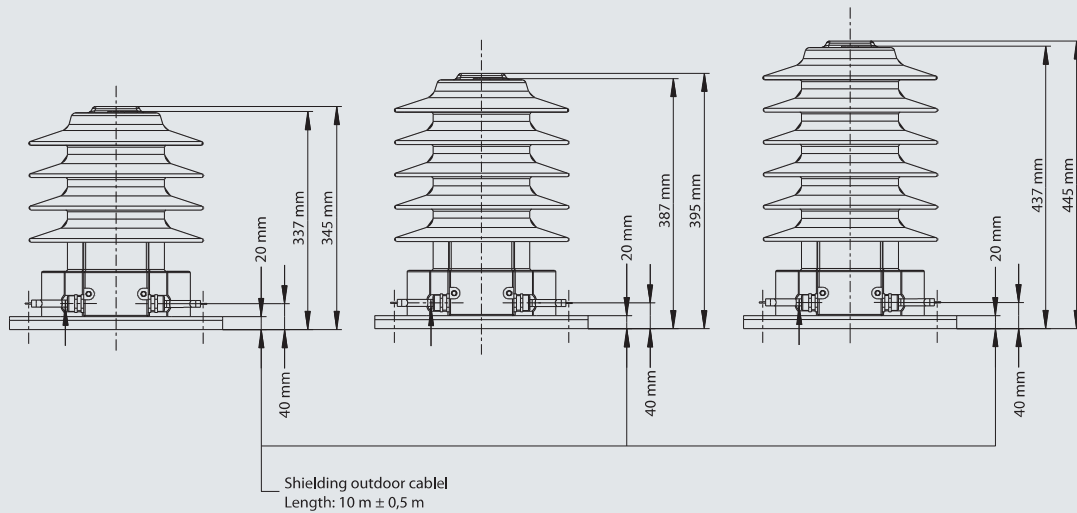
### 2.2.1 SMVS-K1112

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.



## SMVS-K1112



## Datasheet SMVS-K1112

	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/√3 kV	300 A *
<b>Voltage factor / lth</b>	1,2 U <sub>N</sub> und 1,9 U <sub>N</sub> 8h	25 kA, 1 s
<b>Accuracy class</b>	0,5 / 1 / 3 & 3P, 6P	0,2 / 0,5 / 1 / 3 & P10, P20
<b>Secondary</b>	3,25 / √3 V *	225 mV or 1 A
<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 *	
	Storage: -40°C to +80°C	
<b>Rated burden</b>	200 kΩ ±1%, 350 pF ±10%	≥20 kΩ
<b>Connection cable &amp; interface</b>	2 x 2 pin shielded or 1 x 4 pin shielded	
<b>Overtoltage protection</b>	Internal surge arrester 12/28/75kV... 345mm	
<b>Construction heights</b>	12/28/75kV... 345mm 24/50/125kV... 398mm 36/70/170kV... 448mm	

\* Alternatives on request