



CVS-24-I



The **CVS-24-I** is a 24 kV combined current and voltage low-power transformer for Indoor use. It is suitable for both measurement and protection applications where the new generation of meters are prescribed, compatible with instrument transformers. It has the main electrical and mechanical characteristics in the tables below.

\* marks parameters customizable upon request.

**Altea CVS-24-I voltage features**

Rated insulation level	24/50/125 kV	
Rated primary voltage *, $U_{pn}$	20/ $\sqrt{3}$ kV	
Maximum voltage, $U_m$	24 kV	
Rated secondary voltage, $U_{sn}$	1 V	
Rated voltage factor, $K_u$	1,9 for 8h	
Nominal transformation ratio *, $K_n$	20/ $\sqrt{3}$ kV / 1 V	
Accuracy class	For protection	3P
	For Measurement *	0.5

**Altea CVS-24-I current features**

Rated primary current *, $I_{pr}$	630 A	
Rated extended primary current factor, $K_{pcr}$	30	
Rated primary time constant for transient performance, $t_{pr}$	25 ms	
Rated short time withstand thermal current, $I_{th}$	16 kA / 3s	
Dynamic nominal current, $I_{dyn}$	31,5 kA	
Rated Continuous thermal Current, $I_{cth}$	1,2 $I_{pr}$	
Nominal transformation ratio *, $K_{ra}$	630 A / 0.2 V	
Accuracy class	For protection	5P30
	For measurement *	0.5

Auxiliary Supply voltage	$\pm 12 V_{dc}$
Max. supply current	15 mA
Creepage	350 mm
Nominal frequency	50 / 60 Hz
Primary terminal capacity	1 pF
Weight	3,5 kg
Bending strength $P_0$	2200 N
Applicable Standards	IEC 60044-7; 60044-8



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