



CVS-24-I-HA



The **CVS-24-I-HA** is a 24 kV current and voltage low-power transformer for Indoor use. It is suitable for high accuracy applications like PMUs for state estimation on smart grids. The tables below report its main electrical and mechanical characteristics.

* marks customizable parameters, available with different values upon request.

Altea CVS-24-I-HA voltage features

Rated insulation level	24/50/125 kV
Rated primary voltage, U_{pn} *	Up to $20/\sqrt{3}$ 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	0.2

Altea CVS-24-I-HA current transformer 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	0.2S

Auxiliary Supply voltage	$\pm 12 V_{dc}$
Max. Supply Current	15 mA
Creepage	350 mm
Nominal frequency	50 / 60 Hz
Primary terminal capacity	1,2 pF
Weight	3,5 kg
Bending strength P_0	2200 N
Applicable Standards	IEC 60044-7; 60044-8



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