



CVS-24-I-WB



The **CVS-24-I-WB** is a 24 kV current and voltage low-power transformer for Indoor use. It is suitable for metering and protection applications where transient phenomena affecting the power distribution network must be acquired or where harmonic pollution generated by switching devices must be measured. The tables below report its main electrical and mechanical characteristics.

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

Altea CVS-24-I-WB 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 *		10000 V / 1 V
Accuracy class	For protection *	3P
	For measurement *	0,5

Altea CVS-24-I-WB current features

Rated primary current, I_{pr} *		300 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} *		300 A / 0.2 V
Accuracy Class	For protection *	5P30
	For measurement *	0,5

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
Bandwidth (-3 dB)	30 Hz – 100 kHz for VS
	30 Hz – 10 kHz for CS
Accuracy on harmonics	According to IEC 60044-8



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