

SIRAX CT6xx Summation current transformer

Description

Summation current transformers are used to add secondary currents from several main inverters. They are designed to combine several synchronous alternating currents of equal phase relationship with each angle of the phase difference. It is thus possible to record the total consumption with just one measuring instrument.

Properties

- Summation of secondary currents to several main converters
- This allows access of the measurement for a measuring instrument
- At the output a standardized measuring signal is available
- Burst-resistant plastic housing made from polycarbonate
- Hardly inflammable and self-extinguishing according to UL94 V0
- Terminal protection, IP10
- Nickel plated terminals with plus/minus screws
- Various mounting options such as wall mounting or DIN rail



Technical specifications

	SIRAX CT600		SIRAX CT610	
Height / width / depth	112.5 x 75 x 70 mm		112.5 x 150 x 70 mm	
Primary current input	2...4 x 5A		5...8 x 5A	
Secondary current	5 A			
Class of accuracy	0.5	1	0.5	1
Test voltage	3 kV; 50 Hz; 1 min			
Nominal frequency	50 ... 60 Hz			
Rated insulation level U_m	0.72 kV			
Rated burden	5; 10; 15; 20; 25 VA			
Thermal short circuit current I_{th}	$60 \times I_N$			
Dynamic short circuit current I_{dyn}	$2.5 \times I_{th}$			
Insulation class	E (max. 120 °C)			
Instrument security factor FS	FS5; FS10			
Housing material	Polycarbonate			
Flammability class	UL94 V-0, self-extinguishing, non-dripping, halogen-free			
Connection	M4 screws with self lifting clamp strap			
Maximum conductor cross section	$\varnothing 2,5$ mm solid; $\varnothing 1,5$ mm flexibel			
Ambient temperature	-25 °C ... +40 °C			
Standard accepted	IEC 61869-1; IEC 61869-2; IEC 60044-1			

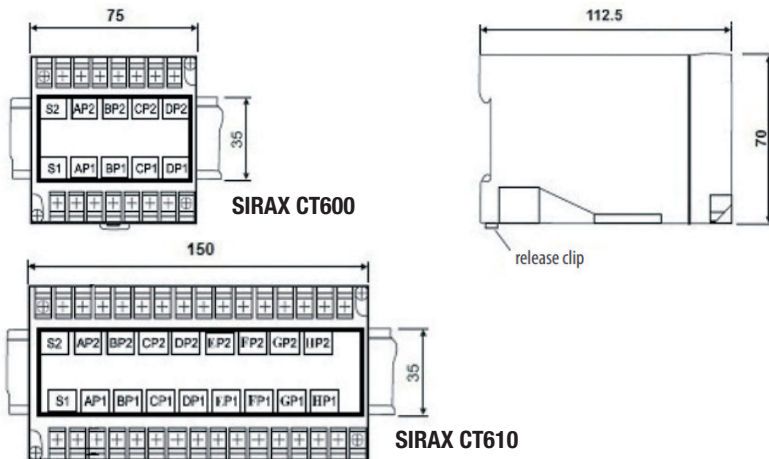
SIRAX CT6xx

Summation current transformer

Performance

Type of transformer	SIRAX CT600		SIRAX CT610	
Accuracy class	0.5	1	0.5	1
Secondary currents	5 A			
Primary currents	Rated power / Instrument security factor (FS)			
5+5 A	5 VA	5 VA	–	–
	10 VA	10 VA	–	–
	15 VA	15 VA	–	–
	–	20 VA	–	–
	–	25 VA	–	–
5+5+5 A	5 VA	5 VA	–	–
	10 VA	10 VA	–	–
	15 VA	15 VA	–	–
	–	20 VA	–	–
	–	25 VA	–	–
5+5+5+5 A	5 VA	5 VA	–	–
	10 VA	10 VA	–	–
	15 VA	15 VA	–	–
	–	20 VA	–	–
	–	25 VA	–	–
5+5+5+5+5 A	–	–	5 VA	5 VA
	–	–	10 VA	10 VA
	–	–	15 VA	15 VA
	–	–	–	20 VA
	–	–	–	25 VA
5+5+5+5+5+5 A	–	–	5 VA	5 VA
	–	–	10 VA	10 VA
	–	–	15 VA	15 VA
	–	–	–	20 VA
	–	–	–	25 VA
5+5+5+5+5+5+5 A	–	–	5 VA	5 VA
	–	–	10 VA	10 VA
	–	–	15 VA	15 VA
	–	–	–	20 VA
	–	–	–	25 VA
5+5+5+5+5+5+5+5 A	–	–	5 VA	5 VA
	–	–	10 VA	10 VA
	–	–	15 VA	15 VA
	–	–	–	20 VA
	–	–	–	25 VA

Dimensions



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