

## Current Transformers - PMSXXX-CTXX



## Current Transformers

Do you need a simple, fast, safe and easy way to connect a monitoring system to your power supply?

AKCP provide split core current transformers that can be installed without opening any cable or bus bar circuit. The connection of conventional Current Transformers (CTs) usually requires the interruption of the primary side circuit to pass cables or bus bars through the transformer core or to connect such cables to the primary terminals.

The AKCP transformers core can be easily opened and installed then connected without any supply interruption. This saves time and installation costs as well as being inherently safer to work with.

## Current Transformer Main Features

- Small size and easy mounting
- Wide inner window, allowing clamping of big cables or bus bars
- Wide range of sizes to accommodate all existing installations
- High accuracy and reliability
- Connects to the AKCP securityProbe5E base units

## Connect to AKCP securityProbe5E

The AKCP CT's connect to the securityProbe and securityProbe 5E units. When connected to the securityProbe the unit has its own interface that allows you to set parameters for monitoring and alerting on a variety of measurement factors.

If a pre-set parameter is reached the securityProbe can trigger an alert or complete an action, e.g. Email, SMS, MMS, Fax, Switch/Relay or even make a Telephone call.

These CT's connect to the 'CT' type AKCP Power Monitor Sensor which in turn then connects to the AKCP securityProbe unit.

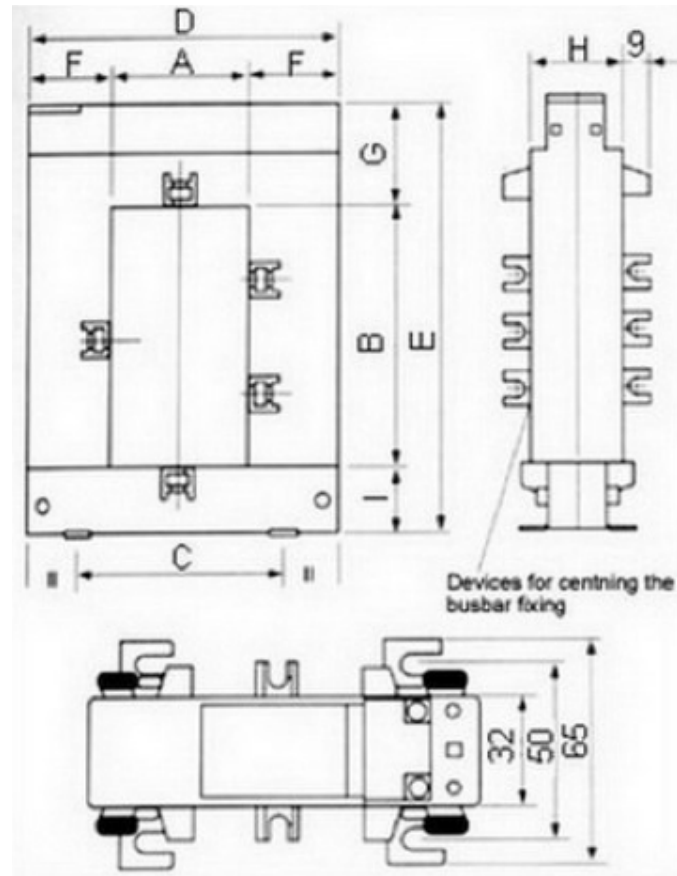


## Split Core Transformers

Primary Current	100A-5000A
Secondary Current	5A, 1A
Standard Approval	IEC44-1, BS7626
Maximum Voltage	0.72/3Kv
Frequency	50/60Hz
Rated Load	1VA-30VA
Class	0.5, 1.0, 3.0
Short-time Thermal Current	$I_{th}=100 \times I_n$
Rated Security Coefficient	FS<5

## Technical Specifications

Model	Nominal current ratio	Burden VA	
		Class: 0,5	Class: 1
		VA	VA
DP-23	100/5	–	–
	150/5	–	–
	200/5	–	1.5
	250/5	–	2
	300/5	1.5	3.75
	400/5	2.5	6
DP-58	250/5	1.5	2
	300/5	1.5	3
	400/5	1.5	3
	500/5	2.5	5
	600/5	2.5	5
	750/5	2.5	6
	800/5	2.5	7.5
	1000/5	5	10
DP-88	250/5	1.5	3.75
	300/5	1.5	6
	400/5	1.5	10
	500/5	2.5	15
	600/5	2.5	17.5
	750/5	2.5	18
	800/5	2.5	18
	1000/5	5	20
DP-812	500/5	2.5	12
	600/5	2.5	15
	750/5	2.5	17.5
	800/5	2.5	18
	1000/5	5	20
	1200/5	6	25
	1250/5	7.5	25
	1500/5	7.5	30
DP-816	1000/5	10	20
	1500/5	15	25
	2000/5	15	25
	2500/5	15	25
	3000/5	20	30
	4000/5	20	30
	5000/5	20	30



Model	A	B	C	D	E	F	G	H	I	Weight (kg)
DP-23	20	30	51	89	111	34	47	40	32	0.75
DP-58	50	80	78	114	145	32	32	32	33	0.90
DP-88	80	80	108	144	145	32	32	32	33	1.05
DP-812	80	120	108	144	185	32	32	32	33	1.25
DP-816	80	160	120	184	245	52	52	52	38	4.3