

DP Current Transformers

1. Split core current transformers DP series



The DP series of current transformers have been especially designed to facilitate their installation in new or already existing networks. They may be installed without opening any cable or bus bar circuit.

The connection of conventional 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 DP series transformers core may be easily opened and they may be installed and connected without any supply interruption, thus saving time and installation costs.

The main features of DP transformers are:

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

2. Split core current transformers DP series



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

3. Specification

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

Model	Nominal current ratio	Burden VA	
		Class:0.5	Class:1
		VA	VA
DP-23	100		
	150		
	200		1.5
	250		2
	300	1.5	3.75
	400	2.5	6
DP-58	250	1.5	2
	300	1.5	3
	400	1.5	3
	500	2.5	5
	600	2.5	5
	750	2.5	6
	800	2.5	7.5
	1000	5	10
DP-88	250	1.5	3.75
	300	1.5	6
	400	1.5	10
	500	2.5	15
	600	2.5	17.5
	750	2.5	18
	800	2.5	18
	1000	5	20
DP-812	500	2.5	12
	600	2.5	15
	750	2.5	17.5
	800	2.5	18
	1000	5	20
	1200	6	25
	1250	7.5	25
	1500	7.5	30
DP-816	1000	10	20
	1500	15	25
	2000	15	25
	2500	15	25
	3000	20	30
	4000	20	30
	5000	20	30

4. Outline Drawing

