since 1963

Summation CT

- Summation CTs are designed to summarize several synchronous A.C. currents of equal phase relation with any angle of phase difference, i.e. summarize the secondary currents of a number of main CTs. The summation CT consists of two or more primary windings which are connected to the feeders to be summated, and a single secondary winding, which feeds a current proportional to the summated primary current.

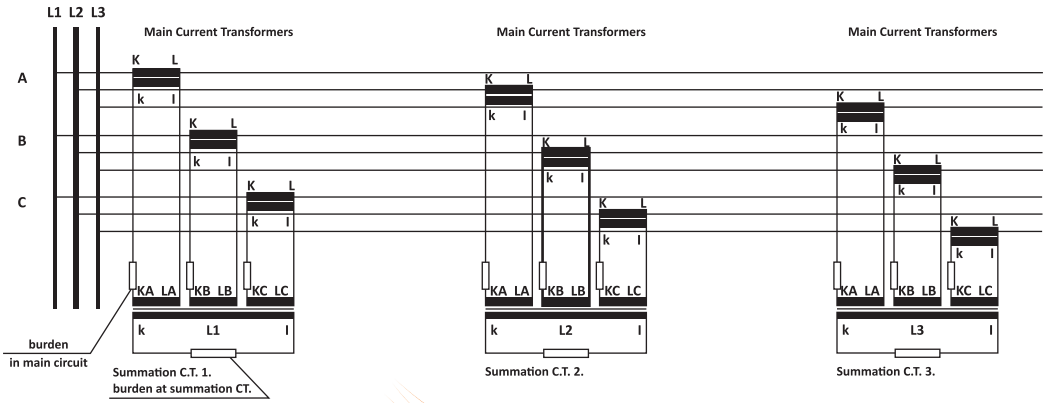
- When the currents in a number of feeders need not be individually metered but summated to a single meter or instrument, a summation current transformer can be used.

Technical Data:

• Class of accuracy	:	0.5 & 1
• Rated Burden	:	Max. 15 VA/0.5 class , 25 VA/1 class
• Rated Primary current Inputs	:	(2.....8) x 5 A
• Rated Secondary Current	:	5 A
• Highest system Voltage	:	720 V
• Rated Frequency	:	50/60 Hz
• Security Factor	:	FS5 & FS10
• Working Temp. Range	:	-20 °C....+45°C
• Insulation Class	:	E
• High Voltage Test	:	3KVeff, 1 min
• Terminal Protection	:	IP10

- **Applicable Standard** : IEC 61869 – 1 & 2

Scheme of Summation CTs :



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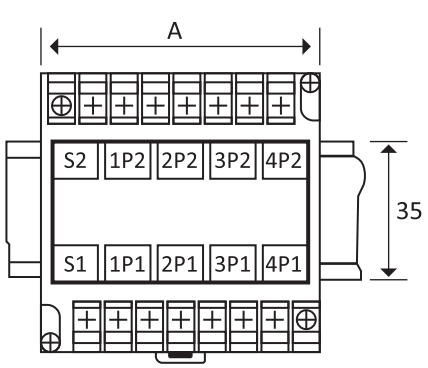

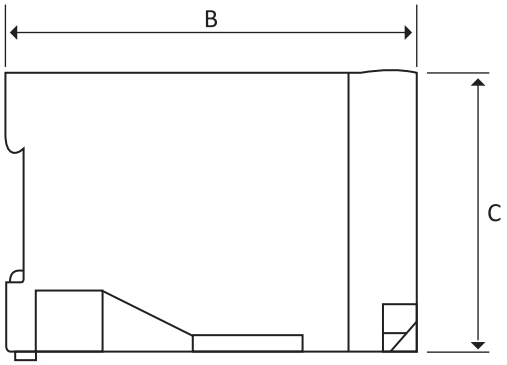

CAT No.	Dimensions in mm		
	A	B	C
EWPS62	62	111	71
EWPS100	100	114	71

CAT No.	Primary Current	Class 1	Class 0.5
		VA	
EWPS62	5+5	25	15
	5+5+5	25	15
	5+5+5+5	25	15
EWPS100	5+5+5+5+5	25	15
	5+5+5+5+5+5	25	15
	5+5+5+5+5+5+5	25	15
	5+5+5+5+5+5+5+5	25	15

* Lower VA can be offered on request.

Note:

- In case of absence of current in one of the main CT, the corresponding circuit must not be short-circuited, neither at the summation CT nor at the main CT. If one circuit of a summation CT is unused because the corresponding main CT is to be connected at a later stage, the relevant section of the summation CT has to be used on open circuit.

- The rated secondary current of the main CT and the rated primary current of the corresponding circuit of the summation CT must be equal.

- **The ratio of the nominal primary current of a main transformer to the sum of the nominal primary currents of all the main transformers may not exceed the ratio 1:8**