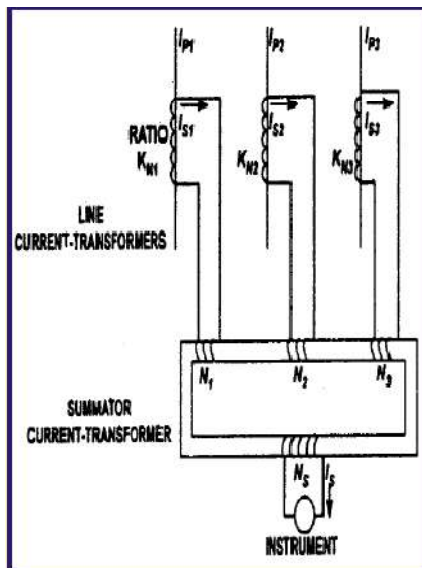


## SUMMATION CURRENT TRANSFORMERS

The currents in different feeders can be summated, when it is not necessary to meter the current flowing in each individual feeder.

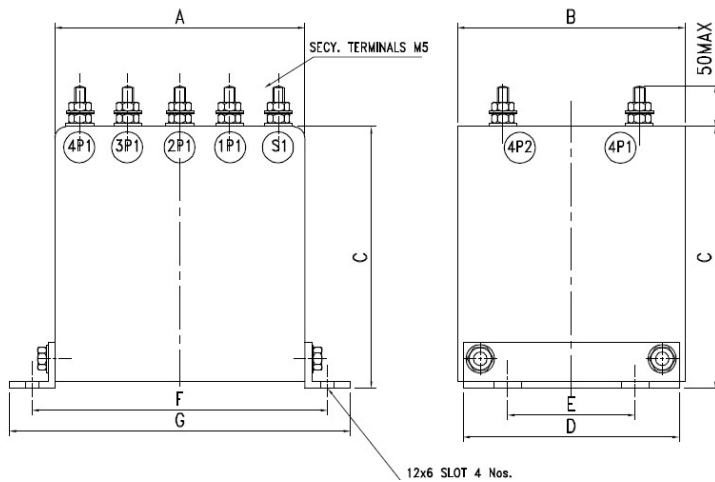


- Currents in several feeders can be summated to a single secondary, which is then connected to a meter.
- Note that the voltage of the feeders being summated has to be the same in magnitude and phase.
- Summation CTs are always low voltage as they are connected to the secondaries of the CTs in various feeders
- They are always of wound primary construction, and can be offered in tape insulated or cast resin construction
- Kappa summation CTs are manufactured to IS: 6949, and can usually summate upto 6 feeders in a single CT, and are offered in either tape insulated or cast resin type.
- A typical spec for a summation CT reads thus: 5+5+5/5A, 15VA/class 0.5

# Kappa

Current Technology

- **Specs required for design and manufacture:**
  - No: of feeders to be summated
  - Currents in the feeders
  - Secondary current required
  - VA burden and accuracy required



SIZE	A	B	C	D	E	F	G	TYPE
KRW05	100	80	100	90	70	132	145	3IP-10-1
KRW06	110	100	115	120	100	142	155	4IP-10-1