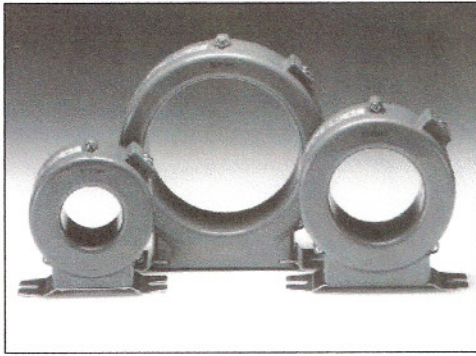


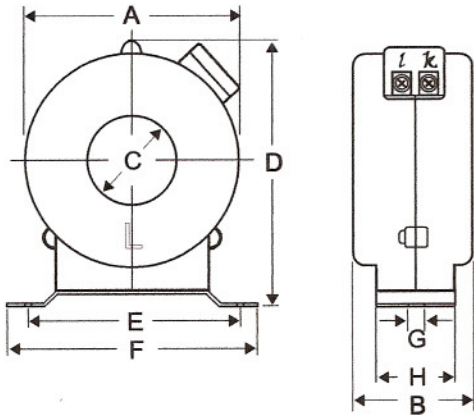
# FCT RANGE



MODEL	PRIMARY CURRENT A	SECONDARY CURRENT A	RATED BURDEN VA	THROUGH TURNS	HOLE DIAMETER mm
FCT29	5,10	5	3	10	29
FCT29	15	5	3	4	29
FCT29	20	5	3	5	29
FCT29	25,30,40	5	3	2	29
FCT29	50,60,75,80,100,120	5	3	1	29
FCT29	150,200,250,300	5	3	1	29
FCT39	400,500	5	5	1	39
FCT61	600,800	5	10	1	61
FCT85	1000	5	10	1	85
FCT105	1200,1500,2000,2500	5	10	1	105

FCT29	10,20	1	3	5	29
FCT29	25	1	3	4	29
FCT29	30,40	1	3	2	29
FCT29	50,60,80,100,150	1	3	1	29
FCT61	200,300,400	1	5	1	61

## DIMENSIONS

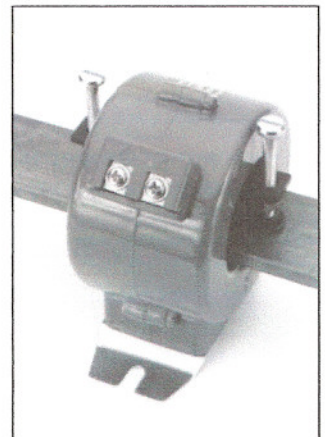


MODEL	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm
FCT29	74	55	29	93	84	98	6	42
FCT39	81	55	39	105	84	98	6	42
FCT61	103	55	61	129	105	120	6	42
FCT85	122	55	85	144	125	141	6	42
FCT105	141	55	105	160	133	156	10	50

## OPTIONS

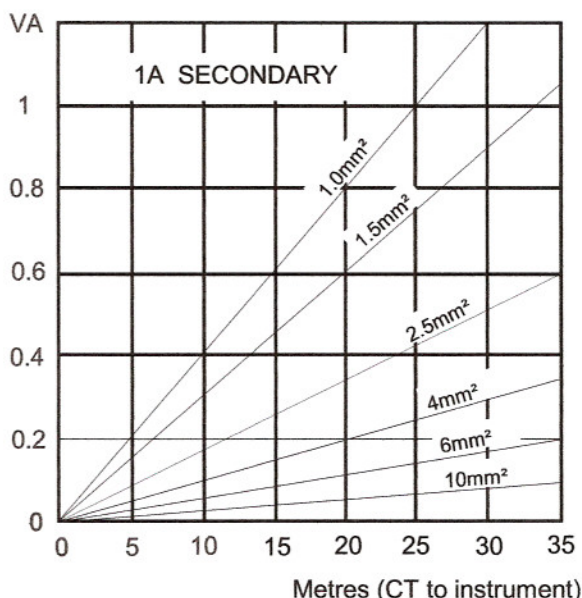
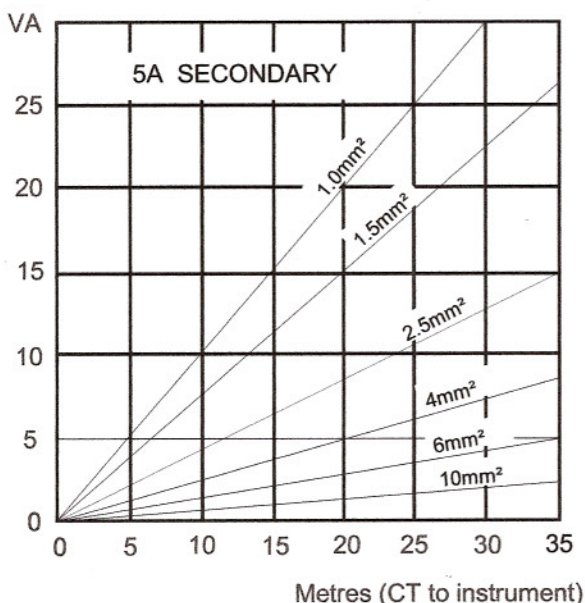
A busbar mount clamp kit (part no. BBCK) is available which enables standard ring type FCT current transformers to be safely clamped to a busbar.

Also available for the FCT series of current transformers is a terminal cover (part no. FCTC) to insulate the secondary terminals.



# SECONDARY LEAD BURDENS

When selecting a current transformer, it is important to consider the power absorbed by the cables connecting the CT secondary terminals and the measuring instrument. The Overall burden of the cable and measuring equipment should not exceed the available VA of the CT. Where the current transformer is to be mounted remotely a 1A secondary is recommended. Where there is a very large distance between the instrument and current transformer the use of a current transducer to convert the AC current into a DC signal is recommended.



## NOTES

1. It is essential with certain instrumentation that the CT is physically orientated correctly on the conductor. K must face the supply and L must face the load. It is also important to ensure that secondary connections are made in accordance with instrument connection diagrams.
2. The secondary terminals of the CT must NOT make open circuit on load as dangerously high voltages may occur under these conditions. It is recommended that one side of the secondary winding is earthed.

## ORDERING INFORMATION

**MODEL**  
eg: FCT29

**RATIO**  
100 / 5A

**OPTIONS**  
BBCK Busbar clamp kit

FCT29  
or  
MFO30  
FCT29 or MFO40  
FCT39 or MFO40  
FCT39 or MFO60  
FCT61 or MFO60  
FCT85 or MFO100  
FCT105 or  
MFO100

5,10,15,20,25  
30,40,50,60,75  
80,100,120,150  
200,250,300  
400  
500  
600,800  
1000  
1200,1500  
2000,2500

1A  
(upto 400/1A in  
FCT series only)

5A

BBCK Busbar Clamp kit (FCT only)  
FCTC Terminal cover (FCT only)