

Current transformers

TP

Split-core current transformer
Description

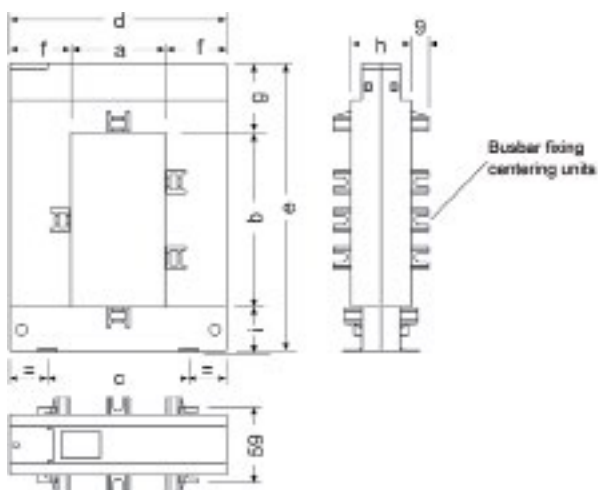
- The most important features of these transformers are that they are "disassemblable". In other words, the whole installation does not have to be disassembled.
- Types: from 100 to 5000 A
- Busbar dimensions: from 20 x 30 mm to 80 x 160 mm
- Transformer certificate sheet is attached

Application

Converting a high nominal current to a lower current so that it can be measured by the unit. They have a split core and can be installed with no need to interrupt the installation's power supply.


Features

Frequency	50 / 60 Hz
Isolation voltage	3 kV ac
Thermal short-circuit current, I_{th}	$60 I_n$
Dynamic current, I_{dyn}	$2.5 I_{th}$
Highest current in the material	0.72 kV ac
Thermal class	B (120 °C)
Working temperature	-5 ... 40 °C
Transformer ratio	Depending on the type (.../5 or .../1 A)
Type of encapsulation	Self-extinguishing VO plastic (UL 94VO)
Secondary sealable terminals	Yes
Standards	
IEC 44-1, UNE 21 088-1, UL 94, VDE 0414	

Dimensions


dimensions (mm)	TP-23	TP-58	TP-88	TP-812	TP-816
a	20	50	80	80	80
b	30	80	80	120	160
c	51	78	108	108	120
d	89	114	144	144	184
e	110	145	145	185	245
f	34	32	32	32	52
g	47	32	32	32	47
h	40	32	32	32	52
i	32	32	32	32	38

Note: All types have fixing centering units, except for TP-23

Current transformers

TP series

Split-core current transformer



References

Type	TP -23				TP -58				TP -88				
Busbar (mm)	20 x 30 mm				50 x 80 mm				80 x 80 mm				
Dimensions (mm)													
	a	110			145			145					
	b	89			114			144					
	c	58			50			50					
A	V-A	Class			Code	Class			Code	Class			Code
		0,5	1	3		0,5	1	3		0,5	1	3	
	100/5	-	-	1,5	[*] M70111								
	150/5	-	-	2	[*] M70112								
	200/5	-	1,5	2,5	[*] M70113								
	250/5	-	2	4	[*] M70114	1	2	4	[*] M70121	1	2	4	[*] M70131
	300/5	1,5	4	6	[*] M70115	1,5	3	6	[*] M70122	1,5	3	6	[*] M70132
	400/5	2,5	6	10	[*] M70116	1,5	3	10	[*] M70123	1,5	3	10	[*] M70133
	500/5					2,5	5	15	[*] M70124	2,5	5	15	[*] M70134
	600/5					2,5	5	17,5	[*] M70125	2,5	5	17,5	[*] M70135
	700/5					2,5	-	-	[c] M7012C				
	750/5					3	6	18	[*] M70126	3	6	18	[*] M70136
	800/5					3	7	18	[*] M70127	3	7	18	[*] M70137
	1 000/5					5	10	20	[*] M70128	5	10	20	[*] M70138

Type	TP -812				TP -816				
Busbar (mm)	80 x 120 mm				80 x 160 mm				
Dimensions (mm)									
	a	185			245				
	b	144			184				
	c	50			70				
A	V-A	Class			Code	Class			Code
		0,5	1	3		0,5	1	3	
	500/5	-	4	12	[*] M70141				
	600/5	-	5	14	[*] M70142				
	750/5	2,5	6	17	[*] M70143				
	800/5	3	7	18	[*] M70144				
	1 000/5	5	9	20	[*] M70145	10	15	20	[*] M70151
	1 200/5	6	11	24	[*] M70146				
	1 250/5	7	15	28	[*] M70147	8	-	-	[c] M7015A
	1 500/5	8	17	30	[*] M70148	15	20	25	[*] M70152
	1 600/5	8	-	-	[c] M70149	8	-	-	[c] M7015B
	2 000/5					15	20	25	[*] M70153
	2 500/5					15	20	25	[*] M70154
	3 000/5					20	25	30	[*] M70155
	4 000/5					20	25	30	[*] M70156
	5 000/5					20	25	30	[*] M70157