

Current transformers

TCH

Top-performance current transformer

Description

- Narrow-profile
- Types: from 100 to 4000 A
- Internal diameter: from 26 to 63 mm, depending on the type
- Busbar dimensions: from 30 x 10 mm to 30 x 100 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.

In installations where the electrical supply can be interrupted to install transformers and a high accuracy is required.

Features

Frequency	50 / 60 Hz
Isolation voltage	3 kVac
Thermal short-circuit current, I_{th}	$60 I_n$
Dynamic current, I_{dyn}	$2.5 I_{th}$
Highest current in the material	0.72 kVac
Thermal class	B 130 °C
Working temperature	-5 ... 40 °C
Type of encapsulation	VO self-extinguishing plastic
Safety factor	FS 5/10
Secondary sealable terminals	Yes


References

Type	TCH 6.2				TCH 6				
Busbar (mm)	30 x 10				40 x 10				
Dimensions (mm)									
	a	81			81				
	b	64			64				
	c	44			44				
V·A	Class			Code	Class			Code	
	0.2S	0,2	0.5S		0.2S	0,2	0.5S		
A	100/5	1	1,5	2,5	[2] M70441				
	150/5	2,5	3,5	3,5	[2] M70443	1	1,25	1,5	[2] M70431
	200/5	3,5	5	5	[2] M70444	1,25	1,5	2	[2] M70432
	250/5	5	5	5	[2] M70445	1,5	1,75	2,25	[2] M70433
	300/5	5	5	5	[2] M70446	1,75	2	2,5	[2] M70434
	400/5	7,5	7,5	7,5	[2] M70447	1	5	5	[2] M70435
	500/5					5	7,5	7,5	[2] M70436
	600/5					5	7,5	7,5	[2] M70437
	750/5					7,5	10	10	[2] M70438
	800/5					7,5	10	10	[2] M70439

Current transformers

TCH series

Top-performance current transformer



References

Type	TCH 8	TCH 10	TCH 12									
Busbar (mm)	60 x 12	50 x 50 60 x 30 80 x 30	3 x 100 x 10									
Dimensions (mm)												
	102 84,5 50	130 108 50	150 129 50									
V-A	Class			Code	Class			Code	Class			Code
	0.2S	0,2	0.5S		0.2S	0,2	0.5S		0.2S	0,2	0.5S	
A												
600/5	5	10	10	[2] M70463								
750/5	7,5	10	10	[2] M70464								
800/5	7,5	10	10	[2] M70465								
1 000/5	10	15	15	[2] M70466	7,5	10	10	[2] M70473				
1 200/5	10	15	15	[2] M70467	10	10	10	[2] M70474	10	15	15	[2] M70483
1 250/5	10	15	15	[2] M7046A	10	10	10	[2] M7047C	10	15	15	[2] M7048C
1 500/5	10	15	15	[2] M70468	10	10	15	[2] M70475	10	15	15	[2] M70483
1 600/5	10	15	15	[2] M70469	10	10	15	[2] M70476	10	15	15	[2] M70484
2 000/5					10	10	15	[2] M70477	10	15	15	[2] M70485
2 500/5					10	10	15	[2] M70478	15	20	20	[2] M70486
3 000/5					10	10	15	[2] M70479	20	25	25	[2] M70487
4 000/5									25	30	30	[2] M70488

Dimensions

dimensions (mm)	TC 5 TCH 5	TC 5.2 TCH 5.2	TC 6.2 TCH 6.2	TC 6 TCH 6	TC 8 TCH 8	TC 10 TCH 10
a	58	58	64	64	84,5	108
b	70	70	80,5	80,5	102	130
c	29	29	34	34	46	61
d	20,3	22	26	28,5	44	63
e	45	45	60,5	66,5	69	---
f	32	32	44	44	50	50
g	59	59	71	71,2	78	78
h	5,6	5,6	5,6	5,6	6,6	6,6
i	48	48	60	60	64	64
j	39	39	46	46	62	86
k	25,6	30,6	20,6	40,6	60,6	80,6
l	15,6	15,6	30,6	25,2	30,6	50,8

TCH 12 series