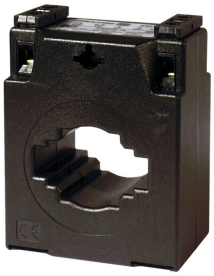

TC6 800/5A

TC6 800/5A, Current transformers narrow section

Code: M70339. **CONSULTAR DISPONIBILIDAD**

> Flat strip(mm): 30 x 15 |20 x 10 |40 x 10
> System: Single-phase
> Class 0,5 Power (VA): 10
> Class 1 Power (VA): 15
> Class 3 Power (VA): 20
> Measurement Range (A): 800/5
> Input current: 800 A
> Transformer type: Closed core

Description

- Type: bar entrance
- Types: from 40 to 4000 A
- Internal diameter: from 20.3 to 63 mm, depending on the type
- Busbar dimensions: from 25 x 5 mm to 30 x 100 mm
- Individual certificate available on request
- DIN rail fixing accessory (Types **TC5** and **TC6**)
- Secondary coding types .../5 A (on demand .../1 A. **TC4** not available)

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.

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TC6 800/5A

Current transformers narrow section

Code: M70339.

Specifications

Electrical characteristics

Safety factor (SF)	FS 5
Power	15 VA (Class 1)

Mechanical characteristics

Size (mm) width x height x depth	64 x 87.5 x 71.2 (mm)
Envelope	Plastic wrap V0 self-extinguishing, UL 94
Fastening	DIN rail with accessory
Weight (kg)	0,314

Environmental characteristics

Thermal Class	Class B (+130 °C)
Protection class	IP 20
Relative humidity (without condensation)	15 ... 95 %

Specific technical characteristics of current sensors

Inner diameter Ø (mm)	28,5
Operating voltage	0,72 kV~ max.

Current measurement circuit

Nominal frequency	50 / 60 Hz
Primary current measurement	800 A
Dynamic current (Idyn)	2,5 Ith
Thermal short-circuit current (Ith)	60 In
Transformation ratio	... / 5 A

Standards

Standards	IEC 61869-1, IEC 61869-2, BS2627

TC
Current transformers narrow section

CODE	TYPE	Measurement Range (A)	Flat strip(mm)	Class 0,5 Power (VA)	Class 1 Power (VA)	Class 3 Power (VA)
TC4						
M703D5.	TC4 50/5A	50/5	30 x 10 |20 x 10 |25 x 5	-	-	1
M703D6.	TC4 60/5A	60/5	30 x 10 |20 x 10 |25 x 5	-	-	1,25
M703D7.	TC4 75/5A	75/5	30 x 10 |20 x 10 |25 x 5	-	-	1,25

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TC6 800/5A

Current transformers narrow section

Code: M70339.

CODE	TYPE	Measurement Range (A)	Flat strip(mm)	Class 0,5 Power (VA)	Class 1 Power (VA)	Class 3 Power (VA)
M703D8.	TC4 100/5A	100/5	30 x 10 |20 x 10 |25 x 5	-	2	3
M703D9.	TC4 125/5A	125/5	30 x 10 |20 x 10 |25 x 5	-	2,5	3,75
M703DA.	TC4 150/5A	150/5	30 x 10 |20 x 10 |25 x 5	1,5	2,5	4
M703DB.	TC4 200/5A	200/5	30 x 10 |20 x 10 |25 x 5	2,5	5	6
TC5						
M70311.	TC5 40/5A	40/5	20 x 10 |25 x 5 |15 x 5	-	-	1,5
M70312.	TC5 50/5A	50/5	20 x 10 |25 x 5 |15 x 5	-		2,5
M70313.	TC5 60/5A	60/5	20 x 10 |25 x 5 |15 x 5	-	1,25	3,5
M70314.	TC5 75/5A	75/5	20 x 10 |25 x 5 |15 x 5	-	2	3,5
M70315.	TC5 100/5A	100/5	20 x 10 |25 x 5 |15 x 5	1,5	2,5	3,75
M70316.	TC5 125/5A	125/5	20 x 10 |25 x 5 |15 x 5	1,75	3,5	5
M70317.	TC5 150/5A	150/5	20 x 10 |25 x 5 |15 x 5	2,5	3,5	5
M70318.	TC5 200/5A	200/5	20 x 10 |25 x 5 |15 x 5	3,75	5	5
M70319.	TC5 250/5A	250/5	20 x 10 |25 x 5 |15 x 5	5	7,5	7,5
TC5.2						
M70321.	TC5.2 100/5A	100/5	20 x 12 |25 x 10 |30 x 10	-	1	1,5
M70322.	TC5.2 125/5A	125/5	20 x 12 |25 x 10 |30 x 10	-	1,5	2
M70323.	TC5.2 150/5A	150/5	20 x 12 |25 x 10 |30 x 10	1	2	2,5
M70324.	TC5.2 200/5A	200/5	20 x 12 |25 x 10 |30 x 10	2,5	3	3,5
M70325.	TC5.2 250/5A	250/5	20 x 12 |25 x 10 |30 x 10	3,5	3,75	5
M70326.	TC5.2 300/5A	300/5	20 x 12 |25 x 10 |30 x 10	3,5	3,75	5
M70327.	TC5.2 400/5A	400/5	20 x 12 |25 x 10 |30 x 10	3,5	5	7,5
M70328.	TC5.2 500/5A	500/5	20 x 12 |25 x 10 |30 x 10	5	7,5	10
M70329.	TC5.2 600/5A	600/5	20 x 12 |25 x 10 |30 x 10	5	7.5	10
TC6.2						
M70341.	TC6.2 100/5A	100/5	20 x 20 |25 x 12 |30 x 10	1.75	3.75	7.5
M70342.	TC6.2 125/5A	125/5	20 x 20 |25 x 12 |30 x 10	3,75	7,5	10
M70343.	TC6.2 150/5A	150/5	20 x 20 |25 x 12 |30 x 10	5	7.5	10
M70344.	TC6.2 200/5A	200/5	20 x 20 |25 x 12 |30 x 10	7.5	10	10
M70345.	TC6.2 250/5A	250/5	20 x 20 |25 x 12 |30 x 10	7,5	10	15
M70346.	TC6.2 300/5A	300/5	20 x 20 |25 x 12 |30 x 10	10	10	15
M70347.	TC6.2 400/5A	400/5	20 x 20 |25 x 12 |30 x 10	10	10	15
M70348.	TC6.2 500/5A	500/5	20 x 20 |25 x 12 |30 x 10	15	15	20
M70349.	TC6.2 600/5A	600/5	20 x 20 |25 x 12 |30 x 10	15	20	25
TC6						
M70331.	TC6 150/5A	150/5	30 x 15 |20 x 10 |40 x 10	1	3,5	5
M70332.	TC6 200/5A	200/5	30 x 15 |20 x 10 |40 x 10	3,5	5	7,5
M70333.	TC6 250/5A	250/5	30 x 15 |20 x 10 |40 x 10	5	7,5	10

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TC6 800/5A

Current transformers narrow section

Code: M70339.

CODE	TYPE	Measurement Range (A)	Flat strip(mm)	Class 0,5 Power (VA)	Class 1 Power (VA)	Class 3 Power (VA)
M70334.	TC6 300/5A	300/5	30 x 15 |20 x 10 |40 x 10	5	7,5	10
M70335.	TC6 400/5A	400/5	30 x 15 |20 x 10 |40 x 10	5	7,5	10
M70336.	TC6 500/5A	500/5	30 x 15 |20 x 10 |40 x 10	7,5	10	15
M70337.	TC6 600/5A	600/5	30 x 15 |20 x 10 |40 x 10	7,5	10	15
M70338.	TC6 750/5A	750/5	30 x 15 |20 x 10 |40 x 10	10	15	20
M70339.	TC6 800/5A	800/5	30 x 15 |20 x 10 |40 x 10	10	15	20
TC8.3						
M703B1.	TC8.3 250/5A	250/5	20 x 25 |30 x 20 |40 x 10	10	15	20
M703B2.	TC8.3 200/5A	200/5	20 x 25 |30 x 20 |40 x 10	10	15	25
M703B3.	TC8.3 300/5A	300/5	20 x 25 |30 x 20 |40 x 10	15	20	25
M703B4.	TC8.3 400/5	400/5	20 x 25 |30 x 20 |40 x 10	15	20	25
M703B5.	TC8.3 500/5	500/5	20 x 25 |30 x 20 |40 x 10	15	20	25
M703B6.	TC8.3 600/5	600/5	20 x 25 |30 x 20 |40 x 10	15	20	25
M703B7.	TC8.3 750/5	750/5	20 x 25 |30 x 20 |40 x 10	20	25	30
M703B8.	TC8.3 800/5	800/5	20 x 25 |30 x 20 |40 x 10	25	30	35
M703B9.	TC8.3 1000/5	1000/5	20 x 25 |30 x 20 |40 x 10	25	30	35
TC8						
M7036C.	TC8 200/5A	200/5	50 x 30 |60 x 12	1	2,5	5
M7036B.	TC8 300/5A	300/5	50 x 30 |60 x 12	2.5	5	7.5
M70361.	TC8 400/5A	400/5	50 x 30 |60 x 12	5	7,5	10
M70362.	TC8 500/5A	500/5	50 x 30 |60 x 12	7,5	10	15
M70363.	TC8 600/5A	600/5	50 x 30 |60 x 12	10	15	20
M70364.	TC8 750/5A	750/5	50 x 30 |60 x 12	15	20	25
M70365.	TC8 800/5A	800/5	50 x 30 |60 x 12	15	20	30
M70366.	TC8 1000/5A	1000/5	50 x 30 |60 x 12	15	20	30
M70367.	TC8 1200/5A	1200/5	50 x 30 |60 x 12	15	20	30
M70368.	TC8 1500/5A	1500/5	50 x 30 |60 x 12	15	20	30
M70369.	TC8 1600/5A	1600/5	50 x 30 |60 x 12	15	20	30
M7036A.	TC8 1250/5A	1250/5	50 x 30 |60 x 12	15	20	30
TC10						
M7037F.	TC10 200/5	200/5	50 x 50 |60 x 30 |80 x 30	1	2,5	5
M7037D.	TC10 300/5A	300/5	50 x 50 |60 x 30 |80 x 30	2,5	5	7,5
M7037G.	TC10 400/5	400/5	50 x 50 |60 x 30 |80 x 30	2,5	5	7,5
M7037B.	TC10 500/5A	500/5	50 x 50 |60 x 30 |80 x 30	5	7,5	10
M7037C.	TC10 600/5A	600/5	50 x 50 |60 x 30 |80 x 30	7,5	10	15
M7037H.	TC10 750/5	750/5	50 x 50 |60 x 30 |80 x 30	7,5	10	15
M70372.	TC10 800/5A	800/5	50 x 50 |60 x 30 |80 x 30	7,5	10	15
M70373.	TC10 1000/5A	1000/5	50 x 50 |60 x 30 |80 x 30	10	15	20

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TC6 800/5A

Current transformers narrow section

Code: M70339.

CODE	TYPE	Measurement Range (A)	Flat strip(mm)	Class 0,5 Power (VA)	Class 1 Power (VA)	Class 3 Power (VA)
M70374.	TC10 1200/5A	1200/5	50 x 50 |60 x 30 |80 x 30	10	15	20
M7037E.	TC10 1250/5A	1250/5	50 x 50 |60 x 30 |80 x 30	10	15	20
M70375.	TC10 1500/5A	1500/5	50 x 50 |60 x 30 |80 x 30	15	20	25
M70376.	TC10 1600/5A	1600/5	50 x 50 |60 x 30 |80 x 30	15	20	25
M70377.	TC10 2000/5A	2000/5	50 x 50 |60 x 30 |80 x 30	15	20	25
M70378.	TC10 2500/5A	2500/5	50 x 50 |60 x 30 |80 x 30	15	20	30
M70379.	TC10 3000/5A	3000/5	50 x 50 |60 x 30 |80 x 30	15	20	30
TC12						
M7038B.	TC12 800/5A	800/5	100 x 50	10	15	20
M70381.	TC12 1000/5A	1000/5	100 x 50	10	15	20
M70382.	TC12 1200/5A	1200/5	100 x 50	10	15	20
M7038D.	TC12 1250/5A	1250/5	100 x 50	10	15	20
M70383.	TC12 1500/5A	1500/5	100 x 50	15	20	30
M70384.	TC12 1600/5A	1600/5	100 x 50	15	20	30
M70385.	TC12 2000/5A	2000/5	100 x 50	15	20	30
M70386.	TC12 2500/5A	2500/5	100 x 50	20	30	40
M70387.	TC12 3000/5A	3000/5	100 x 50	30	40	60
M7038C.	TC12 3200/5A	3200/5	100 x 50	30	40	60
M70388.	TC12 4000/5A	4000/5	100 x 50	35	40	60

For other configurations see table of additional features

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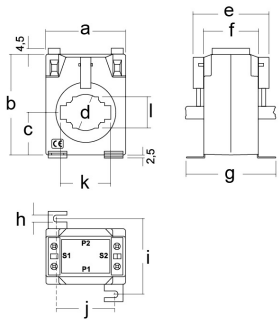
TC6 800/5A

Current transformers narrow section

Code: M70339.

Dimensions



	TC 5 TCH 5	TC 5.2 TCH 5.2	TC 6.2 TCH6.2	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	30,6	40,6	60,6	80,6
l	15,6	15,6	20,6	25,2	30,6	50,8

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