





# Measuring transformers and shunts

**Table: Current transformers and shunts selection**

		TC	TCH	TA	TP	STP	MC	TM 45	TRMC	TRM	SH
<b>AC Measurement</b>	For measuring instruments	•	•	•	•	•	•	•	-	•	•
	For billing meters	-	-	-	-	-	-	-	•	-	-
	Wound primary	-	-	T	-	-	-	•	T	-	-
	Passing bar	•	•	T	•	-	•	-	T	•	-
	Split-core	-	-	-	•	•	-	-	-	-	-
	Minimum range (A)	40	50	5	50	100	50	1	100	75	-
	Maximum range (A)	4000	4000	5000	6000	300	2000	50	2000	5000	-
	High accuracy	-	•	-	-	-	-	-	-	-	-
	Three-phase	-	-	-	-	-	T	-	T	-	-
<b>DC measurement</b>	Minimum range (A)	-	-	-	-	-	-	-	-	-	1
	Maximum range (A)	-	-	-	-	-	-	-	-	-	20000
<b>Other parameters</b>	Secondary output	.../5	.../5	.../5	.../5	.../1	...250 mA	.../5	.../5	.../5	.../60 mV
	in resin	OP	OP	-	-	-	-	-	•	•	-
	Sealable	OP	OP	OP	•	-	-	-	•	-	-
	UL Certificate	-	T	T	-	-	-	-	-	-	-
	Individual certificate	OP	OP	OP	OP	-	-	-	OP	OP	-





T - Depending on the type  
OP - Optional





**TC, Current transformers narrow section**

Type	TC4	TC5	TC5.2
	 width x height x depth (mm) 50 x 77 x 56	 width x height x depth (mm) 58 x 77 x 59	 width x height x depth (mm) 58 x 77 x 59
Flat strip(mm)	30 x 10 20 x 10 25 x 5	20 x 10 25 x 5 15 x 5	20 x 12 25 x 10 30 x 10
A/V-A	Class 0.5 1 3 Code	Class 0.5 1 3 Code	Class 0.5 1 3 Code
40/5	- - - 1,5 [*] M70311.	- - - 1,5 [*] M70311.	- - - 1,5 [*] M70311.
50/5	- - 1 [*] M703D5.	- - 3 [*] M70312.	- - 3 [*] M70312.
60/5	- - 1,25 [*] M703D6.	- 1,25 3,5 [*] M70313.	- 1,25 3,5 [*] M70313.
75/5	- - 1,25 [*] M703D7.	- 2 3,5 [*] M70314.	- 2 3,5 [*] M70314.
100/5	- 2 3 [*] M703D8.	1,5 2,5 3,75 [*] M70315.	- 1 1,5 [*] M70321.
125/5	- 2,5 3,75 [*] M703D9.	1,75 3,5 5 [*] M70316.	- 1,5 2 [*] M70322.
150/5	1,5 2,5 4 [*] M703DA.	2,5 3,5 5 [*] M70317.	1 2 2,5 [*] M70323.
200/5	2,5 5 6 [*] M703DB.	3,75 5 5 [*] M70318.	2,5 3 3,5 [*] M70324.
250/5		5 7,5 7,5 [*] M70319.	3,5 3,75 5 [*] M70325.
300/5			3,5 3,75 5 [*] M70326.
400/5			3,5 5 7,5 [*] M70327.
500/5			5 7,5 10 [*] M70328.
600/5			5 7,5 10 [*] M70329.





For other parameter coding, see table at the end of this section



Type	TC6.2	TC6	TC8.3									
	 width x height x depth (mm) 64 x 87.5 x 71	 width x height x depth (mm) 64 x 87.5 x 71.2	 width x height x depth (mm) 84.5 x 109 x 78									
Flat strip(mm)	20 x 20 25 x 12 30 x 10	30 x 15 20 x 10 40 x 10	20 x 25 30 x 20 40 x 10									
A/V-A	Class											
	0.5	1	3	Code								
100/5	1,75	3,75	7,5	[*] M70341.								
125/5	3,75	7,5	10	[*] M70342.								
150/5	5	7,5	10	[*] M70343.	1	3,5	5	[*] M70331.				
200/5	7,5	10	10	[*] M70344.	3,5	5	7,5	[*] M70332.	10	15	25	[*] M703B2.
250/5	7,5	10	15	[*] M70345.	5	7,5	10	[*] M70333.	10	15	20	[*] M703B1.
300/5	10	10	15	[*] M70346.	5	7,5	10	[*] M70334.	15	20	25	[*] M703B3.
400/5	10	10	15	[*] M70347.	5	7,5	10	[*] M70335.	15	20	25	[*] M703B4.
500/5	15	15	20	[*] M70348.	7,5	10	15	[*] M70336.	15	20	25	[*] M703B5.
600/5	15	20	25	[*] M70349.	7,5	10	15	[*] M70337.	15	20	25	[*] M703B6.
750/5					10	15	20	[*] M70338.	20	25	30	[*] M703B7.
800/5					10	15	20	[*] M70339.	25	30	35	[*] M703B8.
1000/5									25	30	35	[*] M703B9.

Type	TC8	TC10	TC12									
	 width x height x depth (mm) 84.5 x 109 x 78	 width x height x depth (mm) 108 x 137 x 78	 width x height x depth (mm) 129 x 155 x 78									
Flat strip(mm)	50 x 30 60 x 12	50 x 50 60 x 30 80 x 30	3 x 100 x 10									
A/V-A	Class											
	0.5	1	3	Code								
200/5	1	2,5	5	[*] M7036C.	1	2,5	5	[*] M7037F.				
300/5	2,5	5	7,5	[*] M7036B.	2,5	5	7,5	[*] M7037D.				
400/5	5	7,5	10	[*] M70361.	2,5	5	7,5	[*] M7037G.				
500/5	7,5	10	15	[*] M70362.	5	7,5	10	[*] M7037B.				
600/5	10	15	20	[*] M70363.	7,5	10	15	[*] M7037C.				
750/5	15	20	25	[*] M70364.	7,5	10	15	[*] M7037H.				
800/5	15	20	30	[*] M70365.	7,5	10	15	[*] M70372.	10	15	20	[*] M7038B.
1000/5	15	20	30	[*] M70366.	10	15	20	[*] M70373.	10	15	20	[*] M70381.
1200/5	15	20	30	[*] M70367.	10	15	20	[*] M70374.	10	15	20	[*] M70382.
1250/5	15	20	30	[*] M7036A.	10	15	20	[*] M7037E.	10	15	20	[*] M7038D.
1500/5	15	20	30	[*] M70368.	15	20	25	[*] M70375.	15	20	30	[*] M70383.
1600/5	15	20	30	[*] M70369.	15	20	25	[*] M70376.	15	20	30	[*] M70384.
2000/5					15	20	25	[*] M70377.	15	20	30	[*] M70385.
2500/5					15	20	30	[*] M70378.	20	30	40	[*] M70386.
3000/5					15	20	30	[*] M70379.	30	40	60	[*] M70387.
3200/5									30	40	60	[*] M7038C.
4000/5									35	40	60	[*] M70388.





## TCH, Current transformers narrow section and high accuracy




Type	TCH6.2	TCH6	TCH8
	 width x height x depth (mm) 74 x 87.15 x 71.12	 width x height x depth (mm) 64 x 87.5 x 71.2	 width x height x depth (mm) 84.1 x 114 x 83
Flat strip(mm)	30 x 10	40 x 10	60 x 12
A/V-A	Class 0.2 0.2S 0.5S Code	Class 0.2 0.2S 0.5S Code	Class 0.2 0.2S 0.5S Code
50/5	0,5 - - [*] M7044B.		
60/5	0,5 - - [*] M7044C.		
100/5	1,5 1 2,5 [*] M70441.		
125/5	1,5 1 2,5 [*] M70442.		
150/5	3,5 2,5 3,5 [*] M70443.	1,25 1 1,5 [*] M70431.	
200/5	5 3,5 5 [*] M70444.	1,5 1,25 2 [*] M70432.	
250/5	5 5 5 [*] M70445.	1,75 1,5 2,25 [*] M70433.	
300/5	5 5 5 [*] M70446.	2 1,75 2,5 [*] M70434.	
400/5	7,5 7,5 7,5 [*] M70447.	5 1 5 [*] M70435.	
500/5		7,5 5 7,5 [*] M70436.	
600/5		7,5 5 7,5 [*] M70437.	10 5 10 [*] M70463.
750/5		10 7,5 10 [*] M70438.	10 7,5 10 [*] M70464.
800/5		10 7,5 10 [*] M70439.	10 7,5 10 [*] M70465.
1000/5			15 10 15 [*] M70466.
1200/5			15 10 15 [*] M70467.
1250/5			15 10 15 [*] M7046A.
1500/5			15 10 15 [*] M70468.
1600/5			15 10 15 [*] M70469.
Type	TCH10	TCH12	
	 width x height x depth (mm) 108 x 137 x 78	 width x height x depth (mm) 129 x 155 x 78	
Flat strip(mm)	50 x 50 60 x 30 80 x 30	3 x 100 x 10	
A/V-A	Class 0.2 0.2S 0.5S Code	Class 0.2 0.2S 0.5S Code	
800/5	10 7,5 10 [*] M70472.		
1000/5	10 7,5 10 [*] M70473.		
1200/5	10 10 10 [*] M70474.	15 10 15 [*] M70482.	
1250/5	10 10 10 [*] M7047C.	15 10 15 [*] M7048C.	
1500/5	10 10 15 [*] M70475.	15 10 15 [*] M70483.	
1600/5	10 10 15 [*] M70476.	15 10 15 [*] M70484.	
2000/5	10 10 15 [*] M70477.	15 10 15 [*] M70485.	
2500/5	10 10 15 [*] M70478.	20 15 20 [*] M70486.	
3000/5	10 10 15 [*] M70479.	25 20 25 [*] M70487.	
3200/5		25 20 25 [*] M7048B.	
4000/5		30 25 30 [*] M70488.	

For other parameter coding, see table at the end of this section - Other primary ratios consult



## TP, Current transformers, split core

Type	TP-23	TP-58	TP-88
	 width x height x depth (mm) 110 x 89 x 58	 width x height x depth (mm) 145 x 114 x 50	 width x height x depth (mm) 145 x 144 x 50
Flat strip(mm)	20 x 30	50 x 80	80 x 80
A/V-A	Class 0.5 1 3 Code	Class 0.5 1 3 Code	Class 0.5 1 3 Code
50/5	- - 1,5 [*] M7011A.		
75/5	- - 1,5 [*] M70117.		
100/5	- - 1,5 [*] M70111.	- - 2 [*] M7012D.	
125/5	- - 1,5 [*] M70118.		
150/5	- - 2 [*] M70112.	- - 3 [*] M7012A.	
200/5	- 1,5 2,5 [*] M70113.	- - 3 [*] M7012B.	
250/5	- 2 4 [*] M70114.	- 2 4 [*] M70121.	- 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 - - [3] M7012C.	
750/5		3 6 18 [*] M70126.	3 6 18 [*] M70136.
800/5		3 7 18 [*] M70127.	3 7 18 [*] M70137.
1000/5		5 10 20 [*] M70128.	5 10 20 [*] M70138.

Type	TP-812	TP-816
	 width x height x depth (mm) 185 x 144 x 50	 width x height x depth (mm) 245 x 184 x 70
Flat strip(mm)	80 x 120	80 x 160
A/V-A	Class 0.5 1 3 Code	Class 0.5 1 3 Code
500/5	- 4 12 [*] M70141.	3 - - [3] M7015F.
600/5	- 5 14 [*] M70142.	3 - - [3] M7015H.
750/5	2,5 6 17 [*] M70143.	5 - - [3] M70158.
800/5	3 7 18 [*] M70144.	
1000/5	5 9 20 [*] M70145.	10 15 20 [*] M70151.
1200/5	6 11 24 [*] M70146.	
1250/5	7 15 28 [*] M70147.	8 - - [3] M7015A.
1500/5	8 17 30 [*] M70148.	15 20 25 [*] M70152.
1600/5	8 17 30 [*] M70149.	8 - - [3] M7015B.
2000/5		15 20 25 [*] M70153.
2500/5	10 17 25 [*] M7014A.	15 20 25 [*] M70154.
3000/5		20 25 30 [*] M70155.
3200/5		20 - - [3] M7015C.
4000/5		20 25 30 [*] M70156.
5000/5		20 25 30 [*] M70157.
6000/5		20 - - [3] M7015E.


## TET, TP outdoor protection

Type	Code	Description
TET 114	[*] M79972.	TP-58 outdoor protector
TET 144	[*] M79973.	TP-88/TP-812 outdoor protector

For other parameter coding, see table at the end of this section - Other primary ratios consult

Delivery time: [\*] immediate  
[x] working weeks  
[c] consult

## STP, Current transformers, split core

Type	STP-24								
	Size (mm) width x height x depth 55x66x24								
Flat strip(mm)	24 mm								
Secondary	5A			1A			250mA		
A/V-A	Class	VA	Code	Class	VA	Code	Class	VA	Code
100	3	1	[C] M73323.	3	1	[C] M733230010000	3	0,1	[C] M7332300G0000
150	3	1	[C] M73325.	3	1	[C] M733250010000	3	0,1	[C] M7332500G0000
200	3	1	[C] M73326.	3	0,5	[C] M733260010000	3	0,1	[C] M7332600G0000
250	3	1	[C] M73327.	1	1	[C] M733270010000	1	0,1	[C] M7332700G0000
300	3	1	[C] M73328.	1	1	[C] M733280010000	1	0,1	[C] M7332800G0000



## MC1, Triple scale single-phase efficient transformers

Type	Code	Measurement Range (A)	A Max.	Class 0,5 Power (VA)	System	Usefull diam.(mm)
MC1-15-75	[*] M73112.	75	75	0,25	Single-phase	15
MC1-20-50/100/150 A	[*] M73118.	50/100/150	150	0,25	Single-phase	20
MC1-35-50/100/150 A	[*] M73116.	50/100/150	150	0,25	Single-phase	35
MC1-20-150/200/250 A	[*] M73113.	150/200/250	250	0,25	Single-phase	20
MC1-30-250/400/500 A	[*] M73114.	250/400/500	500	0,25	Single-phase	30
MC1-55-500/1000/1500 A	[*] M73115.	500/1000/1500	1500	0,25	Single-phase	55
MC1-80 1000/1500/2000 A	[*] M73117.	1000/1500/2000	2000	0,25	Single-phase	80



## MC3, Three-phase current transformers


Type	Code	A Max.	Class 0,5 Power (VA)	System	Usefull diam.(mm)
MC3 - 63 A	[*] M73121.	63	0,1	Three-phase	7,1
MC3 - 125 A	[*] M73122.	125	0,1	Three-phase	14,6
MC3 - 250 A	[*] M73123.	250	0,1	Three-phase	26



## SC3, Split three-phase current transformers

Type	Code	A Max.	Class 0,5 Power (VA)	System	Usefull diam.(mm)
SC3-125	[*] M73602.	125	0,1	Three-phase	15


## TM45, Current transformers, winding primary, DIN rail

Type					
	Winding primary				
Flat strip(mm)	Winding primary				
A/V-A	Class				Code
	0.5	1	3		
1/5	2,5	5	7	[C] M70609.	
5/5	2,5	5	7	[*] M70601.	
10/5	2,5	5	7	[*] M70602.	
15/5	2,5	5	7	[*] M70603.	
20/5	2,5	5	7	[*] M70604.	
25/5	2,5	5	7	[*] M70605.	
30/5	2,5	5	7	[*] M70606.	
40/5	2,5	5	7	[*] M70607.	
50/5	2,5	5	7	[*] M70608.	







TC-420 / TP-420 / TCM / TCB, Current transformers with 4 ... 20 mA transducer check section Digital instruments and transducers


**TA 210, Current transformers, winding primary**

Type				
				
Flat strip(mm)	Winding primary			
A/V-A	Class			Code
	0.5	1	3	
5/5	15	20	30	[*] M70541.
10/5	15	20	30	[*] M70542.
15/5	15	20	30	[*] M70543.
20/5	15	20	30	[*] M70544.
25/5	15	20	30	[*] M70545.
30/5	15	20	30	[*] M70546.
40/5	15	20	30	[*] M70547.
50/5	15	20	30	[*] M70548.
60/5	15	20	30	[*] M70549.
75/5	15	20	30	[*] M7054A.
80/5	15	20	30	[1] M7054K.
100/5	15	20	30	[*] M7054B.
125/5	15	20	30	[*] M7054C.
150/5	15	20	30	[*] M7054D.
200/5	15	20	30	[*] M7054E.
250/5	15	20	30	[*] M7054F.
300/5	15	20	30	[*] M7054G.
400/5	15	20	30	[*] M7054H.


**TA, Current transformers**

Type	TA400				TA500				TA600			
												
	width x height x depth (mm) 95 x 165 x 59				width x height x depth (mm) 115 x 185 x 63				width x height x depth (mm) 124 x 192 x 62			
Flat strip(mm)	100 x 20				100 x 30				125 x 60			
A/V-A	Class			Code	Class			Code	Class			Code
	0.5	1	3		0.5	1	3		0.5	1	3	
300/5	5	10	15	[3] M7059A.								
400/5	5	10	15	[3] M70591.								
500/5	15	20	30	[3] M70592.								
600/5	15	20	30	[3] M70593.								
750/5	15	20	30	[*] M70594.								
800/5	15	20	30	[*] M70595.					15	15	-	[3] M705BB.
1000/5	15	20	30	[*] M70596.	15	20	30	[3] M705A2.	15	20	30	[*] M705B1.
1200/5	15	20	30	[*] M70597.	15	20	30	[3] M705A3.	15	20	30	[3] M705B2.
1500/5	15	30	40	[*] M70598.	15	30	40	[*] M705A4.	15	20	30	[*] M705B3.
2000/5	20	40	50	[*] M70599.	20	40	50	[*] M705A6.	15	20	30	[*] M705B5.
2500/5	20	40	50	[C] M7059B.	20	40	50	[*] M705A7.	20	30	40	[*] M705B6.
3000/5					20	45	60	[*] M705A8.	30	40	60	[*] M705B7.
3200/5									30	40	60	[3] M705BA.
4000/5					35	50	70	[*] M705A9.	30	50	70	[*] M705B8.
5000/5									40	60	80	[*] M705B9.

**kit3-TRMC210, Sets of 3 current transformers for energy meters class 0,5S**

Type	kit3-TRMC210			kit3-TRMC210-05			kit3-TRMC210.2		
	Size (mm) width x height x depth 145x110x86								
A/V-A	Class	VA	Code	Class	VA	Code	Class	VA	Code
100/5	0.5S	10	[3] Q309010100000	0.5	10	[3] Q309610100000	0.5S	2,5	[3] Q309810100000
150/5	0.5S	10	[3] Q309020100000	0.5	10	[3] Q309620100000	0.5S	2,5	[3] Q309820100000
200/5	0.5S	10	[3] Q309030100000	0.5	10	[3] Q309630100000	0.5S	2,5	[3] Q309830100000
300/5	0.5S	10	[3] Q309040100000	0.5	10	[3] Q309640100000	0.5S	2,5	[3] Q309840100000
400/5	0.5S	10	[3] Q309050100000	0.5	10	[3] Q309650100000	0.5S	2,5	[3] Q309850100000
500/5	0.5S	10	[3] Q309060100000	0.5	10	[3] Q309660100000	0.5S	2,5	[3] Q309860100000
600/5	0.5S	10	[3] Q309070100000	0.5	10	[3] Q309670100000	0.5S	2,5	[3] Q309870100000

**kit3-TRMC400, Sets of 3 current transformers for energy meters**


Type	kit3-TRMC400			kit3-TRMC400-05			kit3-TRMC400.2		
	Size (mm) width x height x depth 99x160x68								
Flat strip(mm)	100x20 mm								
A/V-A	Class	VA	Code	Class	VA	Code	Class	VA	Code
750/5	0.5S	10	[3] Q309110100000	0.5	10	[3] Q309710100000	0.5	2,5	[3] Q309A10100000
1000/5	0.5S	10	[3] Q309120100000	0.5	10	[3] Q309720100000	0.5	2,5	[3] Q309A20100000
1500/5	0.5S	10	[3] Q309130100000	0.5	10	[3] Q309730100000	0.5	2,5	[3] Q309A30100000
2000/5	0.5S	10	[3] Q309140100000	0.5	10	[3] Q309740100000	0.5	2,5	[3] Q309A40100000
3000/5							0.5	2,5	[3] Q309A60100000


**TRMCx3, Current transformers for energy meters**


Type	Code	Measurement Range (A)	Class 0,5S Power (VA)	Usefull diam.(mm)	Cable (m)
<b>Indoor</b>					
TRMC-x3 100/5	[*] Q301T1.	100/5	2,5	38	1.5
TRMC-x3 200/5	[*] Q301T2.	200/5	2,5	38	1.5
TRMC-x3 300/5	[*] Q301T3.	300/5	2,5	38	1.5
TRMC-x3 400/5	[*] Q301T4.	400/5	2,5	38	1.5
<b>Outdoor</b>					
TRMC-X3 100/5 Ext	[C] Q301T1010E000	100/5	2,5	38	7
TRMC-X3 200/5 Ext	[C] Q301T2010E000	200/5	2,5	38	7
TRMC-X3 300/5-ext	[C] Q301T3010E000	400/5	2,5	38	7
TRMC-X3 400/5 Ext	[C] Q301T4010E000	300/5	2,5	38	7



**TRM, Measuring transformers encapsulated in resin**




Type	TRM30			TRM40			TRM60		
	Size (mm) width x height x depth 110x147x50			Size (mm) width x height x depth 135x168x38			Size (mm) width x height x depth 135x178x36		
Flat strip(mm)	30 mm			40 mm			60 mm		
A/V-A	Class	VA	Code	Class	VA	Code	Class	VA	Code
75/5	1	2	[4] P50101.						
100/5	1	5	[4] P50102.						
150/5	1	5	[4] P50103.	0.5	5	[4] P50111.			
200/5	0.5	10	[4] P50104.	0.5	7,5	[4] P50112.			
250/5	0.5	15	[4] P50105.	0.5	10	[4] P50113.	0.5	5	[4] P50121.
300/5	0.5	20	[4] P50106.	0.5	15	[4] P50114.	0.5	7,5	[4] P50122.
400/5	0.5	25	[4] P50107.	0.5	20	[4] P50115.	0.5	10	[4] P50123.
500/5				0.5	25	[4] P50116.	0.5	15	[4] P50124.
600/5				0.5	30	[4] P50117.	0.5	20	[4] P50125.
800/5				0.5	35	[4] P50118.	0.5	25	[4] P50126.
1000/5							0.5	30	[4] P50127.
1200/5							0.5	35	[4] P50128.

Type	TRM80			TRM100		
	Size (mm) width x height x depth 135x178x36			Size (mm) width x height x depth 175x228x38		
Flat strip(mm)	80 mm			100 mm		
A/V-A	Class	VA	Code	Class	VA	Code
500/5	0.5	5	[4] P50131.			
600/5	0.5	7,5	[4] P50132.			
750/5	0.5	10	[4] P50133.	0.5	15	[4] P50141.
1000/5	0.5	15	[4] P50134.	0.5	20	[4] P50142.
1500/5	0.5	20	[4] P50135.	0.5	20	[4] P50144.
2000/5	0.5	25	[4] P50136.	0.5	20	[4] P50145.
2500/5	0.5	30	[4] P50137.	0.5	20	[4] P50146.
3000/5				0.5	25	[4] P50147.

Type	TRM140			TRM180		
	Size (mm) width x height x depth 223x269x40			Size (mm) width x height x depth 223x306x40		
Flat strip(mm)	140 mm			180 mm		
A/V-A	Class	VA	Code	Class	VA	Code
1000/5	0.5	15	[4] P50151.			
1250/5	0.5	20	[4] P50152.	0.5	15	[4] P50161.
1500/5	0.5	25	[4] P50153.	0.5	20	[4] P50162.
2000/5	0.5	30	[4] P50154.	0.5	20	[4] P50163.
2500/5	0.5	35	[4] P50155.	0.5	20	[4] P50164.
3000/5	0.5	35	[4] P50156.	0.5	20	[4] P50165.
4000/5	0.5	35	[4] P50157.	0.5	20	[4] P50166.
5000/5				0.5	20	[4] P50167.



## SH, Shunts for direct current measurement

Type	SHP		SHB		SH	
						
Accuracy	1		0.5			
Relation	Type	Code	Type	Code	Type	Code
1A/60mV			SHB 1A/60mV	[3] M71221.		
1.5A/60mV			SHB 1.5A/60mV	[3] M71222.		
2.5A/60mV			SHB 2.5A/60mV	[3] M71223.		
4A/60mV			SHB 4A/60mV	[3] M71224.		
5A/60mV			SHB 5A/60mV	[3] M71225.		
6A/60mV			SHB 6A/60mV	[3] M71226.		
10A/60mV			SHB 10A/60mV	[*] M71227.		
15A/60mV			SHB 15A/60mV	[*] M71228.		
25A/60mV			SHB 25A/60mV	[*] M71229.		
30A/60mV	SHP 30A/60mV	[3] M71211.	SHB 30A/60mV	[*] M7122A.	SH 30A/60mV	[*] M71231.
40A/60mV	SHP 40A/60mV	[3] M71212.	SHB 40A/60mV	[*] M7122B.	SH 40A/60mV	[2] M71232.
50A/60mV	SHP 50A/60mV	[3] M71213.	SHB 50A/60mV	[*] M7122C.	SH 50A/60mV	[*] M71233.
60A/60mV	SHP 60A/60mV	[3] M71214.	SHB 60A/60mV	[*] M7122D.	SH 60A/60mV	[*] M71234.
75A/60mV	SHP 75A/60mV	[3] M71215.				
80A/60mV			SHB 80A/60mV	[*] M7122E.	SH 80A/60mV	[*] M71235.
100A/60mV	SHP 100A/60mV	[3] M71216.	SHB 100A/60mV	[*] M7122F.	SH 100A/60mV	[*] M71236.
150A/60mV	SHP 150A/60mV	[3] M71217.			SH 150A/60mV	[*] M71237.
200A/60mV	SHP 200A/60mV	[3] M71218.	SHB 200A/60mV	[2] M7122N.	SH 200A/60mV	[*] M71238.
250A/60mV					SH 250A/60mV	[*] M71239.
300A/60mV					SH 300A/60mV	[*] M7123A.
400A/60mV					SH 400A/60mV	[*] M7123B.
500A/60mV					SH 500A/60mV	[*] M7123C.
600A/60mV					SH 600A/60mV	[*] M7123D.
750A/60mV					SH 750A/60mV	[2] M7123E.
800A/60mV					SH 800A/60mV	[2] M7123F.
1000A/60mV					SH 1000A/60mV	[*] M7123G.
1200A/60mV					SH 1200A/60mV	[3] M7123H.
1500A/60mV					SH 1500A/60mV	[*] M7123J.
2000A/60mV					SH 2000A/60mV	[3] M7123K.
2500A/60mV					SH 2500A/60mV	[3] M7123L.
3000A/60mV					SH 3000A/60mV	[3] M7123M.
4000A/60mV					SH 4000A/60mV	[3] M7123N.
5000A/60mV					SH 5000A/60mV	[3] M7123P.
6000A/60mV					SH 6000A/60mV	[3] M7123Q.
7500A/60mV					SH 7500A/60mV	[3] M7123R.
8000A/60mV					SH 8000A/60mV	[C] M7123S.
10000A/60mV					SH 10000A/60mV	[C] M7123T.
12500A/60mV					SH 12500A/60mV	[C] M7123U.
15000A/60mV					SH 15000A/60mV	[C] M7123V.
18000A/60mV					SH 18000A/60mV	[C] M7123Z.
20000A/60mV					SH 20000A/60mV	[C] M7123O.

Insulating base socket for type SHB (up to 100 A) All shunts are supplied with 1.5 m long cables with a 1.5 m<sup>2</sup> cross-section

FOR OTHER PARAMETER CODING see table at the end of below


**VT, Measurement voltage transformers**

Type	Code	Class 0,5 Power (VA)	Class 1 Power (VA)	Relation
VT2311 230V/110V	[3] M72311.	10	25	230/110V
VT3823 380V/230V	[3] M72352.	10	25	380/230V
VT4011 400V/110V	[3] M72321.	10	25	400/110V
VT4023 400V/230V	[3] M72322.	10	25	400/230V
VT4411 440V/110V	[3] M72331.	10	25	440/110V
VT4423 440V/230V	[3] M72332.	10	25	440/230V
VT4811 480V/110V	[3] M72341.	10	25	480/110V
VT4823 480V/230V	[3] M72342.	10	25	480/230V
VT7023 700V/110V	[3] M72381.	10	25	700/110V
VT7023 700V/230V	[3] M72382.	10	25	700/230V


**TSR, Current adding transformer**

Type	Code	Input current	Class 0,5 Power (VA)	Class 1 Power (VA)	Measuring Channels
Current adding transformers fixed on a DIN rail					
TSR-2	[*] M70701.	5A	15	30	2
TSR-3	[*] M70702.	5A	15	30	3
TSR-4	[*] M70703.	5A	15	30	4
TSR-5	[*] M70704.	5A	15	30	5


**TE, Impedance elevator transformer**

Type	Code	Class 1 Power (VA)	Relation
TE-5/0.1	[*] M70911.	15	5 / 0,1 A

FOR OTHER PARAMETER CODING see table at the end of below



For Protection current transformers SEE SECTION Protection and Control/Protection current transformers

**CODIFICATION TABLE**

TC, TP, TA, TCH, TM45, TSR

Code	Internal code	Delivery time
M 7 X X X X 0 0 X X		
Secondary	Standard (.../ 5 A)	0
	.../ 1 A(*)	1
Certificate	-	0
	Individual (**)	1

(\*) Not available in TC4 type

(\*\*) A certificate is attached for every transformer

TRM

Code	Internal code	Delivery time
P 5 X X X X 0 0 X		
Secundario	Estándar (.../ 5 A)	0
	... / 1A	1

SH, SHB

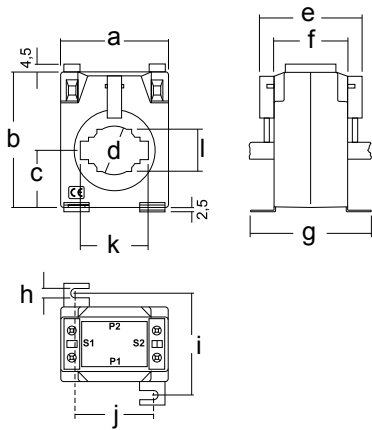
Code	Internal code	Delivery time
M 7 X X X X 0 0 X		
Input	Standard .../60 mV	0
	.../50 mV	1
	.../75 mV	7
	.../100 mV	2
	.../150 mV	3
	.../200 mV	4
	.../250 mV	8
	.../300 mV	5
	.../400 mV	9
	.../600 mV	6

Delivery time: [\*] immediate  
[x] working weeks  
[c] consult



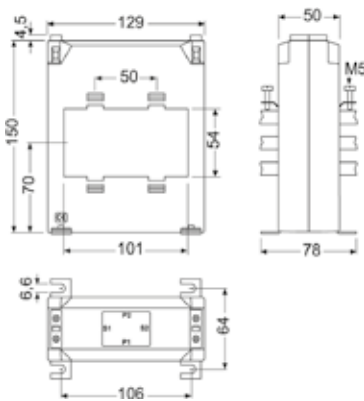
Dimensions

TC / TCH

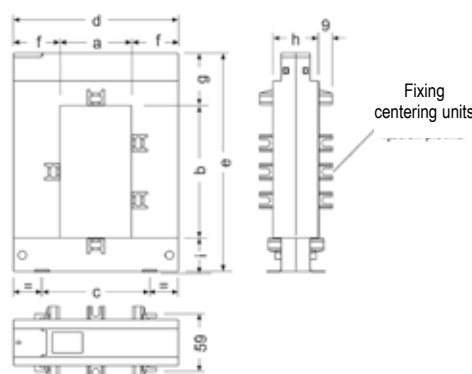


Dimensions (mm)	TC 4	TC 5 TCH 5	TC 5.2 TCH 5.2	TC 6.2 TCH 6.2	TC 6 TCH 6	TC 8 TCH 8	TC 10 TCH 10
a	50	58	58	64	64	84,5	108
b	70	70	70	80,5	80,5	102	130
c	29	29	29	34	34	46	61
d	21	20,3	22	26	28,5	44	63
e	43,5	45	45	60,5	66,5	69	---
f	30	32	32	44	44	50	50
g	56	59	59	71	71,2	78	78
h	5,5	5,6	5,6	5,6	5,6	6,6	6,6
i	45,5	48	48	60	60	64	64
j	31,6	39	39	46	46	62	86
k	30,5	25,6	30,6	30,6	40,6	60,6	80,6
l	30,5	15,6	15,6	20,6	25,2	30,6	50,8

TC 12



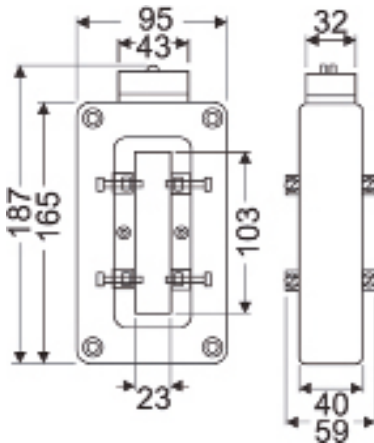
TP



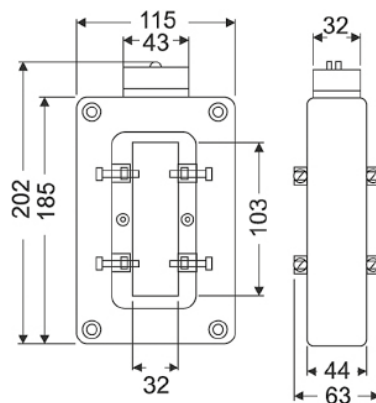
Dimensions (mm)	TP-23	TP-58	TP-88	TP-812	TP-816
a	20	50	80	80	80
b	30	80	80	120	160
c	51	78	108	108	120
d	89	114	144	144	184
e	110	145	145	185	245
f	34	32	32	32	52
g	47	32	32	32	47
h	40	32	32	32	52
i	32	32	32	32	38

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

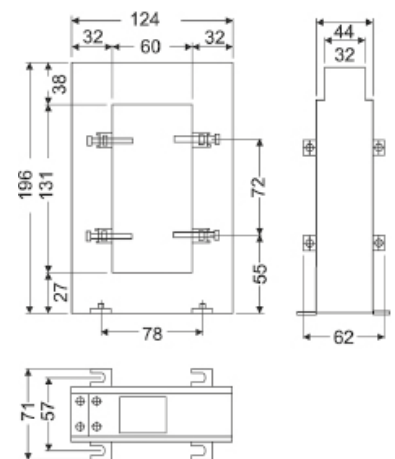
TA 400



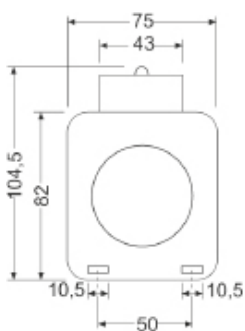
TA 500



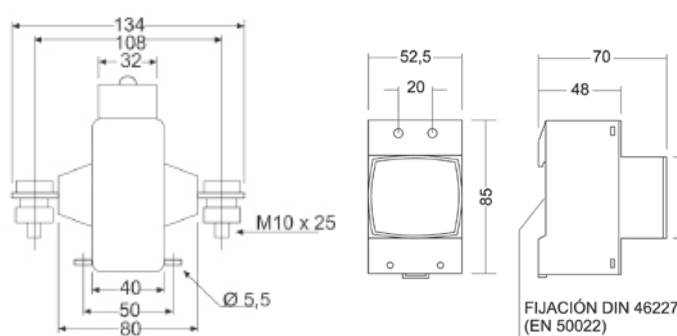
TA 600



TA 210

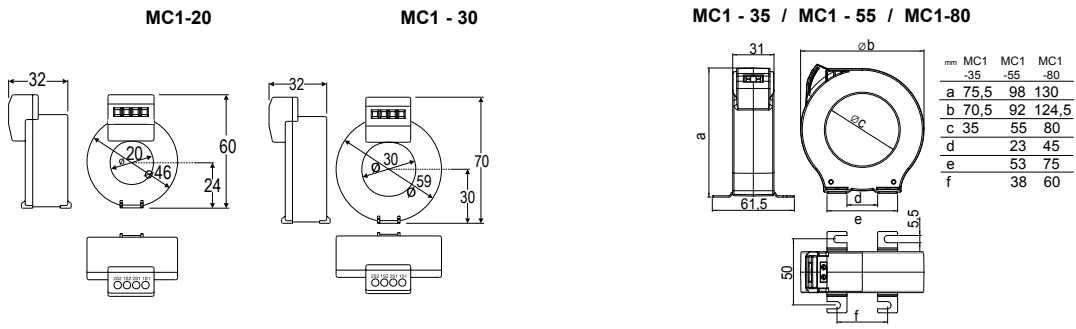


TM 45

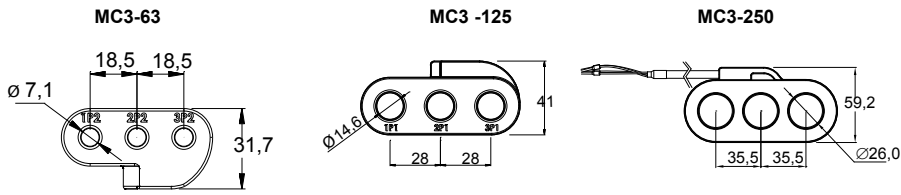


## Dimensions

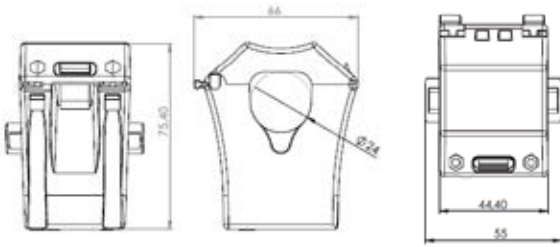
### MC1



### MC3



### STP-24



### TRMCx3

