

# TP

## Split-core measurement current transformer



### Description

Open-core transformers that can measure current without having to interrupt the electric supply. In other words, the installation does not have to be dismantled in order to install them.

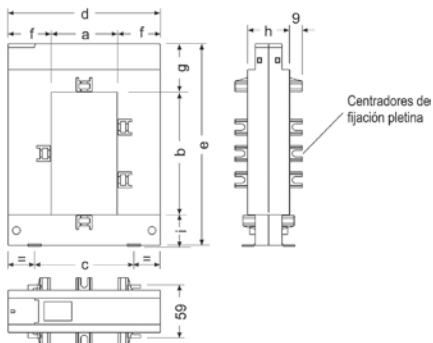
- Range: 100 to 5000 A
- Busbar dimensions: 20 x 30 mm to 80 x 160 mm
- The transformer certificate is attached.

### Applications

Measurement of current in critical installations where the electric supply cannot be interrupted. Temporary measurement where the cost of interrupting the electric supply is too high.

### Technical features

Electrical features		
Frequency	50 / 60 Hz	
Insulation voltage	3 kVac	
Thermal short-circuit current, $I_{th}$	60 $I_n$	
Dynamic current, $I_{dyn}$	2.5 $I_{th}$	
Highest voltage for the material	0.72 kVac	
Thermal class	<b>TP-23, TP-58, TP-88, TP-812:</b> B (130 °C) <b>TP-816:</b> H (180 °C)	
Operating temperature	-5 °C...+40 °C	
Transformation ratio	depending on the type (.../5 or .../1 A)	
Type of encapsulation	V0 self-extinguishing plastic ( <b>UL94 V0</b> )	
Safety factor	$F_s$ 10	
Sealable secondary terminals	Yes	
<b>Standards</b>	<b>IEC 44-1, UNE 21 088-1, UL 94, VDE 0414</b>	



### 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 the types have attachment centring units, except for **TP-23**

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References

Type	TP-23			TP-58			TP-88			TP-812			TP-816								
Busbar (mm)	20 x 30 mm			50 x 80 mm			80 x 80 mm			80 x 120 mm			80 x 160 mm								
Dimensions (mm)																					
	110			145			145			185			245								
	89			114			144			144			184								
	58			50			50			50			70								
A	VA	Class			Code	Class			Code	Class			Code	Class			Code				
		0,5	1	3		0,5	1	3		0,5	1	3		0,5	1	3					
50/5	-	-	1,5	M7011A.	-	-	-	-	-	500/5	-	4	12	M70141.	3	-	-	M7015F.			
75/5	-	-	1,5	M70117.	-	-	-	-	-	600/5	-	5	14	M70142.	3	-	-	M7015H.			
100/5	-	-	1,5	M70111.	-	-	2	M7012D.	-	-	750/5	2,5	6	17	M70143.	5	-	-	M70158.		
125/5	-	-	1,5	M70118.	-	-	-	-	-	800/5	3	7	18	M70144.	-	-	-	-			
150/5	-	-	2	M70112.	-	-	3	M7012A.	-	-	1000/5	5	9	20	M70145.	10	15	20	M70151.		
200/5	-	1,5	2,5	M70113.	-	-	3	M7012B.	-	-	1200/5	6	11	24	M70146.	-	-	-	-		
250/5	-	2	4	M70114.	-	2	4	M70121.	-	2	4	M70131.	1250/5	6	11	24	M70147.	8	-	-	M7015A.
300/5	1,5	4	6	M70115.	1,5	3	6	M70122.	1,5	3	6	M70132.	1500/5	8	17	30	M70148.	15	20	25	M70152.
400/5	2,5	6	10	M70116.	1,5	3	10	M70123.	1,5	3	10	M70133.	1600/5	8	-	-	M70149.	8	-	-	M7015B.
500/5	-	-	-	-	2,5	5	15	M70124.	2,5	5	15	M70134.	2000/5	-	-	-	-	15	20	25	M70153.
600/5	-	-	-	-	2,5	5	17,5	M70125.	2,5	5	17,5	M70135.	2500/5	10	17	25	M7014A.	15	20	25	M70154.
700/5	-	-	-	-	3	6	18	M7012C.	-	-	-	-	3000/5	-	-	-	-	20	25	30	M70155.
750/5	-	-	-	-	3	6	18	M70126.	3	6	18	M70136.	3200/5	-	-	-	-	20	-	-	M7015C.
800/5	-	-	-	-	3	7	18	M70127.	3	7	18	M70137.	4000/5	-	-	-	-	20	25	30	M70156.
1000/5	-	-	-	-	5	10	20	M70128.	5	10	20	M70138.	5000/5	-	-	-	-	20	25	30	M70157.
													6000/5	-	-	-	-	20	-	-	M7015E.