

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.

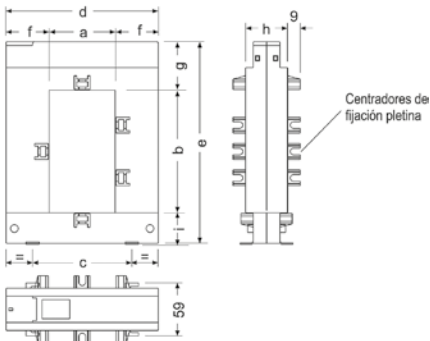
- Range: 100 to 5000 A
- Busbar dimensions: 20 x 30 mm to 80 x 160 mm
- The transformer certificate is attached.

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 (130 °C)	
Operating temperature	-5 °C...+40 °C	
Transformation ratio	depending on the type (.../5 or .../1 A)	
Type of encapsulation	V0 self-extinguishing plastic (UL94 V0)	
Safety factor	F _s 10	
Sealable secondary terminals	Yes	
Standards	IEC 44-1, UNE 21 088-1, UL 94, VDE 0414	



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

TP

Split-core measurement current transformer

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 89 58	145 114 50	145 144 50	185 144 50	245 184 70												
A	VA				VA				VA								
	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.	1250/5	6	11	24	M70147.	8	-	-	M7015A.
300/5	1,5	4	6	M70115.	1,5	3	6	M70122.	1500/5	8	17	30	M70148.	15	20	25	M70152.
400/5	2,5	6	10	M70116.	1,5	3	10	M70123.	1600/5	8	-	-	M70149.	8	-	-	M7015B.
500/5	-	-	-	-	2,5	5	15	M70124.	2000/5	-	-	-	-	15	20	25	M70153.
600/5	-	-	-	-	2,5	5	17,5	M70125.	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.	3200/5	-	-	-	-	20	-	-	M7015C.
800/5	-	-	-	-	3	7	18	M70127.	4000/5	-	-	-	-	20	25	30	M70156.
1000/5	-	-	-	-	5	10	20	M70128.	5000/5	-	-	-	-	20	25	30	M70157.
									6000/5	-	-	-	-	20	-	-	M7015E.