

Bar or Cable Primary Current Transformers RC SERIES



- **Indoor**
- 3.6- 7.2 - 12 - 17.5 -24 KV
- Primary current from 50 to 12000A
- Ith up to 1000 Ipn
- Cast-resin insulated
- Up to 4 separate cores

Current transformers vacuum moulded in self-extinguishing epoxy resin for the measurement of AC currents from 50 to 12000A. This range is also suitable for the measurement of high currents

Technical data

Rated insulation level	3.6/20/60 kV to 24/50/125 kV
Primary current I _{pn}	50 to 12000A
Secondary current I _{sn}	5 or 1 A
Frequency	50 or 60 Hz
Rated output	1 to 100 VA
Accuracy class	0.1 - 0.2 - 0.2S -0.5-0.5S-1-3-5P-10P-PX
Security factor	5 to 30
Accuracy limit factor	5 - 10 - 15 - 20 - 30
Continuous thermal current	1.2 I _{pn}
Short-time thermal current I _{th}	80 to 1000 I _{pn}
Dynamic current I _{dyn}	2.5I _{th}
Insulation class	E
Altitude	1000 m
Ambient temperature	-5C° to + 40 C° -25C° to + 40 C° -40C° to + 40 C°
Standards	IEC60044-1, IEC61869-2, IEC60044-6

Other characteristics on request

Secondary current I _{sn}	0.005 to 10A
Multi - ratio	By secondary tapping
Multiple cores	Up to 4 cores
Continues thermal current	1.2 to 1.5I _{pn} and 2I _{pn}
Ambient temperature	Up to + 110C°
Standard	ANSI C57.13, IEC60044-1, IEC60044-6, BS, A, VDE

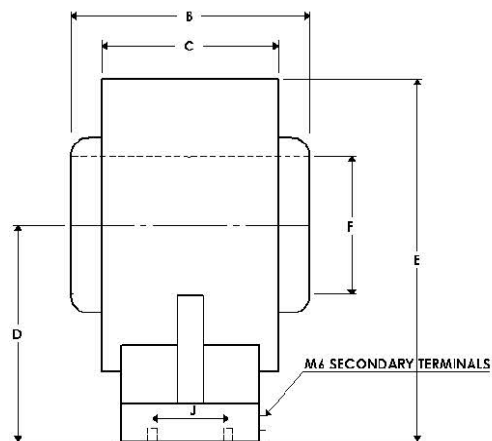
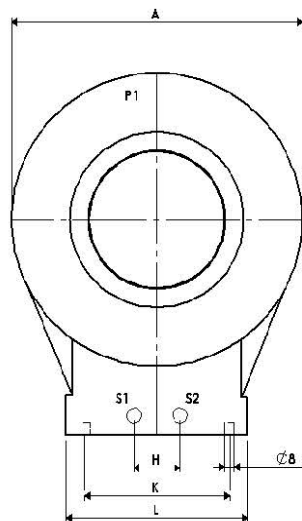
Accessories/Option

Shield	
Base plate	
With capacitor divider	

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Selection table and dimension

Type	Un	Weight	A	B	C	D	E	F	J	K	L
	kv	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm
RC5	12/28/75	16	230	190	140	170	285	106	59	115	144
RC10-120	17.5/38/95	26	273	230	180	230	365	120	80	121	188
RC10-130	17.5/38/95	24	273	230	180	230	365	130	80	121	188
RC12	17.5/38/95	27	304	210	150	207	360	180	59	119	163
RC13	17.5/38/95	36	304	210	150	207	360	130	59	119	163
RC14	17.5/38/95	33	304	210	150	207	360	140	59	119	163
RC15	17.5/38/95	18	230	210	140	247	360	106	59	115	159
RC16	24/50/125	23	254	210	140	273	400	130	59	119	159
RC18	24/50/125	25.5-28	280	230	160	286	420	127	59	119	159



Installation

At 24 KV, it is advisable to use a round primary conductor with a maximum diameter of 100 mm, and centered in the window. A bar may be used provided that its edges are rounded

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