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Konverter

Janitza® Solution Gold Partner

KCT CURRENT TRANSFORMER

Split Core Current Transformer



The KCT series current transformer has been specially designed to facilitate their installation in new or already existing networks. They may be installed without opening any cable or bus-bar circuit. The connection of conventional CTs usually requires the interruption of the primary side circuit to pass cables or bur-bars through the transformer core or to connect such cables to the primary terminals. This series transformers core may be easily opened, and they may be installed and connected without any supply interruption, thus, saving time and the installation costs.

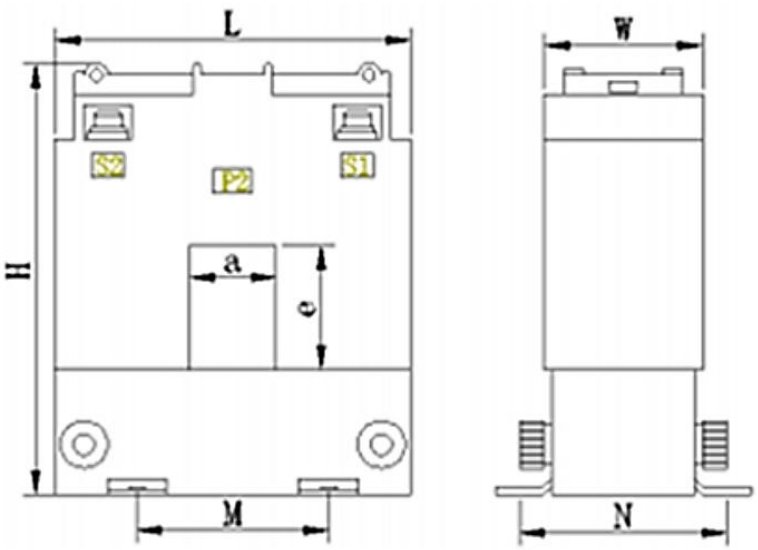
Applications

- Power System.
- Industrial Control System.
- Submetering.

Electrical Data

Model	KCT-XXX-YYYY/ZZZ
Standard	GB/T 20840 (IEC 61869)
Certificate	CE
Maximum equipment Voltage	0.66 / 0.72 kV rms
Primary Current	100 – 6000 Arms
Secondary Output	1A / 5A A rms
Accuracy	0.5 – 1.0 %
Pressure Resistance	3 kVAC / min
Isolation Resistance	@ DC 500V / 100 MΩ
Working Frequency	50 / 60 Hz
Operating Temperature	-25 to +50 ℃
Storage Temperature	-30 to +70 ℃
Measure Range	5%- 120%

Drawings



KCT	Primary	Dimensions						
		L	W	H	a	e	M	N
Model	A	mm	mm	mm	mm	mm	mm	mm
KCT-023	100- 400	90	40	110	22	32	48	52
KCT-058	250- 1000	115	38	157.5	51	81	81	50
KCT-088	250- 1000	145	38	162	80	80	111	45
KCT-812	500- 1500	145	38	201	81	121	111	45
KCT-610	800- 3000	130	49	185	62	106	64.5	45
KCT-410	800- 4000	141	53	190	43	103	64.5	45
KCT-816	1000- 5000	185	53	248	82	161	119	45

Typical Parameter

Model	Current ratio	Loading (VA) cos: 0.8		
		0.5S	0.5	1
30*20	100/1			1
	300/1		1.5	2.5
	400/1		1.5	2.5
	450/1		2.5	5
80*50	250/1			1.5
	800/1	5		15
	1000/1	15	20	
	1200/1	15	25	
80*80	800/1		7.5	20
	1000/1	10	20	
	1200/1	10	20	
100*40	500/1	5		10
	1500/1		25	
	2000/1	25	50	
100*60	500/1	2.5	5	10
	1200/1	20		
	1500/1	25		
120*80	500/1		1.5	
	1200/1	5	20	
	1500/1	10	20	
160*80	1000/1	30		
	2500/1	50		
	5000/1			

Model	Current ratio	Loading (VA) cos: 0.8		
		0.5S	0.5	1
30*20	300/5			2.5
	400/5		2.5	5
	450/5		2.5	5
80*50	250/1		2	2.5
	500/5		2.5	10
	600/5		5	10
	800/5		15	25
	1000/5	20	30	
	1200/5	20	30	
80*80	250/5			2.5
	800/5		15	25
	1000/5		15	25
	1200/5	15	25	
100*40	500/5		2	10
	1200/5	15	25	
	1500/5	25	30	
	2000/5			
100*60	1200/5	20	50	
	1500/5	50		
	3000/5	50		
120*80	500/5		5	10
	1250/5		30	
	1500/5		40	
160*80	1500/5			
	2500/5			
	4000/5			
	5000/5			

Installation Diagram

