

Split Core Current Transformers

SCTK732B Series



SCTK732B series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.

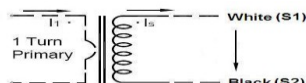
◆ Features

- The structure of the self-locking, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

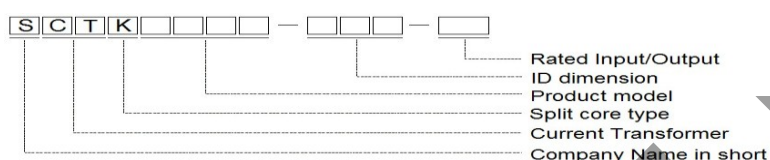
◆ Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.

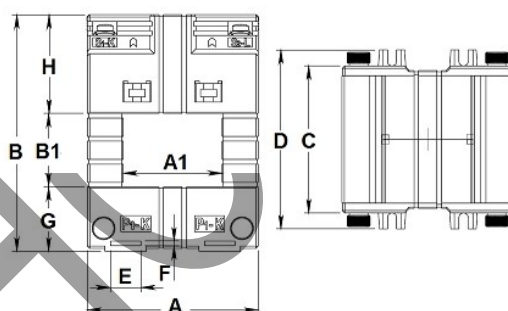
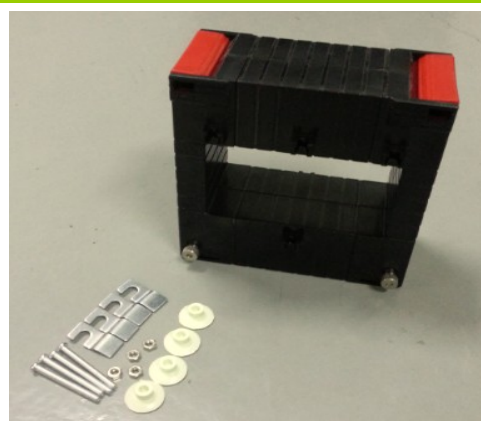
◆ Circuit connection diagram



◆ Designation



◆ Technique Index



Electrical Parameter	
Frequency	50-2.5KHz
Rated Input	0.5A-6000A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-5A
Ratio	$\leq \pm 0.2\%$
Phase angle	$\leq \pm 10\text{min}$
Dielectric strength	5.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC+ABS/UL94-V0
Bobbin	PC+ABS
Core	Silicon
Internal structure	Epoxy
Construction	Tie
Operating Temp	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	Terminal

◆ Type Selection (Output: 1A/5A/0.333V)

P/N	Input (A)	Output (A/V)	Accuracy	Dimensions(mm)									
				A1	B1	A	B	C	D	E	F	G	H
SCTK732B-330	0-630A	1A/5A/0.333V	0.2, 0.5, 1.0	33	32	69	119	64	78	13	2	43	43
SCTK732B-430	0-800A	1A/5A/0.333V	0.2, 0.5, 1.0	43	32	79	119	64	78	13	2	43	43
SCTK732B-530	0-1250A	1A/5A/0.333V	0.2, 0.5, 1.0	53	32	89	119	64	78	13	2	43	43
SCTK732B-630	0-1600A	1A/5A/0.333V	0.2, 0.5, 1.0	63	32	99	119	64	78	13	2	43	43
SCTK732B-830	0-2000A	1A/5A/0.333V	0.2, 0.5, 1.0	83	32	119	119	64	78	13	2	43	43
SCTK732B-1030	0-3000A	1A/5A/0.333V	0.2, 0.5, 1.0	103	32	139	119	64	78	13	2	43	43
SCTK732B-1230	0-3600A	1A/5A/0.333V	0.2, 0.5, 1.0	123	32	159	119	64	78	13	2	43	43
SCTK732B-1330	0-4000A	1A/5A/0.333V	0.2, 0.5, 1.0	133	32	169	119	64	78	13	2	43	43
SCTK732B-1430	0-5000A	1A/5A/0.333V	0.2, 0.5, 1.0	143	32	179	119	64	78	13	2	43	43
SCTK732B-1830	0-5000A	1A/5A/0.333V	0.2, 0.5, 1.0	183	32	219	119	64	78	13	2	43	43

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Split Core Current Transformers

SCTK732B Series



SCTK732B-350	0-630A	1A/5A/0.333V	0.2、0.5、1.0	33	55	69	141	64	78	13	2	43	43
SCTK732B-450	0-800A	1A/5A/0.333V	0.2、0.5、1.0	43	55	79	141	64	78	13	2	43	43
SCTK732B-550	0-1250A	1A/5A/0.333V	0.2、0.5、1.0	53	55	89	141	64	78	13	2	43	43
SCTK732B-650	0-1600A	1A/5A/0.333V	0.2、0.5、1.0	63	55	99	141	64	78	13	2	43	43
SCTK732B-850	0-2000A	1A/5A/0.333V	0.2、0.5、1.0	83	55	119	141	64	78	13	2	43	43
SCTK732B-1050	0-3000A	1A/5A/0.333V	0.2、0.5、1.0	103	55	139	141	64	78	13	2	43	43
SCTK732B-1250	0-3600A	1A/5A/0.333V	0.2、0.5、1.0	123	55	159	141	64	78	13	2	43	43
SCTK732B-1350	0-4000A	1A/5A/0.333V	0.2、0.5、1.0	133	55	169	141	64	78	13	2	43	43
SCTK732B-1450	0-5000A	1A/5A/0.333V	0.2、0.5、1.0	143	55	179	141	64	78	13	2	43	43
SCTK732B-1850	0-5000A	1A/5A/0.333V	0.2、0.5、1.0	183	55	219	141	64	78	13	2	43	43
SCTK732B-2050	0-5000A	1A/5A/0.333V	0.2、0.5、1.0	203	55	239	141	64	78	13	2	43	43
SCTK732B-2250	0-5000A	1A/5A/0.333V	0.2、0.5、1.0	223	55	259	141	64	78	13	2	43	43
SCTK732B-2650	0-6000A	1A/5A/0.333V	0.2、0.5、1.0	263	55	299	141	64	78	13	2	43	43
SCTK732B-380	0-630A	1A/5A/0.333V	0.2、0.5、1.0	33	82	69	168	64	78	13	2	43	43
SCTK732B-480	0-800A	1A/5A/0.333V	0.2、0.5、1.0	43	82	79	168	64	78	13	2	43	43
SCTK732B-580	0-1250A	1A/5A/0.333V	0.2、0.5、1.0	53	82	89	168	64	78	13	2	43	43
SCTK732B-680	0-1600A	1A/5A/0.333V	0.2、0.5、1.0	63	82	99	168	64	78	13	2	43	43
SCTK732B-880	0-2000A	1A/5A/0.333V	0.2、0.5、1.0	83	82	119	168	64	78	13	2	43	43
SCTK732B-1080	0-3000A	1A/5A/0.333V	0.2、0.5、1.0	103	82	139	168	64	78	13	2	43	43
SCTK732B-1280	0-3600A	1A/5A/0.333V	0.2、0.5、1.0	123	82	159	168	64	78	13	2	43	43
SCTK732B-1380	0-4000A	1A/5A/0.333V	0.2、0.5、1.0	133	82	169	168	64	78	13	2	43	43
SCTK732B-1480	0-5000A	1A/5A/0.333V	0.2、0.5、1.0	143	82	179	168	64	78	13	2	43	43
SCTK732B-1880	0-5000A	1A/5A/0.333V	0.2、0.5、1.0	183	82	219	168	64	78	13	2	43	43
SCTK732B-2080	0-5000A	1A/5A/0.333V	0.2、0.5、1.0	203	82	239	168	64	78	13	2	43	43
SCTK732B-2280	0-5000A	1A/5A/0.333V	0.2、0.5、1.0	223	82	259	168	64	78	13	2	43	43
SCTK732B-2680	0-6000A	1A/5A/0.333V	0.2、0.5、1.0	263	82	299	168	64	78	13	2	43	43

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