



Measure current range: 5A~120A

Max. measure current

Work voltage: 720V

Model of cable: AWG22(UL-1007)

Flame resistance: UL94-V0

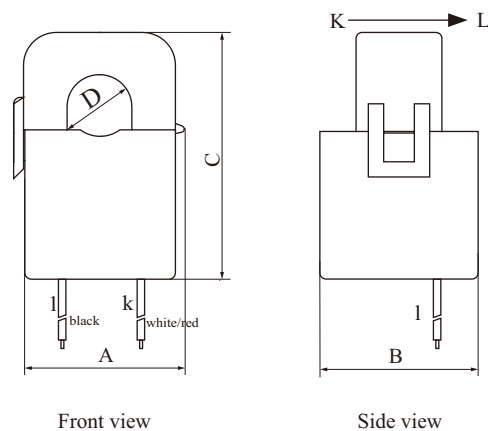
Operation temperature: -25℃~+60℃

Storage temperature: -30℃~+90℃

Dielectric strength: AC 3500V/1min
(between output and shell)

Isolation resistance: >100MΩ(500V DC)
(between primary and secondary)

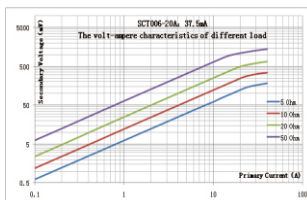
Dimensions:



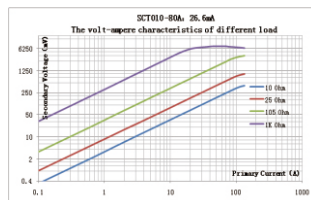
Size: in(mm)				
Model	A	B	C	ΦD
SCT006	16.5	19	29	6
SCT010	22.8	25.8	40	10
SCT016	29.5	31	46	16
SCT016S	29.5	31	46	16

*SCT006secondary cable are red and white color

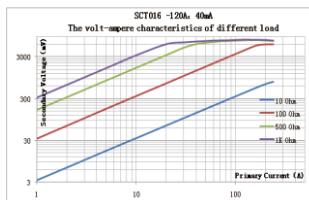
Typical graph:



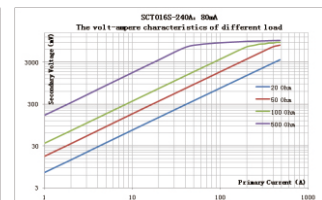
SCT006



SCT010



SCT016



SCT016S

Technical parameter table: Design according to customer's requirements into voltage type or current type

Model	Rated measure current	Max. measure current	Secondary turns	Accuracy	Rated output	Sampling resistance	Work frequency	Secondary impedance	Phase offset	Material of core	Weight
SCT006	20A	24A	800±2T	1	25mA	5.1 Ω	50-1KHz	70 Ω ± 10 Ω	+1.5±1°	Ferrite	15
SCT010	80A	120A	3000±2T	0.5/1	26.6mA	10 Ω	50-1KHz	350 Ω ± 35 Ω	+1.5±1°	Ferrite	45
SCT016	120A	160A	3000±2T	0.5/1	40mA	10 Ω	50-1KHz	300 Ω ± 30 Ω	+1±1°	Ferrite	70
SCT016S	150A	200A	3000±2T	0.5/1	50mA	10 Ω	50-60Hz	327 Ω ± 33 Ω	+1±1°	Silicon steel sheet	85



Measure current range: 5A~600A

Max. measure current

Work voltage: 720V

Flame resistance: UL94-V0

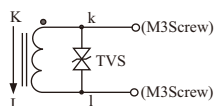
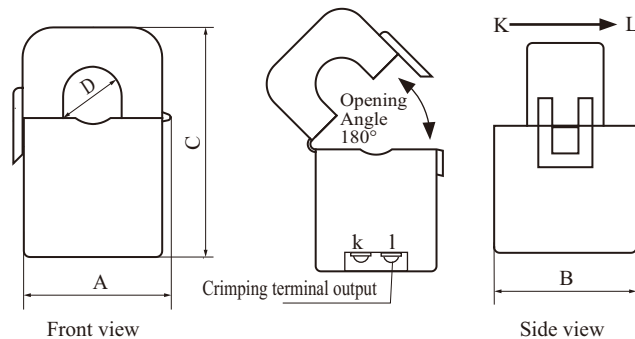
Operation temperature: -25℃~+60℃

Storage temperature: -30℃~+90℃

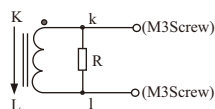
Dielectric strength: AC 3500V/1min
(between output and shell)

Isolation resistance: >100MΩ (500V DC)
(between primary and secondary)

Dimensions:



Built-in two-way protection diode
Current output type

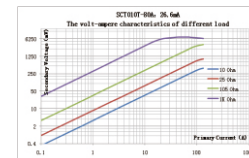


Built-in sampling resistor
Voltage output type

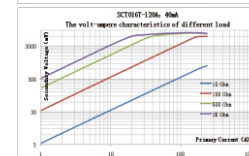
Schematic diagram

Size:in(mm)				
Model	A	B	C	ΦD
SCT010T	23	26	50	10
SCT016T	29.5	31	55	16
SCT016TS	29.5	31	55	16
SCT024TS	46	34.2	75	24
SCT036TS	57	40.5	91	36

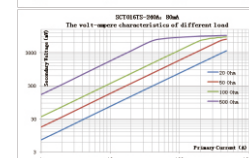
Typical graph:



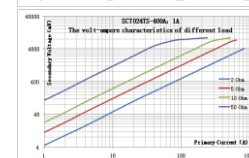
SCT010T



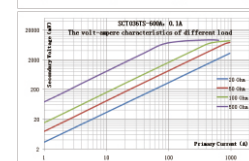
SCT016T



SCT016TS



SCT024TS



SCT036TS

Technical parameter table: Design according to customer's requirements into voltage type or current type

Model	Rated measure current	Max. measure current	Rated output	Accuracy	Secondary turns	Sampling resistance	Work frequency	Phase offset	Secondary impedance	Material of core	Weight
SCT010T	80A	120A	26.6mA	0.5/1	3000±2T	10Ω	50-1kHz	+1.5±1°	350Ω±35Ω	Ferrite	45g
SCT016T	120A	160A	40mA	0.5/1	3000±2T	10Ω	50-1kHz	+1±1°	300Ω±30Ω	Ferrite	70g
SCT016TS	150A	200A	50mA	0.5/1	3000±2T	10Ω	50-60Hz	+1±1°	327Ω±33Ω	Silicon steel sheet	85g
SCT024TS	400A	480A	100mA	0.5/1	4000±3T	8Ω	50-60Hz	+0.5±0.5°	295Ω±30Ω	Silicon steel sheet	204g
SCT036TS	600A	650A	100mA	0.5/1	6000±5T	5Ω	50-60Hz	+0.5±0.5°	286Ω±30Ω	Silicon steel sheet	310g

FULLSTAR QT series split core current transformer



Measure current range: 5A~5000A

Max. measure current: 6000A

Phase offset: $\leq 30'$

Work voltage: 720V

Work frequency: 50-60Hz

Split-core type: double screw fix

Flame resistance: UL94-V0

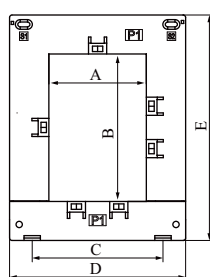
Operation temperature: $-25^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Storage temperature: $-30^{\circ}\text{C} \sim +90^{\circ}\text{C}$

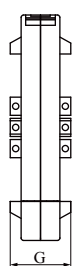
Dielectric strength: AC 3500V/1min
(between output and shell)

Isolation resistance: $>100\text{M}\Omega$ (500V DC)
(between primary and secondary)

Dimensions:

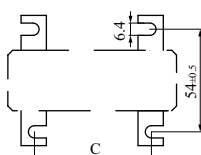


Front view



Side view

Size: in(mm)						
Model	A	B	C	D	E	G
SCT6040QT	42	62	75	114	140	70
SCT8050QT	51	81	77.5	115	148	54
SCT8080QT	81	81	107.5	145	148	54
SCT12080QT	80.5	121.8	108	145.5	192.5	54
SCT16080QT	81	161.5	112	185	245.2	70
SCT13050QT	51	131	81.5	121	203	66
SCT22080QT	81	221	112	185	305	70
Tolerance	± 0.5	± 0.5	± 0.5	± 1	± 1	± 0.3



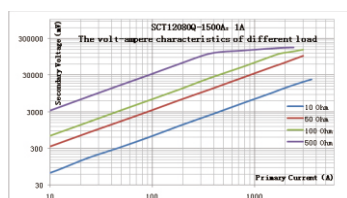
Sub-plate mount, feet size

Technical parameter table:

Design according to customer's requirements into voltage type or current type

Model	Output power Primary (VA)	Output: 1A			Output: 5A	
		Accuracy grade (%)				
		0.5	1	3	0.5	1
SCT6040QT	250	1.5	2.5	3.75	1.5	2.5
	600	3.75	7.5	10	5	7.5
	1000	5	10	15	7.5	10
	1500	7.5	10	20	10	15
	2000	10	15	25	15	20
SCT8050QT	250	1.5	2.5	5	1.5	2.5
	400	2	3.75	7.5	2.5	5
	500	2.5	5	7.5	3.75	5
	800	3.75	5	10	5	7.5
	1000	5	7.5	10	5	10
SCT8080QT	250	---	1.5	2.5	---	1.5
	400	1.5	2.5	5	1.5	2.5
	500	2.5	3.75	5	2.5	5
	800	2.5	5	7.5	2.5	5
	1000	5	7.5	10	5	10
SCT12080QT	500	2.5	3.75	5	2.5	5
	600	2.5	3.75	5	2.5	5
	800	2.5	5	7.5	2.5	5
	1000	5	7.5	10	5	10
	1500	7.5	10	15	7.5	10
SCT13050QT	600	2.5	3.75	5	2.5	3.75
	800	2.5	3.75	5	2.5	5
	1000	2.5	5	7.5	2.5	5
	1500	5	7.5	10	5	7.5
	2000	7.5	10	15	7.5	10
SCT16080QT	1000	5	10	15	5	7.5
	1500	7.5	10	15	7.5	10
	2000	7.5	15	20	10	15
	2500	7.5	15	25	10	15
	3000	10	20	25	15	20
SCT22080QT	3500	10	20	30	15	20
	4000	10	25	30	20	25
	1000	5	7.5	10	5	7.5
	1500	5	7.5	10	5	7.5
	2000	7.5	10	15	7.5	10
	2500	7.5	10	15	7.5	10
	3000	10	15	20	10	15
	3500	10	15	20	10	20
	4000	15	20	25	15	20
	5000	15	20	25	15	25

Typical graph:



SCT12080QT



Measure current range: 5A~3000A

Max. measure current

Phase offset: $\leq 30'$

Work voltage: 720V

Flame resistance: UL94-V0

Operation temperature: $-25^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Storage temperature: $-35^{\circ}\text{C} \sim +95^{\circ}\text{C}$

Model of cable: AWG17/AWG20, length 1m

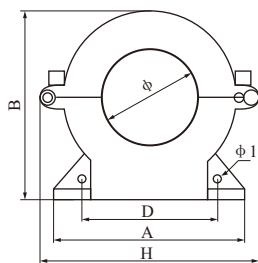
Dielectric strength: AC 3500V/1 min
(between output and shell)

Isolation resistance: $>100\text{M}\Omega$ (500V DC)
(between primary and secondary)

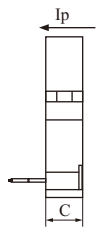
*SCT065BT

Dimensions:

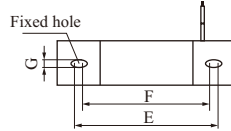
Typical graph:



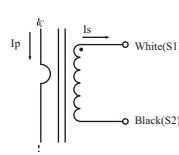
Front view



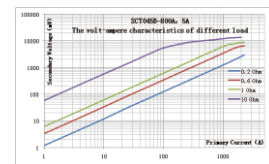
Side view



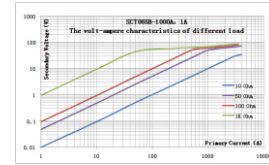
Bottom view



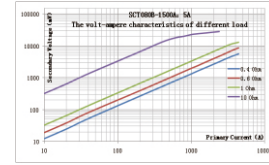
Schematic diagram



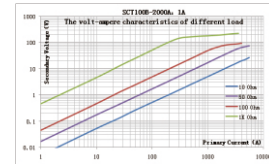
SCT045B



SCT065B



SCT080B



SCT100B

Size: in(mm)										
Model	A	B	C	D	E	F	G	H	Φ	Φ1
SCT025B	80	75	22	56	68	58	5.2	98	26.5	5
SCT045B	109	107	26	71.5	95	80	5.2	128	46	5
SCT065B(T)	129	127	26	91	115	99	5.2	147	65	5
SCT080B(T)	144	144	28	97	128	110	5.2	163	81	5
SCT100B(T)	175	175	30	127	155	125	5.2	201	100	5

Technical parameter table: Design according to customer's requirements into voltage type or current type

Model	Rated measure current	Rated output	Work frequency	Accuracy	Output mode	Material of core	Weight
SCT025B	50A~400A	1A/5A	50Hz-60Hz	0.5/1	Cable	Silicon steel sheet	--
SCT045B	50A~1000A	1A/5A	50Hz-60Hz	0.2/0.5/1	Cable	Silicon steel sheet	409g
SCT065B(T)	100A~1500A	1A/5A	50Hz-60Hz	0.2/0.5/1	Cable or crimping terminal	Silicon steel sheet	450g
SCT080B(T)	100A~2000A	1A/5A	50Hz-60Hz	0.2/0.5/1	Cable or crimping terminal	Silicon steel sheet	--
SCT100B(T)	200A~3000A	1A/5A	50Hz-60Hz	0.2/0.5/1	Cable or crimping terminal	Silicon steel sheet	1210g

FULLSTAR QL series split core current transformer



Measure current range : 5A~600A

Max. measure current : 720A

Phase offset : $\leq 30'$

Work voltage : 720V

Flame resistance : UL94-V0

Operation temperature : $-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$

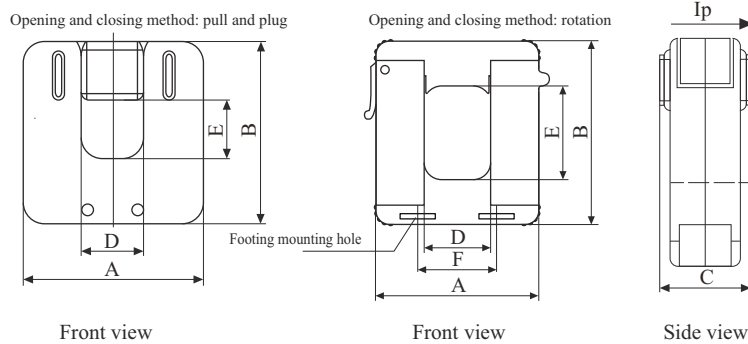
Storage temperature : $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Model of cable : AWG20/AWG17, length 2m

Dielectric strength : AC 3500V/1min
(between output and shell)

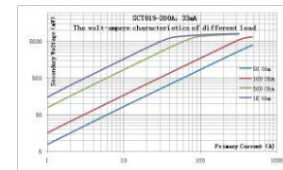
Isolation resistance : $> 100\text{M}\Omega$ (500V DC)
(between primary and secondary)

Dimensions:

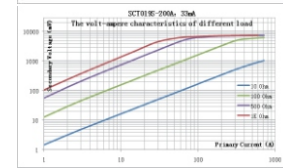


Size : in(mm)						
Model	A	B	C	D	E	F
SCT019(S)	50.8	53.3	15.5	19.1	19.1	--
SCT031QL	82	85	26	31.8	31.8	--
SCT3625QL	68	82	25	25.4	35.8	27
SCT4333QL	93	101.6	28.8	33.4	44.2	30

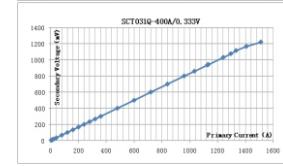
Typical graph:



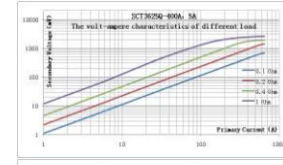
SCT019



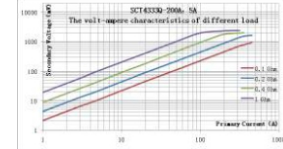
SCT019S



SCT031QL



SCT3625QL



SCT4333QL

Technical parameter table: Design according to customer's requirements into voltage type or current type

Model	Rated measure current	Max. measure current	Secondary turns	Rated output	Sampling resistance	Secondary impedance	Accuracy	Work frequency	Split-core type	Material of core	Weight
SCT019	200A	300A	$6000 \pm 5T$	$33\text{mA}/0.33\text{V}$	20Ω	$445\Omega \pm 45\Omega$	$\pm 0.5\%$	20-1KHz	Pull and plug	Permalloy	91g
SCT019S	300A	400A	$6000 \pm 5T$	$33\text{mA}/0.33\text{V}$	20Ω	$445\Omega \pm 45\Omega$	$\pm 1\%$	50-60Hz	Pull and plug	Silicon steel sheet	91g
SCT031QL	600A	750A	$6000 \pm 5T$	$1\text{A}/0.33\text{V}$	20Ω	$140\Omega \pm 30\Omega$	$\pm 1\%$	50-60Hz	Pull and plug	Silicon steel sheet	265g
SCT3625QL	400A	500A	$80 \pm 5T$	$1\text{A}/5\text{A}$	0.1Ω	$0.104\Omega \pm 0.01\Omega$	$\pm 0.5\%$	50-60Hz	Rotation	Silicon steel sheet	234g
SCT4333QL	600A	720A	$120 \pm 5T$	$1\text{A}/5\text{A}$	0.2Ω	$0.25\Omega \pm 0.03\Omega$	$\pm 0.5\%$	50-60Hz	Rotation	Silicon steel sheet	404g



Measure current range : 5A~160A

Max. measure current : 200A

Phase offset : $\leq 30^\circ$

Work voltage : 720V

Flame resistance : UL94-V0

Operation temperature : $-25^\circ\text{C} \sim +70^\circ\text{C}$

Storage temperature : $-30^\circ\text{C} \sim +90^\circ\text{C}$

Dielectric strength : AC 3500V/1min
(between output and shell)

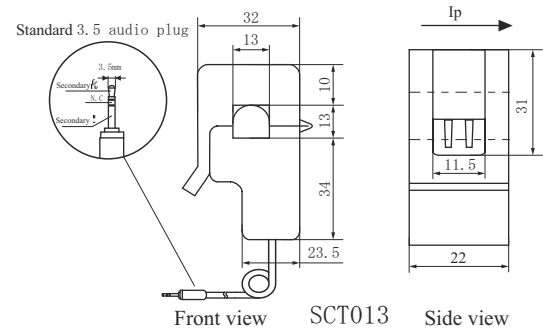
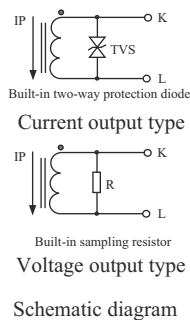
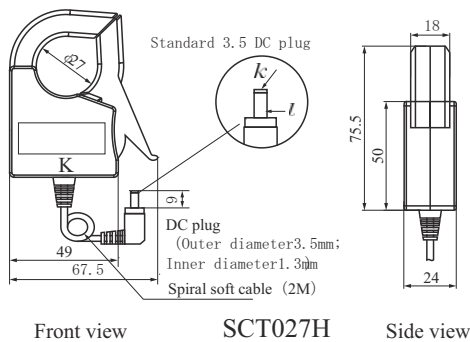
Isolation resistance : $> 100\text{M}\Omega$ (500V DC)
(between primary and secondary)

Patent No. : 201530063912.9 201530060067. X

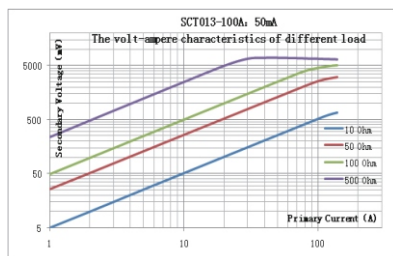
*SCT013 audio plug connector kindly check (P67-1) 3P

*SCT027 DC plug (P67-2)

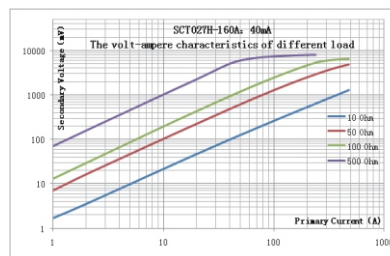
Dimensions:



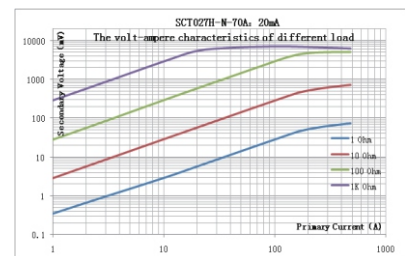
Typical graph:



SCT013



SCT027H



SCT027H-N

Technical parameter table: Design according to customer's requirements into voltage type or current type

Model	Rated measure current	Max. measure current	Secondary turns	Secondary	Accuracy	Sampling resistance	Work frequency	Material of core	Output mode	Weight
SCT013-000	100A	120A	2000 $\pm$ 2T	50mA	$\pm 1\%$	10 Ω	50-1KHz	Ferrite	Cable	50g
SCT013-005	5A	30A	1800 $\pm$ 2T	1V	$\pm 1\%$	built-in	50-1KHz	Ferrite	Cable	50g
SCT013-010	10A	35A	1800 $\pm$ 2T	1V	$\pm 1\%$	built-in	50-1KHz	Ferrite	Cable	50g
SCT013-015	15A	40A	1800 $\pm$ 2T	1V	$\pm 1\%$	built-in	50-1KHz	Ferrite	Cable	50g
SCT013-020	20A	50A	1800 $\pm$ 2T	1V	$\pm 1\%$	built-in	50-1KHz	Ferrite	Cable	50g
SCT013-025	25A	55A	1800 $\pm$ 2T	1V	$\pm 1\%$	built-in	50-1KHz	Ferrite	Cable	50g
SCT013-030	30A	60A	1800 $\pm$ 2T	1V	$\pm 1\%$	built-in	50-1KHz	Ferrite	Cable	50g
SCT013-050	50A	70A	1800 $\pm$ 2T	1V	$\pm 1\%$	built-in	50-1KHz	Ferrite	Cable	50g
SCT013-060	60A	75A	1800 $\pm$ 2T	1V	$\pm 1\%$	built-in	50-1KHz	Ferrite	Cable	50g
SCT013-100	100A	120A	2000 $\pm$ 2T	1V	$\pm 1\%$	10 Ω	50-1KHz	Ferrite	Cable	50g
SCT027H	160A	200A	4000 $\pm$ 3T	40mA	$\pm 3\%$	70 Ω	50-60Hz	Silicon steel sheet	Φ 3.5power plug	104g
SCT027H-N	70A	90A	3500 $\pm$ 2T	20mA	$\pm 1\%$	10 Ω	20-20KHz	Permalloy	Φ 3.5power plug	104g