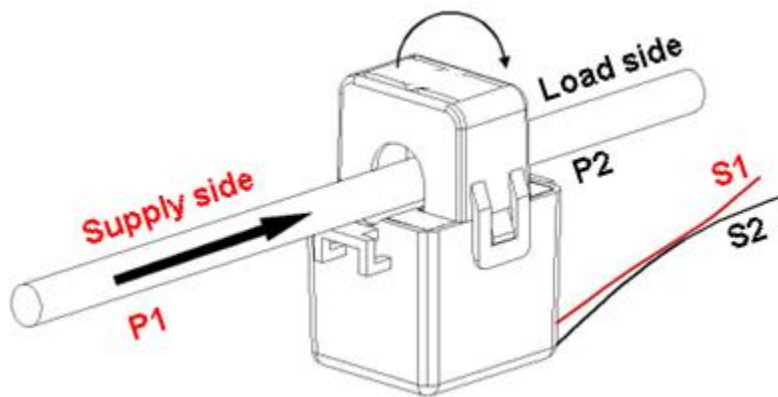


# SCT SPLIT CORE CURRENT TRANSFORMER

## 1. DESCRIPTION

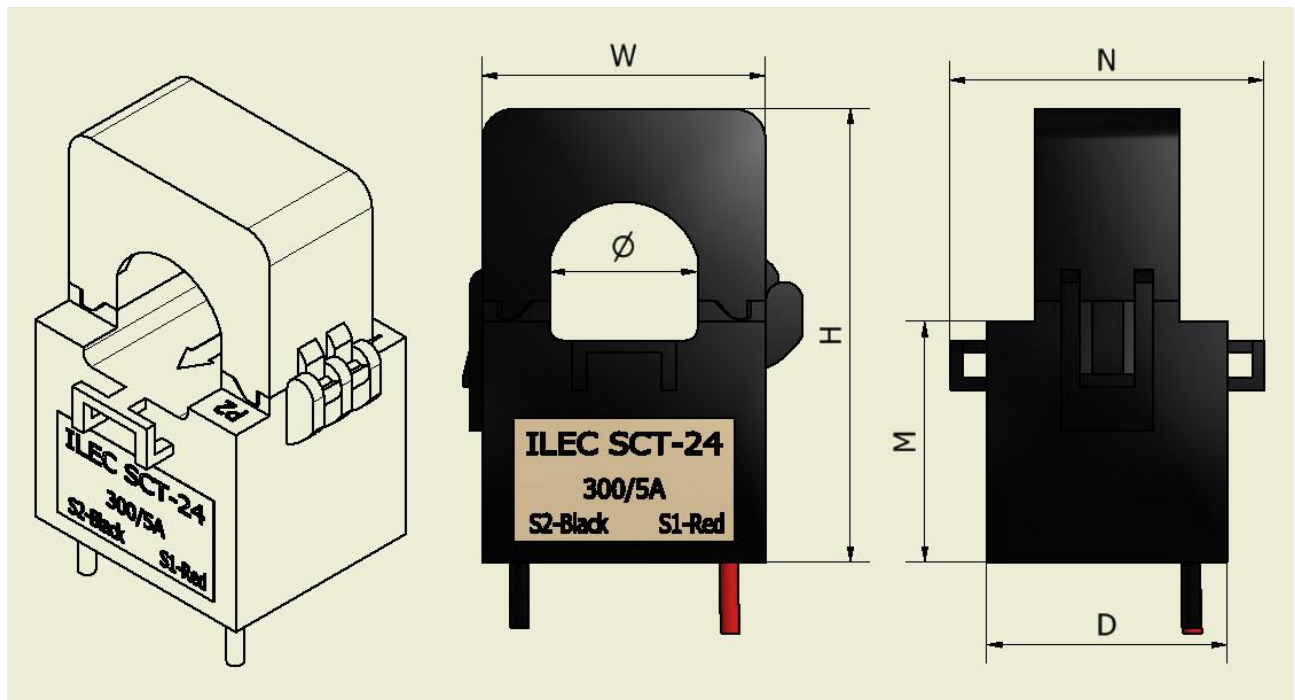
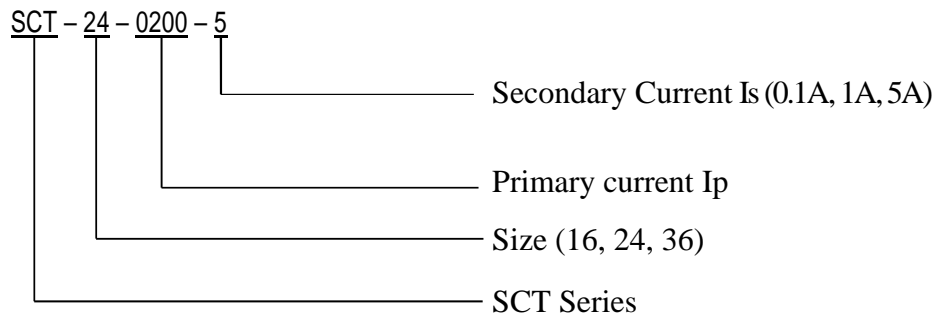
The SCT series current transformer has been specially designed to facilitate their installation in new or already existing networks. It is mainly used to measure the current with high accuracy and low cost. It is not recommended for power and energy measurement because the phase angle error is large and the power is small. The connection of conventional CTs usually requires the interruption of the primary side circuit to pass cables or bus-bars through the transformer core or to connect such cables to the primary terminals. The Split CT may be installed and connected without any supply interruption. Thus, saving time and the installation costs.



## 2. GENERAL SPECIFICATIONS

➤ Rated Frequency	50/60Hz
➤ Rated insulation voltage	3kV AC. (1 min)
➤ Rated short-time thermal current ( $I_{th}$ )	$60I_n / 1s$
➤ Rated dynamic current ( $I_{dyn}$ )	$2.5I_{th}$
➤ Rated voltage ( $U_n$ )	0.66kV AC.
➤ Continuous current ( $I_d$ )	$1.2I_n$
➤ Operating temperature	$-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$
➤ Housing self-extinguishing class	V0
➤ Primary current	From 20 to 1000A
➤ Secondary current	100mA, 1A and 5A
➤ Current Accuracy	CL1.0, CL0.5
➤ Phase Angle Accuracy	CL1.0 and CL3
➤ Environment	Indoor

### 3. PRODUCT CODE STRUCTURE AND OVERAL DIMENSION



Type	W (mm)	H (mm)	D (mm)	M (mm)	N (mm)	Φ (mm)
SCT-16	39	46	20	24	38	16
SCT-24	55	70.5	39	36	52	24
SCT-36	66	81.5	42	40	55.5	35
SCT-50	79	110	60	40	66	48

#### 4. ORDERING CODE AND TECHNICAL SPECIFICATIONS

<b>MODEL</b>	<b>RATIO (Ip / Is, (A))</b>	<b>BURDEN (VA) C1 1.0</b>	<b>BURDEN (VA) C1 0.5</b>	<b>ORDERING CODE</b>
<b>SCT-16</b>	100/0.1	1.5		SCT-16-0100-0.1
<b>SCT-24</b>	100/0.1	1.5		SCT-24-0100-0.1
	30/1	1.0		SCT-24-0030-1
	40/1	1.5		SCT-24-0040-1
	50/1	1.5		SCT-24-0050-1
	60/1	1.5		SCT-24-0060-1
	80/1	2.0		SCT-24-0080-1
	100/1	2.5		SCT-24-0100-1
	100/5	1.0		SCT-24-0100-5
	150/5	1.0		SCT-24-0150-5
	200/5	1.0		SCT-24-0200-5
	250/5	1.5		SCT-24-0250-5
	300/5	1.5		SCT-24-0300-5
	400/5	2.0		SCT-24-0400-5
	500/5	2.5		SCT-24-0500-5
	600/5	2.5		SCT-24-0600-5

<b>MODEL</b>	<b>RATIO (Ip / Is, (A))</b>	<b>BURDEN (VA) C1 1.0</b>	<b>BURDEN (VA) C1 0.5</b>	<b>ODERING CODE</b>
<b>SCT-36</b>	100/0.1	1.5		SCT-36-0100-0.1
	30/1	1.5		SCT-36-0030-1
	40/1	1.5		SCT-36-0040-1
	50/1	1.5		SCT-36-0050-1
	60/1	1.5		SCT-36-0060-1
	80/1	2.0		SCT-36-0080-1
	100/1	2.5		SCT-36-0100-1
	150/5	1.0		SCT-36-0150-5
	200/5	1.0		SCT-36-0200-5
	250/5	1.5		SCT-36-0250-5
	300/5	1.5		SCT-36-0300-5
	400/5	1.5		SCT-36-0400-5
	500/5	2.0		SCT-36-0500-5
	600/5	2.5		SCT-36-0600-5
	800/5	3.0		SCT-36-0800-5
<b>SCT-50</b>	400/5	3.75		SCT-50-0400-5
	500/5	3.75		SCT-50-0500-5
	600/5	5.0		SCT-50-0600-5
	800/5	7.5		SCT-50-0800-5
	1000/5	10		SCT-50-1000-5
	1200/5	10		SCT-50-1200-5
	1500/5	15		SCT-50-1500-5
	1600/5	15		SCT-50-1600-5



## **ILEC ELECTRIC EQUIPMENT CO., LTD**

**Address:** 76 street no 20, Tan Binh Industrial Park Expansion, Hoa Ward, Binh Tan District

**Tax code:** 0313550072

**Tel:** (84-28) 37657746 - **Email:** admin@ilec.com.vn - **Web:** ilec.com.vn - **Facebook:** ilec.com.vn