

# US-CTS SPLIT CORE CURRENT Transformer

## DESCRIPTION

US-CTS offers a complete range of high quality current transformers suitable for low voltage (LV) applications to meet customer various needs. They have a standard range plastic case transformer suitable of indoor use.



## FEATURE

- Split core molded case measuring current transformers
- Ratio ratings from 100 to 1500A

## APPLICATION

- Measuring instruments, such as ammeters, kilowatt. power factor, kilowatt-hour meters, etc
- Isolate the instruments from the power circuits.

## ORDERING INFORMATION

US-CTS Window - Current of primary / Current of secondary - Class

CODE	WINDOW	CODE	PRIMARY	CODE	PRIMARY	CODE	PRIMARY	CODE	SECONDARY	CODE	CLASS
0203	20x30 mm	0203	(20x30 mm)	0508	(50x80 mm)	0812	(80x120 mm)	5	5A	05	0.5 Class
0508	50x80 mm	0100	100A	0250	250A	0500	500A			10	1.0 Class
0812	80x120 mm	0150	150A	0300	300A	0600	600A			30	3.0 Class
		0200	200A	0400	400A	0750	750A				
		0250	250A	0500	500A	1000	1000A				
		0300	300A	0600	600A	1250	1250A				
		0400	400A	0750	800A	1500	1500A				
				1000	1000A						

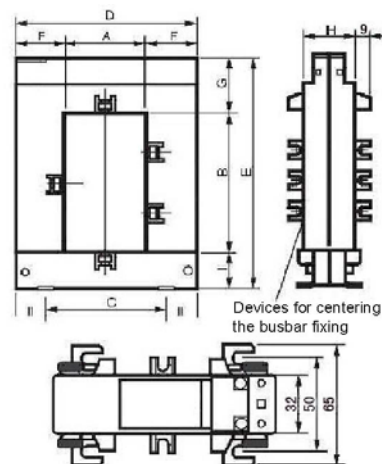
## TECHNICAL SPECIFICATION

- Ratings**
- Current of primary:** 100~1500A, please refer to the table of types
- Current of secondary:** 5A
- Accuracy:** Class 0.5/1.0/3.0 (IEC60044-1)
- Frequency:** 50 to 60 Hz
- Working voltage:** CAT III 600V
- Short-time thermal current:** 20
- Dynamic current:** 2.5
- Overload:** 120% continuously
- Dielectric strength:** AC 3.0 KV for 1 min,
- Insulation resistance:** ≥100M ohm at 500Vdc
- Thermal class:** A(105°C)
- Safety:** IEC61010,

- Environmental**
- Operating temperature:** -15~50 °C
- Operating humidity:** 20~95 %RH, Non-condensing

- Mechanical**
- Dimensions:** Please refer to the table on the right
- Housing:** PC, (UL 94V-0);
- Core Fixed:** M5.0 Screw x 2
- Terminal:** 10A/600Vac, M4.0, 18~14AWG(0.75~2.0mm<sup>2</sup>)

## RATED AND DIMENSIONS



Model NO. Dimensions	CT Ratio	Burden(VA)			Weight	
		0.5 class	1.0 class	3.0 class		
USCTS-0203- A: 20 B: 30	100/5	--	--	1.5	0.78kg	
C: 51 D: 89	150/5	--	--	3		
E: 105 F: 34	200/5	--	1.5	2.5		
G: 42 H: 40	250/5	--	1.5	3.75		
I: 32	300/5	1.5	3.75	5		
Window:20x30	400/5	2.5	5	10		
USCTS-0508- A: 50 B: 80	300/5	--	2.5	5		0.90kg
C: 78 D: 114	400/5	2.5	3.75	7.5		
E: 145 F: 32	500/5	2.5	5	10		
G: 32 H: 32	600/5	2.5	5	15		
I: 33	750/5	3.75	7.5	15		
Window:50x80	1000/5	5	10	20		
USCTS-0812- A: 80 B: 120	500/5	2.5	5	10	1.25kg	
C: 108 D: 144	600/5	2.5	5	15		
E: 185 F: 32	750/5	3.75	7.5	15		
G: 32 H: 32	1000/5	5	10	20		
I: 33	1250/5	7.5	12.5	20		
Window:80x120	1500/5	7.5	15	25		

The accuracies are base on burden of table shown. Please check the leads and loads that are under the burden shown on table.