

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.



Features

- Split core molded case measuring current transformers
- Ratio ratings from 0 to 5000A

Applications

- 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	Primary	CODE	Secondary	CODE	Class
0203	20x30 mm	0203	(20x30 mm)	0508	(50x80 mm)	0812	(80x120 mm)	0816	(80x160 mm)	5	5A	05	0.5 Class
0508	50x80 mm	0100	100A	0250	250A	0500	500A	1000	1000A			10	1.0 Class
0812	80x120 mm	0150	150A	0300	300A	0600	600A	1250	1250A			30	3.0 Class
0816	80x160 mm	0200	200A	0400	400A	0750	750A	1500	1500A				
		0250	250A	0500	500A	0800	800A	2000	2000A				
		0300	300A	0600	600A	1000	1000A	2500	2500A				
		0400	400A	0750	750A	1250	1250A	3000	3000A				
				1000	1000A	1500	1500A	4000	4000A				
								5000	5000A				

Technical Specification

Ratings

Current of primary: 100~5000A, 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: $\geq 100M\Omega$ at 500Vdc
 Thermal class: A(105°C)
 Safety: IEC61010

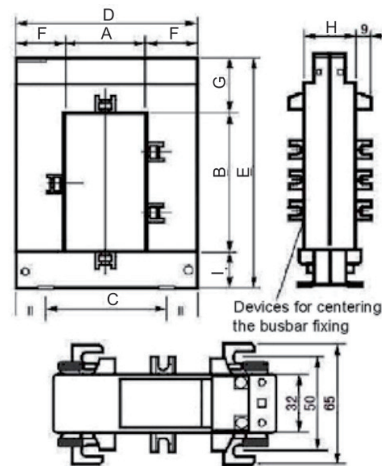
Environmental

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(0.75~2.0mm²)

Dimensions



Unit:mm

US-CTS

Model NO. Dimensions	CT Ratio	Burden(VA)			Weight
		0.5 class	1.0 class	3.0 class	
USCTS-0203- A: 20 B: 30 C: 51 D: 89 E: 105 F: 34 G: 42 H: 40 I: 32 Window:20x30	100	--	--	1.5	0.78kg
	150	--	--	3	
	200	--	1.5	2.5	
	250	--	1.5	3.75	
	300	1.5	3.75	5	
	400	2.5	5	10	
USCTS-0508- A: 50 B: 80 C: 78 D: 114 E: 145 F: 32 G: 32 H: 32 I: 33 Window:50x80	250	--	--	4	0.90kg
	300	--	2.5	5	
	400	2.5	3.75	7.5	
	500	2.5	5	10	
	600	2.5	5	15	
	750	3.75	7.5	15	
	1000	5	10	20	
USCTS-0812- A: 80 B: 120 C: 108 D: 144 E: 185 F: 32 G: 32 H: 32 I: 33 Window:80x120	500	2.5	5	10	1.25kg
	600	2.5	5	15	
	750	3.75	7.5	15	
	800	3.75	7.5	15	
	1000	5	10	20	
	1250	7.5	12.5	20	
	1500	7.5	15	25	
USCTS-0816- A: 80 B: 160 C: 120 D: 176 E: 247 F: 48 G: 48 H: 52 I: 38 Window:80x160	1000	10	15	20	4.4kg
	1250	12.5	15	25	
	1500	15	20	25	
	2000	15	20	30	
	2500	15	20	30	
	3000	20	25	30	
	4000	20	25	30	
	5000	20	30	40	

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