

# CTS SPLIT CORE POWER QUALITY CURRENT TRANSFORMER MINI SERIES

Split current transformers for the measurement of AC loads and Power Quality analysis



The split current transformers **CTS Split Core Current Transducer Mini Series** suitable for the measurement of AC loads, are equipped with a snap-on, screwless mounting system. The ideal solution for an easy and time saving installation of the Electrex instruments avoiding to disconnect the primary cables. The high accuracy, even at low currents / powers, makes possible to be used also for the management of the Power Quality. The **CTS DC Hall** series for the measurement of the DC current is also available.

- Product range from 100 to 500A with a 1A secondary
- Accuracy class 0,5, 1, 3%
- Snap-on, screwless mounting system
- Protection on the opening of the secondary circuit
- Comply with EN61010-1, IEC 60044-1
- Non flammable plastic case / shield

## Technical Specifications CTS 24-100

Nominal current.....	100A AC
Maximum applicable current .....	120A AC
Internal hole diameter .....	24 mm
Operating Frequency .....	10-5K Hz
Nominal load .....	0,2VA
External dimensions of the shell in mm	
..... width 45, height 76, depth 36	
Non flammable shell material .....	P.P. UL-94V-0
Insulation resistance.....	higher than 100MΩ at 500V
Insulation voltage .....	AC 2200V/1 minute
..... (between the output terminal and the shell)	
Accuracy Class .....	1

## Technical Specifications CTS 35-200

Nominal current.....	200A AC
Maximum applicable current .....	240A AC
Internal hole diameter .....	35 mm
Operating Frequency .....	10-5K Hz
Nominal load .....	0,2VA
External dimensions of the shell in mm	
..... width 63, height 94, depth 40	
Non flammable shell material .....	P.P. UL-94V-0
Insulation resistance.....	higher than 100MΩ at 500V
Insulation voltage .....	AC 2200V/1 minute
..... (between the output terminal and the shell)	
Accuracy Class .....	1

## Technical Specifications CTS 35-400

Nominal current.....	400A AC
Maximum applicable current .....	480A AC
Internal hole diameter .....	35 mm
Operating Frequency .....	10-5K Hz
Nominal load .....	0,2VA
External dimensions of the shell in mm	
..... width 63, height 94, depth 40	
Non flammable shell material .....	P.P. UL-94V-0
Insulation resistance.....	higher than 100MΩ at 500V
Insulation voltage .....	AC 2200V/1 minute
..... (between the output terminal and the shell)	
Accuracy Class .....	1

## Technical Specifications CTS 24-100 (PFC0411)

Nominal current.....	100A AC
Maximum applicable current .....	240A AC
Internal hole diameter .....	24 mm
Operating Frequency .....	10-5K Hz
Nominal load .....	0,5VA
External dimensions of the shell in mm	
..... width 45, height 75, depth 34	
Non flammable shell material .....	P.P. UL-94V-0
Insulation resistance.....	higher than 100MΩ at 500V
Insulation voltage .....	AC 3000V/1 minute
..... (between the output terminal and the shell)	
Accuracy Class .....	3

### Technical Specifications CTS 24-200

Nominal current..... 200A AC  
 Maximum applicable current ..... 240A AC  
 Internal hole diameter ..... 24 mm  
 Operating Frequency ..... 10-5K Hz  
 Nominal load ..... 0,5VA  
 External dimensions of the shell in mm  
 ..... width 45, height 75, depth 34  
 Non flammable shell material .....P.P. UL-94V-0  
 Insulation resistance..... higher than 100MΩ at 500V  
 Insulation voltage .....AC 3000V/1 minute  
 ..... (between the output terminal and the shell)  
 Accuracy Class ..... 1

### Technical Specifications CTS 24-250

Nominal current..... 250A AC  
 Maximum applicable current ..... 300A AC  
 Internal hole diameter ..... 24 mm  
 Operating Frequency ..... 10-5K Hz  
 Nominal load ..... 1,0VA  
 External dimensions of the shell in mm  
 ..... width 45, height 75, depth 34  
 Non flammable shell material .....P.P. UL-94V-0  
 Insulation resistance..... higher than 100MΩ at 500V  
 Insulation voltage .....AC 3000V/1 minute  
 ..... (between the output terminal and the shell)  
 Accuracy Class ..... 1

### Technical Specifications CTS 36-300

Nominal current..... 300A AC  
 Maximum applicable current ..... 360A AC  
 Internal hole diameter ..... 36 mm  
 Operating Frequency ..... 10-5K Hz  
  
 Nominal load ..... 1,5VA  
 External dimensions of the shell in mm  
 ..... width 57, height 92, depth 40  
 Non flammable shell material .....P.P. UL-94V-0  
 Insulation resistance..... higher than 100MΩ at 500V  
 Insulation voltage .....AC 3000V/1 minute  
 ..... (between the output terminal and the shell)  
 Accuracy Class ..... 1

### Technical Specifications CTS 36-500

Nominal current..... 500A AC  
 Maximum applicable current ..... 600A AC  
 Internal hole diameter ..... 36 mm  
 Operating Frequency ..... 10-5K Hz  
 Nominal load ..... 0,5VA  
 External dimensions of the shell in mm  
 ..... width 57, height 92, depth 40  
 Non flammable shell material .....P.P. UL-94V-0  
 Insulation resistance..... higher than 100MΩ at 500V  
 Insulation voltage .....AC 3000V/1 minute  
 ..... (between the output terminal and the shell)  
 Accuracy Class ..... 0,5

### How to order

Type	Code
CTS 24-100 SPLIT CORE CURRENT TRANSFORMER MINI SERIES.....	PFC0300
CTS 35-200 SPLIT CORE CURRENT TRANSFORMER MINI SERIES.....	PFC0310
CTS 35-400 SPLIT CORE CURRENT TRANSFORMER MINI SERIES.....	PFC0320
CTS 24-100 SPLIT CORE CURRENT TRANSFORMER MINI SERIES.....	PFC0411
CTS 24-200 SPLIT CORE CURRENT TRANSFORMER MINI SERIES.....	PFC0415
CTS 24-250 SPLIT CORE CURRENT TRANSFORMER MINI SERIES.....	PFC0420
CTS 36-300 SPLIT CORE CURRENT TRANSFORMER MINI SERIES.....	PFC0425
CTS 36-500 SPLIT CORE CURRENT TRANSFORMER MINI SERIES.....	PFC0430

Subject to modification without prior notice  
 Data sheet CTS Split Core Current Transducer Mini Series 2020 - 07 - 29-ENG

Distributor
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