

# SOLID CORE CURRENT TRANSFORMERS

## SECONDARY 5A

### COMMON TECHNICAL FEATURES

Enclosure: ABS Self-extinguishing case

Current to the Secondary: 5 A (other on request)

Working Frequency: 40-60 Hz

Dynamic Nominal Current Of Short Circuit ( $I_{din}$ ):

2,5 I ter per 1 sec - Max peak value that the CT can bear having the secondary in short circuit

Thermal Nominal Current Of Short Circuit ( $I_{ter}$ ): 40-

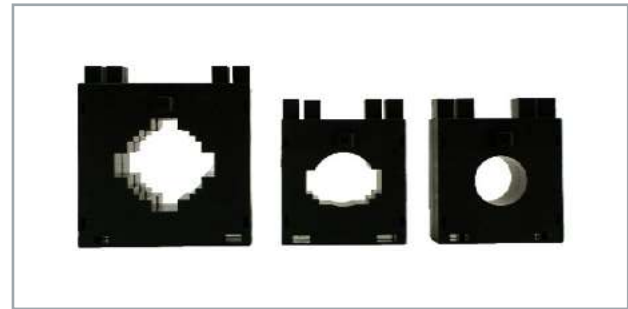
80 Ipn per 1 sec - Max effective value with secondary in short circuit

Standing Overcurrent: 1,2 In

Voltage Insulating Reference:

0,72kV Maximum Voltage Value

Testing Voltage: 3kV a 50 Hz per 1 min., max voltage value, between primary and secondary



**Safety Value:**  $N \leq 5$  Saturation Factor ( $S_f$ ) or ratio between primary current value (that cause the magnetic core saturation), and the nominal current value. the lower is the n value the higher is the instrument protection

**Working Temperature:**  $-25^{\circ}\text{C} \dots +50^{\circ}\text{C}$

**Storage Temperature:**  $-40^{\circ}\text{C} \dots +80^{\circ}\text{C}$

**Max Temp Of The Passing Cable:**  $70^{\circ}\text{C}$

**Relative Humidity:** 90% max, not condensing

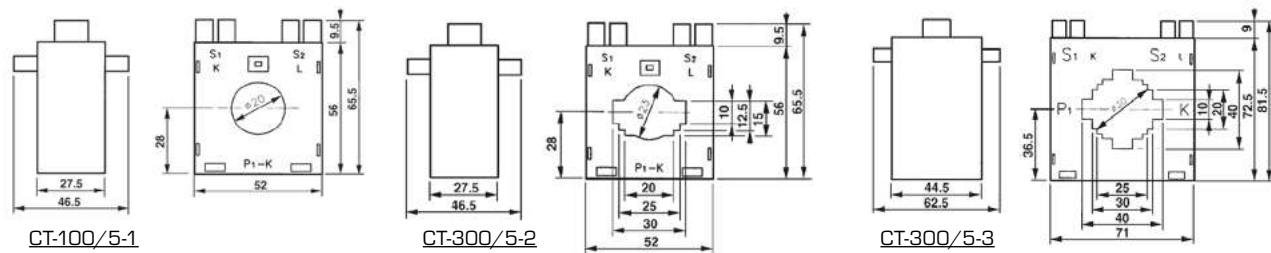
**Insulation On Air:** E class

**Protection Degree:** IP 30

**Construction Standard:** Cei 38-1, Iec 185,

Vde 0414, En60044-1, En60044-1

### DIMENSIONS



MODEL	Primary Current	Cl. 0,5 VA	Cl. 1 VA	Order Code
CT-xxx/5-1	50 A	-	-	CT-50/5-1
CT-xxx/5-1	100 A	-	1,5	CT-100/5-1
CT-xxx/5-1	150 A	1,5	4	CT-150/5-1
CT-xxx/5-2	200 A	1,5	3	CT-200/5-2
CT-xxx/5-2	300 A	1,5	3	CT-300/5-2
CT-xxx/5-3	300 A	4	6	CT-300/5-3
CT-xxx/5-3	500 A	6	10	CT-500/5-3
CT-xxx/5-3	800 A	8	15	CT-800/5-3
CT-xxx/5-3	1000 A	10	20	CT-1000/5-3