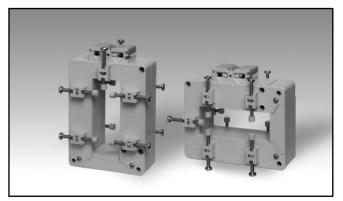
# Accessories AC Solid-core Current Transformer Type CTD-8V / CTD-8H ( max 30x80 mm)





- Bus-bar type solid- core current transformer
- Class 0.5 accuracy
- Currents from 150 A to 2500 A
- Up to 10 Bus-bar isolated fixing screws
- Double screw terminals (up to 8-wire connections)
- Sealable terminal block covers

#### **Product Description**

Solid-core current transformer with bus-bar mounting facility.

Rated primary currents from 150 A to 2500 A.

Ordering Key	CTD-8V	1500 5	SA XXX
Model —			$\top$
Primary current —			
Secondary current —			_
Option			

#### **Type Selection**

Model		Primary current	Secondary current	Option
	vertical mounting horizontal mounting	From 150A to 2500A (Refer to the Range Table)	1A (on request) 5A	XXX: none XTX: tropicalization

### **Input Specifications**

Operating frequency	48 to 62 Hz
Max. system voltage	0.72 kV
Rated insulation level	3 kV/1 min. @ 50 Hz
Insulation class	E (max 75°C)
Short-time current rating I <sub>th</sub> I <sub>dyn</sub>	Typical 100 I <sub>n</sub> /1 s 2.5 I <sub>th</sub> The short-time thermal current I <sub>th</sub> is anyway limited by the cable/bus-bar size
Extended current rating	Refer to the Range Table
Security factor (FS)	≤ 5 (Class: 0.5, 1 and 3)

# **General Specifications**

Standards	According to EN60044-1
Housing	ABS, self-extinguishing: UL 94 V-0
Mounting	Bus-bar mounting
Standard accessories	Two terminal block screws. Ten bus-bar fixing screws. Ten plastic caps for bus-bar fixing screws. Two sealable terminal block covers.
Special features	1 A secondary current, Tropicalization

Working temperature	-25°C to: refer to the Range Table (-13°F to: refer to the Range Table) (R.H. < 90% non condensing @ 40°C)
Storage temperature	-30°C to +70°C (-22°F to 158°F) (R.H. < 90% non condensing @ 40°C)
Approvals	CE. cURus and CSA (150A to 1000A)
Connection Cable cross section area	Screw type From 1.5 to 6 mm² Min/Max screws tightening torque relevant to terminal block screws: From 1 to 2 Nm Max screws tightening torque relevant to the cable/bus-bar fixing screws: 0,3 Nm
Protection degree	IP00 (without sealable terminal covers) IP20 (with sealable terminal block covers + wire terminals)
Bus-bar size	Max. 30x80 mm
Weight	From 450 to 700 g

# **Output Specifications**

Rated secondary current

5 A or 1 A



#### **Range Table**

Model CTD-8V and CTD-8H from 150A to 750A					
Primary Current	Temperature	Extended current rating	Burden (VA)		
Α			CL 0.5	CL 1	CL 3
150	(@60°C/140°F)	120%	-	-	2
200	(@60°C/140°F)	120%	-	-	4
250	(@60°C/140°F)	120%	-	-	5
300	(@60°C/140°F)	120%	-	2	6
400	(@60°C/140°F)	120%	3	5	8
500	(@60°C/140°F)	120%	5	7	10
600	(@60°C/140°F)	120%	6	10	12
700	(@60°C/140°F)	120%	6	10	12
750	(@60°C/140°F)	120%	8	12	15

Mod	Model CTD-8V and CTD-8H from 800A to 2500A				
Primary Current	Temperature	Extended current rating	Burden (VA)		/A)
Α			CL 0.5	CL 1	CL 3
800	(@60°C/140°F)	120%	8	12	15
1000	(@50°C/122°F)	120%	10	15	20
1200	(@50°C/122°F)	120%	12	15	20
1250	(@50°C/122°F)	120%	12	15	20
1500	(@50°C/122°F)	100% (+)	15	20	25
1600	(@50°C/122°F)	100% (*)	15	20	25
2000	(@50°C/122°F)	100% (*)	20	25	30
2500	(@40°C/104°F)	100% (*)	25	30	40

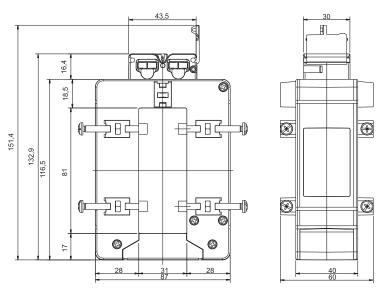
(\*) A max overload of 120% for 1 min. every 30 min. is allowed. (+) A continuous overload of 120% of the range is allowed @ amb.

**Benefits** 



- Bridging of current transformer output without changing the connection of the secondary, so to avoid any output overvoltage during either the maintenance or the installation procedure (see figure 1).
- Easy output and earth connection (see fig. 2).
- Screw terminals compatible with any kind of wire terminals (see figure 3-4-5-6).

### **Dimensions Vertical mounting (mm)**



# **Dimensions Horizontal mounting (mm)**

# **Wiring Diagram**

