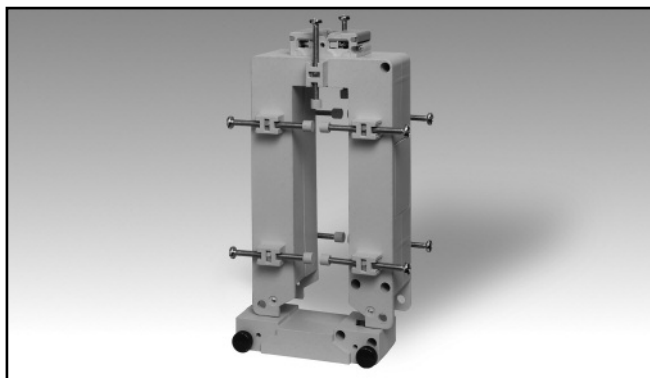


Accessories

AC Split-Core Current Transformer

Type CTD-10S (max 50x126 mm)

CARLO GAVAZZI



- Bus-bar type split-core current transformer
- Class 1 accuracy
- Currents from 400 A to 4000 A
- Up to 10 Bus-bar isolated fixing screws
- Double screw terminals (up to 8-wire connections)
- Sealable terminal block covers
- Sealable fixing split-core screws

Product Description

Split-core current transformer with bus-bar mounting facility. Rated primary currents from 400 A to 4000 A.

Ordering Key CTD-10S 4000 5A XXX

Model _____
 Primary current _____
 Secondary current _____
 Option _____

Type Selection

Primary current	Secondary current	Option
From 400A to 4000A (Refer to the Range Table)	1A (on request) 5A	XXX: none XTX: tropicalization (on request)

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_{th} I_{dyn}	Typical 100 I_n / 1 s 2.5 I_{th} The short-time thermal current I_{th} is anyway limited by the cable/bus-bar size
Extended current rating	120%
Security factor (FS)	≤ 5 (Class: 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 +60°C (-13°F to 140°F) (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
Connection Cable cross section area	Screw type From 1.5 to 6 mm ² 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 (with sealable terminal covers) IP20 (with sealable terminal block covers + wire terminals)
Bus-bar size	Max. 51x125 mm
Weight	From 450 to 700 g

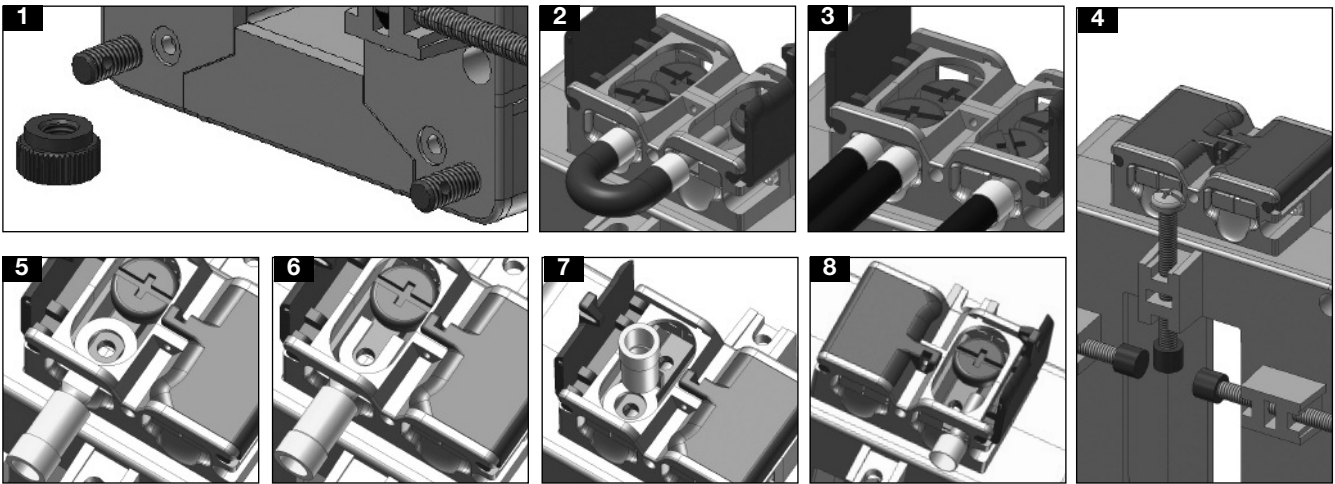
Output Specifications

Rated secondary current	5 A or 1 A
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Range Table

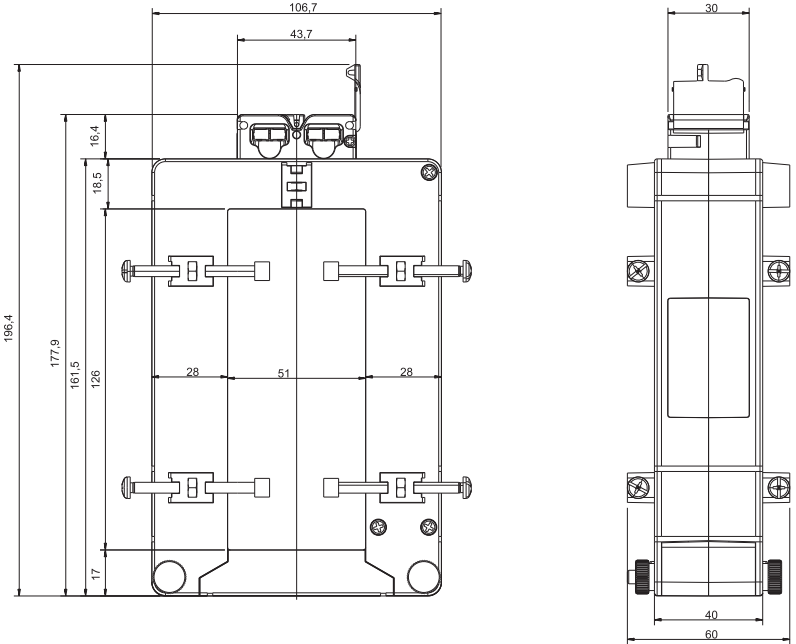
Model CTD-10S from 400A to 1200A			Model CTD-10S from 1250A to 4000A		
Primary Current	Burden (VA)		Primary Current	Burden (VA)	
A	CL 1	CL 3	A	CL 1	CL 3
400	1	7	1250	15	25
500	3	10	1500	20	30
600	5	12	1600	20	30
700	8	15	2000	25	40
750	10	15	2500	30	50
800	10	15	3000	30	50
1000	12	20	3200	30	50
1200	15	25	4000	30	50

Benefits



- Easy way to open and close the CT core by the dedicate seleable screws (see figure 1).
- 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 2).
- Easy output and earth connection (see fig. 3).
- Multiple screws provided with isolation cap screws to grant a strong and reliable fixing of the current transformer to the bus-bar (see figure 4).
- Screw terminals compatible with any kind of wire terminals and protection of screw terminals using specific sealable covers to assure always the best safety (see figure 5-6-7-8).

Dimensions (mm)



Wiring Diagram

