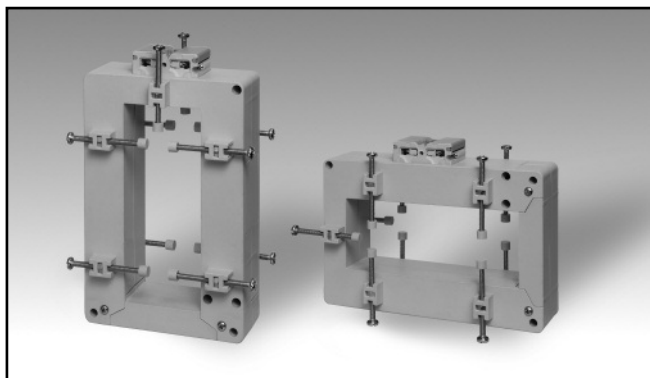


Accessories

AC Solid-core Current Transformer

Type CTD-9V / CTD-9H (max 35x125 mm)

CARLO GAVAZZI



- Bus-bar type solid-core current transformer
- Class 0.5 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

Product Description

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

Ordering Key

CTD-9V 4000 5A XXX

Model _____
 Primary current _____
 Secondary current _____
 Option _____

Type Selection

Model	Primary current	Secondary current	Option
CTD-9V: vertical mounting	From 400A to 4000A	1A (on request)	XXX: none
CTD-9H: horizontal mounting	(Refer to the Range Table)	5A	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_{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: 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 +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 (without sealable terminal covers) IP20 (with sealable terminal block covers + wire terminals)
Bus-bar size	Max. 35x125 mm
Weight	From 450 to 700 g

Output Specifications

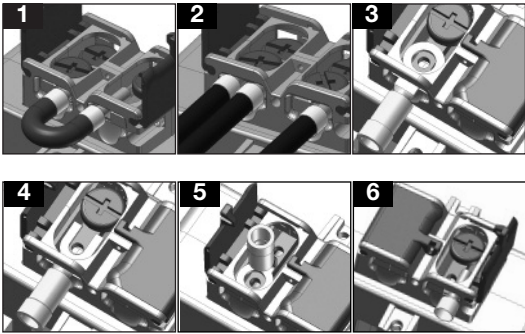
Rated secondary current	5 A or 1 A
-------------------------	------------



Range Table

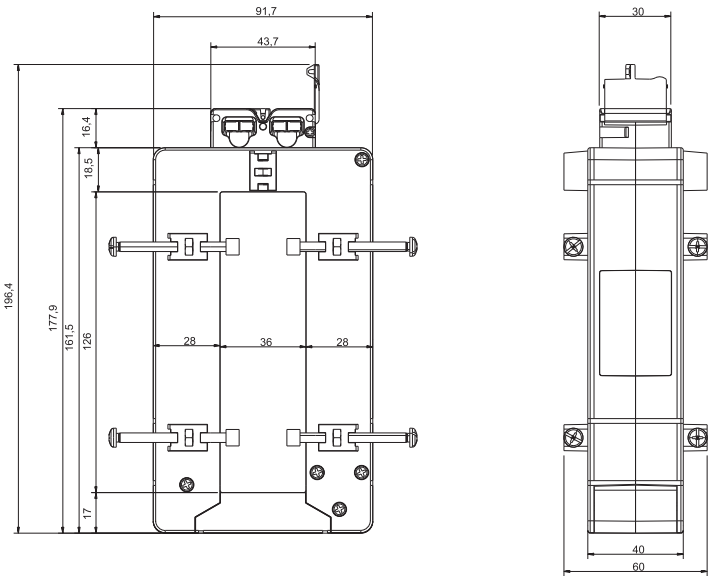
Model CTD-9V and CTD-9H from 400A to 1200A				Model CTD-9V and CTD-9H from 1250A to 4000A			
Primary Current	Burden (VA)			Primary Current	Burden (VA)		
A	CL 0.5	CL 1	CL 3	A	CL 0.5	CL 1	CL 3
400		3	6	1250	8	12	15
500	2	4	8	1500	10	15	18
600	4	6	10	1600	10	15	18
700	4	8	10	2000	15	20	24
750	4	8	10	2500	20	25	30
800	4	8	10	3000	25	30	35
1000	6	10	13	3200	25	30	35
1200	8	12	15	4000	25	30	35

Benefits

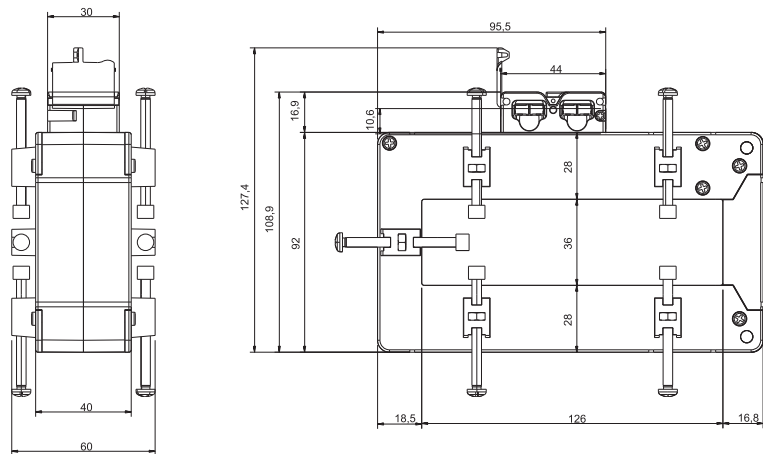


- Bridging of current transformer output without changing the connection of the secondary, so to avoid any output overvoltage during either the maintenance or the installation procedure (see figure 1).
- Easy output and earth connection (see fig. 2).
- Screw terminals compatible with any kind of wire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

Dimensions Vertical mounting (mm)



Dimensions Horizontal mounting (mm)



Wiring Diagram

