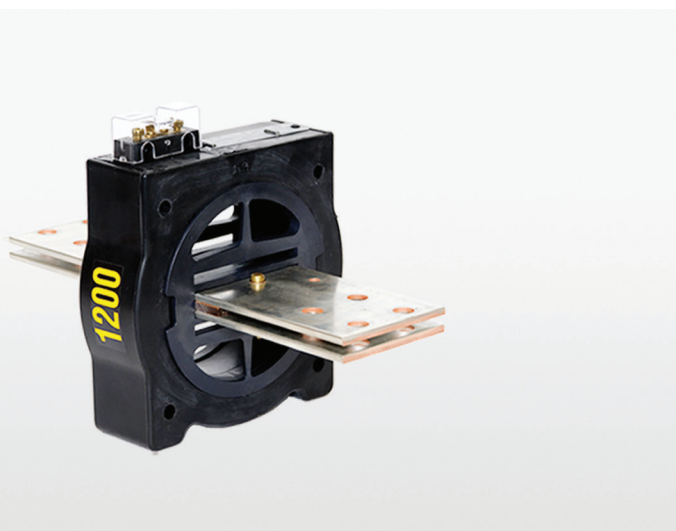


# CLC

## Indoor or outdoor current transformer



The CLC current transformer is primarily used for high current metering on low voltage systems.

### Product features

- 600 volt, indoor or outdoor
- 10 kV BIL, 25 - 60 Hertz
- 5.5" (140 mm) window opening
- Window plates and bar-types available

### Application

The CLC is primarily used for high current metering on low voltage systems and is available in single or dual ratios. It can be used with uninsulated bus bar or cable up to 600 volts, or with insulated primary conductors at higher voltages.

### Construction and insulation

The ring-type core and fully distributed winding are assembled to a glass filled polypropylene window liner and injection molded in thermoplastic rubber. The thermoplastic rubber insulating material is permanently molded to the core and coil assembly, resulting in a compact unit with excellent mechanical, thermal, and dielectric characteristics.

### Secondary terminals and cover

The CLC is supplied with embedded compression-type secondary terminals, a short circuit device, and a clear, rectangular snap-on cover suitable for locking with a meter seal. This clear plastic cover allows a

visual check of connections and is keyed to ensure the shorting clip is across the terminals when no wires are connected. This safety feature avoids dangerous voltages across the secondary terminals if the primary is energized. Terminals accommodate #14-6 wire and can also serve as a post-type connector by looping wire under the screw head.

Dual ratios are supplied with large compression-type terminals with slotted head screws and a similar short circuit device and cover. The center post also serves as a third terminal on dual ratio transformers.

### Primary

A large 5.5" window allows for multiple primary conductors. Optional Micarta® window plates are available to change the window opening to a cruciform configuration for direct bus bar sleeve mounting.

Primary bar assemblies are available for converting the CLC to a bar-type unit. These assemblies vary from a single-bar for currents up to a maximum of 1950 amperes, to a four-bar assembly for a maximum of 5100 amperes.

### Mounting

Optional four-piece mounting feet or a one-piece base are constructed of corrosion-resistant aluminum. The CLC may also be secured to a wall panel or bracket by using the mounting holes in the transformer body.

### Test reports

Test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

### Standards

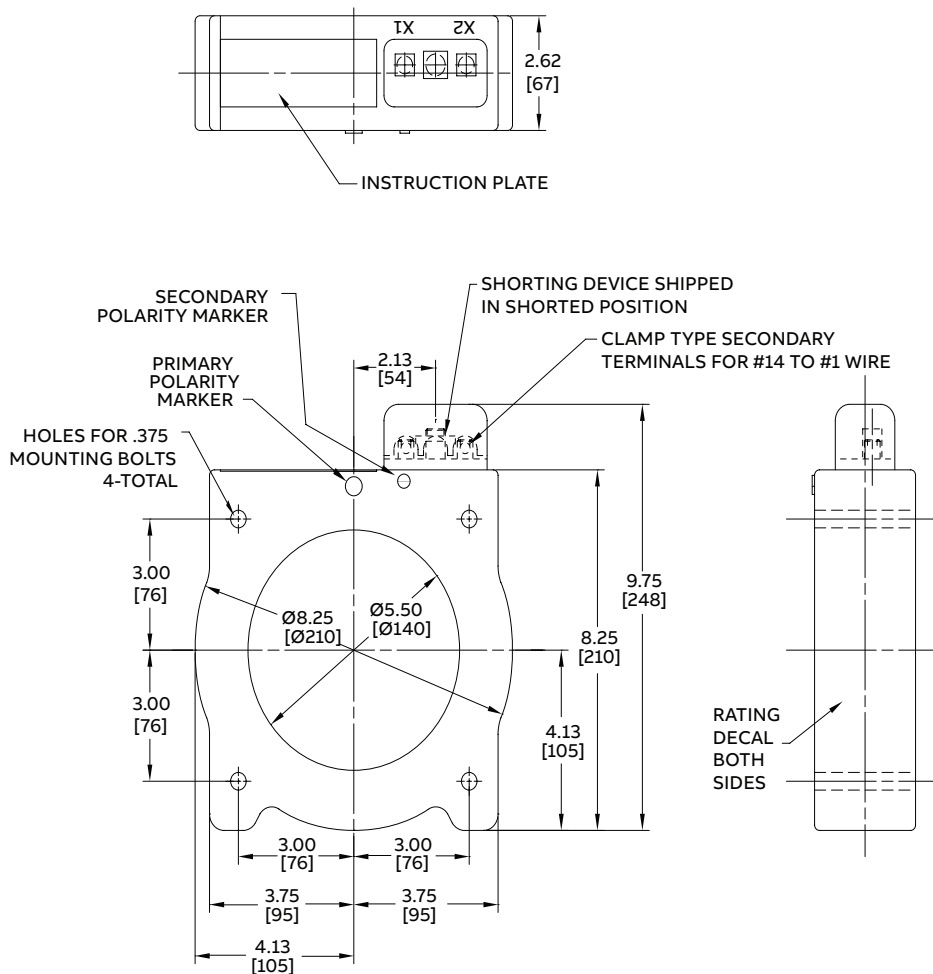
This unit meets or exceeds all requirements of IEEE C57.13-2016 and can be tested to other standards as requested.

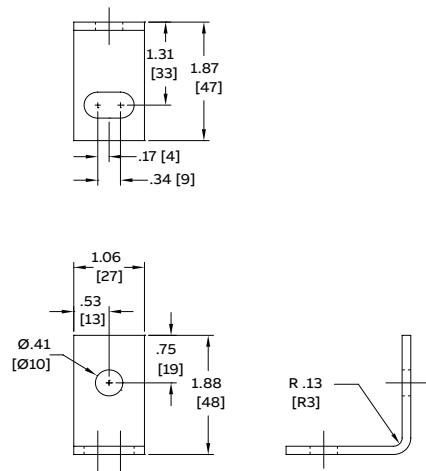
### UL Recognized Component

The CLC is a UL Recognized Component (file number E96461).

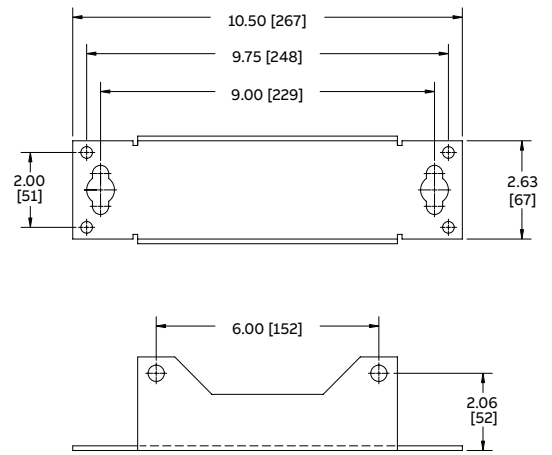
---

### Dimensions (inches [mm])

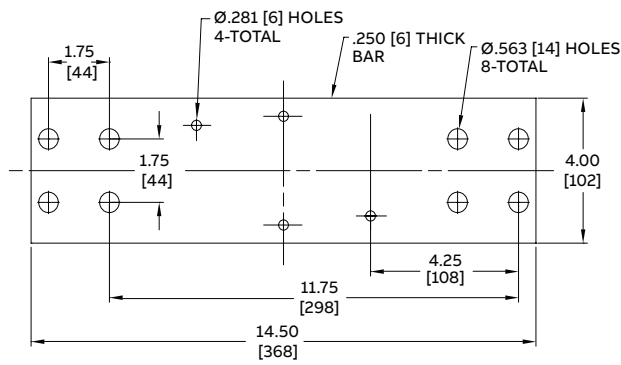




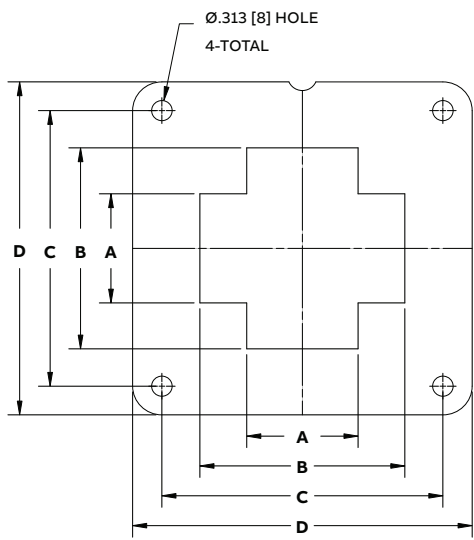
**Four-piece mounting feet**



**One-piece base**



**Bar assembly**



**Window plate**

A		B		C		D		THK	
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
2.376	60	4.376	111	6.00	152	7.50	191	0.125	3

**Selection guide: CLC with metering accuracy**

Primary ampere rating	Rating factor		IEEE metering accuracy @ 60 Hz	Style number			
	30°C	55°C		without hardware	with four-piece mounting base	with one-piece base	with window plates
600	3.0	2.2	0.3B-0.5	7524A58G16	7524A59G16	7524A60G16	7524A61G16
800	2.0	1.5	0.3B-0.5	7524A58G01	7524A59G01	7524A60G01	7524A61G01
1000	2.0	1.5	0.3B-0.5	7524A58G02	7524A59G02	7524A60G02	7524A61G02
1200	2.0	1.5	0.3B-0.9	7524A58G03	7524A59G03	7524A60G03	7524A61G03
1500	3.0	2.2	0.3B-0.9	7524A58G04	7524A59G04	7524A60G04	7524A61G04
2000	2.0	1.5	0.3B-1.8	7524A58G05	7524A59G05	7524A60G05	7524A61G05
3000	1.5	1.2	0.3B-1.8	7524A58G06	7524A59G06	7524A60G06	7524A61G06
4000	1.33	1.0	0.3B-1.8	7524A58G07	7524A59G07	7524A60G07	7524A61G07
600/1200	3.0/2.0	2.2/1.5	0.3B-0.2/0.3B-0.9	7524A58G08	7524A59G08	7524A60G08	7524A61G08
800/1600	3.0/2.0	2.2/1.5	0.3B-0.2/0.3B-1.8	7524A58G09	7524A59G09	7524A60G09	7524A61G09
1000/2000	3.0/2.0	2.2/1.5	0.3B-0.5/0.3B-1.8	7524A58G10	7524A59G10	7524A60G10	7524A61G10
1500/3000	2.0/1.5	1.5/1.2	0.3B-0.9/0.3B-1.8	7524A58G11	7524A59G11	7524A60G11	7524A61G11
2000/4000	2.0/1.33	1.5/1.0	0.3B-1.8/0.3B-1.8	7524A58G12	7524A59G12	7524A60G12	7524A61G12

\*Also available with NEMA 4-hole primary bar, baseplate, and other accessories. Contact your ABB sales representative or call +1-252-827-3212 for more information. Dual rated CTs with metering and relaying accuracy are available upon request.

**Selection guide: CLC with relaying accuracy**

Primary ampere rating	Rating factor		IEEE relaying accuracy @ 60 Hz	Style number (no hardware)
	30°C	55°C		
800	2.0	1.5	C30	923A695G01
1000	2.0	1.5	C50	923A695G02
1200	2.0	1.5	C30	923A695G03
1500	3.0	2.2	C30	923A695G04
2000	2.0	1.5	C50	923A695G05
3000	1.5	1.2	C10	923A695G06
600/1200	3.0/2.0	2.2/1.5	C10/C30	923A695G08
800/1600	3.0/2.0	2.2/1.5	C30/C60	923A695G09
1000/2000	3.0/2.0	2.2/1.5	C30/C50	923A695G10

\*Also available with NEMA 4-hole primary bar, baseplate, and other accessories. Contact your ABB sales representative or call +1-252-827-3212 for more information. Contact your ABB sales representative or call +1-252-827-3212 for more information.

Dual rated CTs with metering and relaying accuracy are available upon request.

**Optional accessories**

Accessory	Style number
Mounting feet (set of four with hardware)	9628A05G20
One-piece base	9628A05G21
Window plate (one required)	9628A05G22
Primary bar assemblies:	
1950 amperes (max)	1 bar 9628A05G23
3200 amperes (max)	2 bars 9628A05G24
4200 amperes (max)	3 bars 9628A05G25
5100 amperes (max)	4 bars 9628A05G26

ABB Inc.  
3022 NC 43 North  
Pinetops, NC 27864  
Phone: +1 252 827 3212

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Inc. Copyright © 2021 ABB  
All rights reserved