

Rogowski Coil RC1352

I_{PN} = 1000Arms

Features

- . Isolated plastic case recognized according to UL 94-V0.

Advantage

- . Suitable to measure hundreds of kA
- . High linearity
- . Non-intrusive, no power drawn from the main
- . Very useful with large size or awkward shaped conductors or in places with limited access
- . No danger from open-circuited secondary
- . Not damaged by large overloads

Applications

- . Energy management
- . Harmonics and transients monitoring
- . Power Meter and Power Analyzer sensor


Application domain

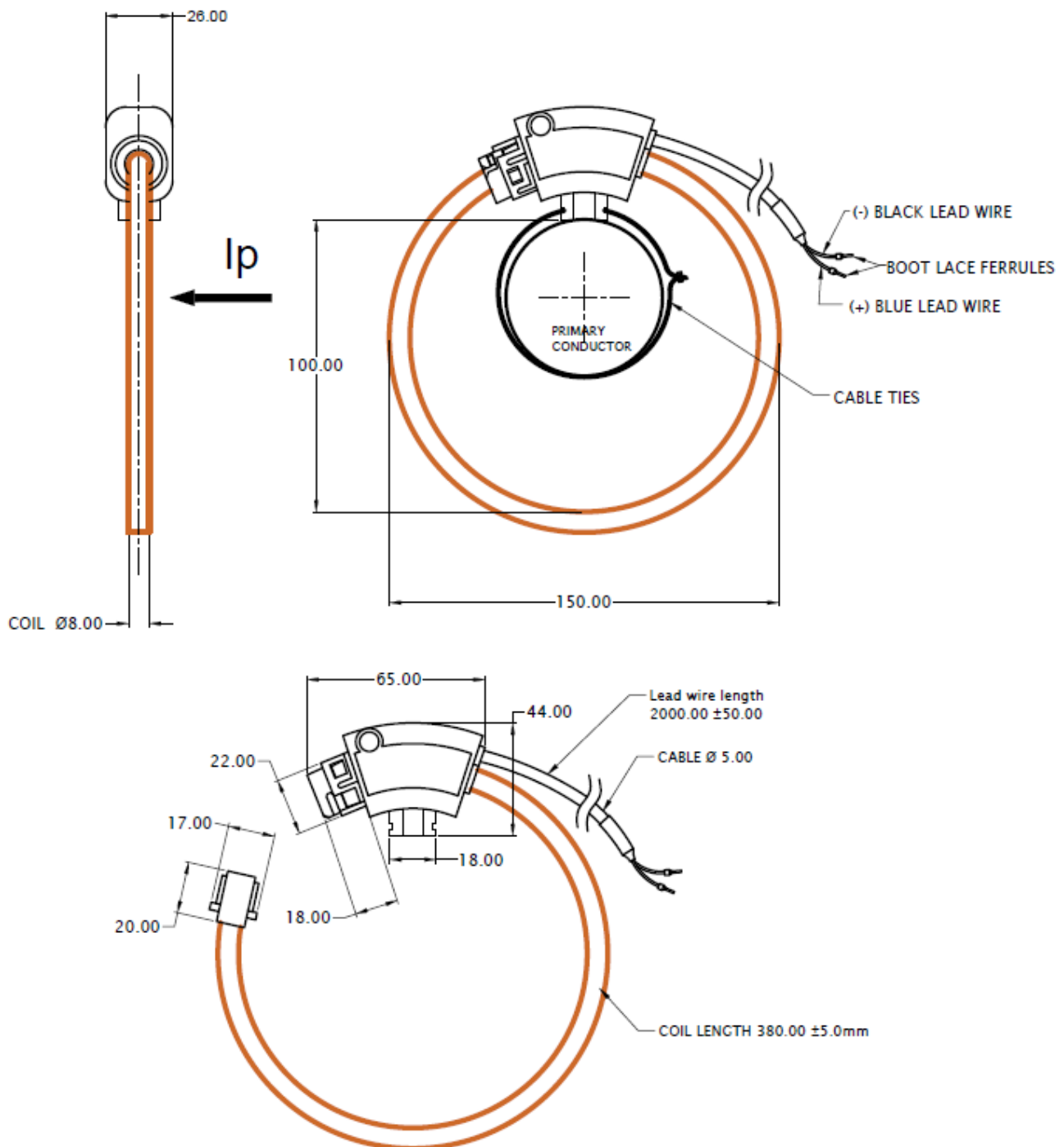
- . Commercial
- . Industrial

Specifications @ 25°C

Parameters	Symbol	Value	Unit
Primary current nominal	I _n	1000	Arms
Operating Frequency	f	50/60	Hz
Primary current maximum	I _m	100	kArms
Secondary turns	N _s	---	---
Secondary winding resistance	R _{dc}	---	Ω
Output at nominal primary current	V _{out}	100	mVrms
Recommended Secondary Burden resistance	R _b	10	kΩ
Amplitude Error	AE	≤1.0	%
Phase Error	PE	≤0.5	°
Position error		±1.0%	%
Bandwidth	dB	1Hz to 100kHz (-3dB)	dB
Operating Temperature range	T _o	-30 to +80	°C
Storage temperature range	T _s	-40 to +90	°C
Dielectric strength 50Hz , 60 Seconds		3.0	kVrms

Mechanical dimensions

GENERAL TOL. ± 1.00mm	
ALL DIMENSIONS ARE IN 'mm'	SCALE -NTS



Notes:

- The start & finish of the CT will be as shown in the figure, when primary current flows in the direction of Arrow.
- It is recommended to centrally locate the current carrying conductor for optimum performance.

Safety



- When operating the Rogowski Coil, primary busbar can carry hazardous voltage.