

## Rogowski Coil RC1352

$I_{PN} = 1000A_{rms}$



### 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

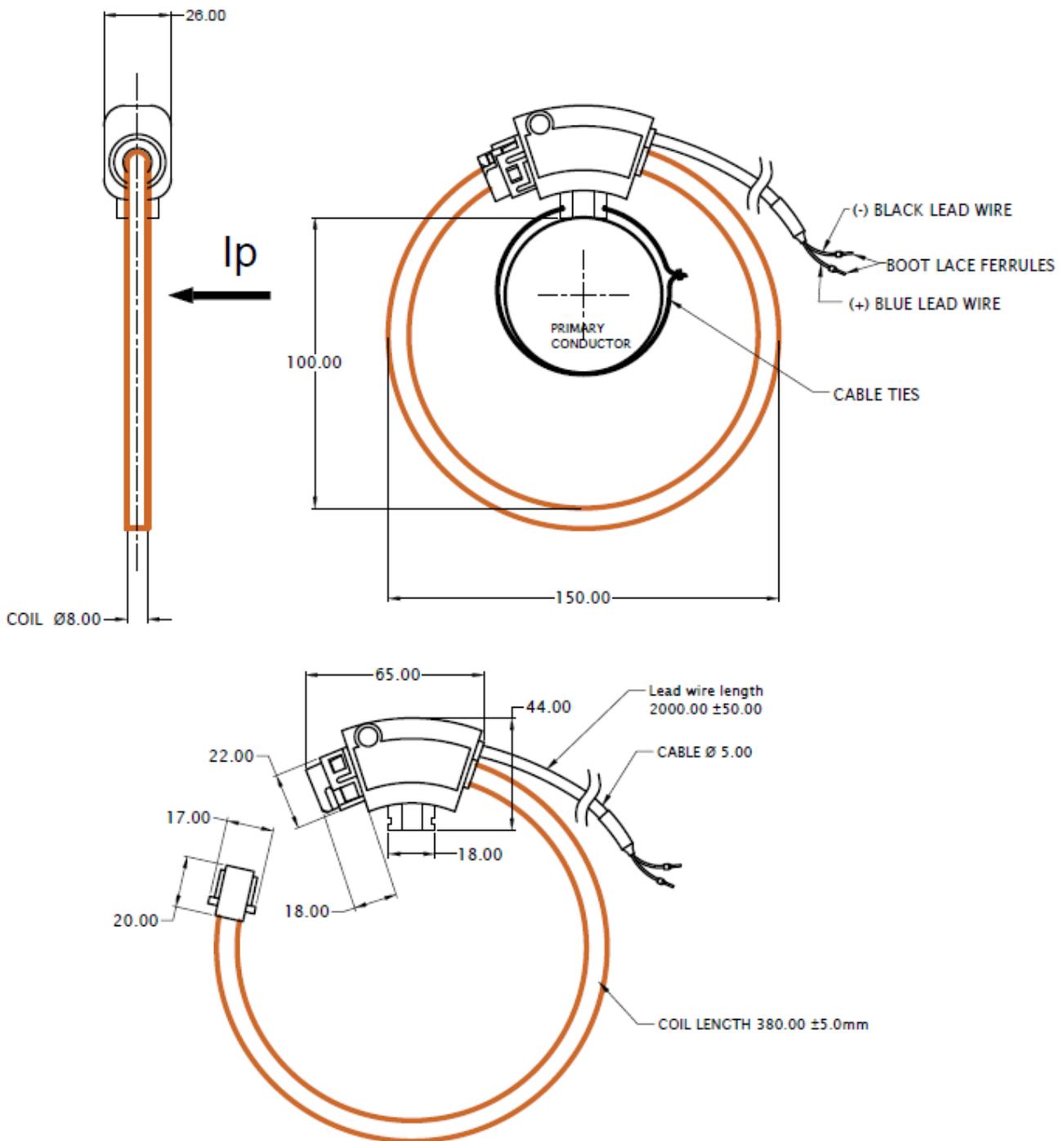
- . Commercial
- . Industrial

### 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	$R_{dc}$	---	$\Omega$
Output at nominal primary current	$V_{out}$	100	mVrms
Recommended Secondary Burden resistance	$R_b$	10	$k\Omega$
Amplitude Error	AE	$\leq 1.0$	%
Phase Error	PE	$\leq 0.5$	$^\circ$
Position error		$\pm 1.0\%$	%
Bandwidth	dB	1Hz to 100kHz (-3dB)	dB
Operating Temperature range	$T_o$	-30 to +80	$^\circ C$
Storage temperature range	$T_s$	-40 to +90	$^\circ C$
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.