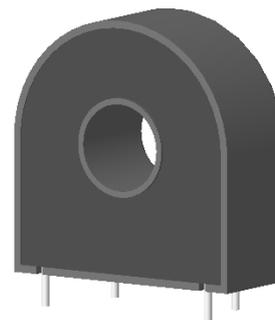


$I_{PN} = 100A$



Representative image only

**Features**

- Low amplitude error & phase error

**Applications**

- Metering application
- Relay application

**Advantage**

- Excellent accuracy
- Very good linearity
- Low temperature drift

**Application domain**

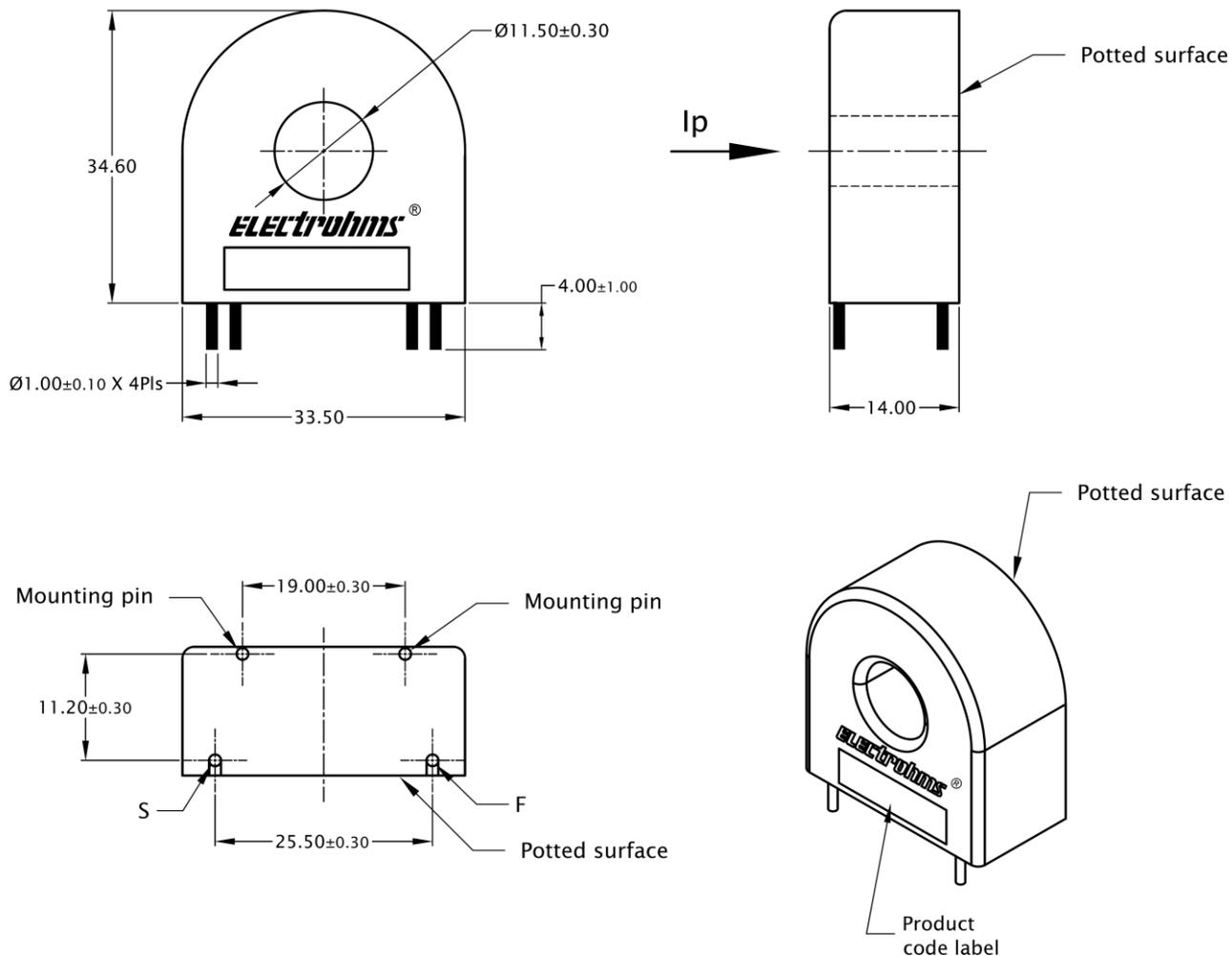
- Commercial
- Industrial

**Specifications @ 25°C**

Parameters	Symbol	Value	Units
Primary current range	$I_p$	1-100	Arms
Operating frequency	f	50/60	Hz
Half sine wave rectified, current amplitude	----	---	---
Secondary turns	$N_s$	2500	
Secondary winding resistance	$R_s$	37 - 47	$\Omega$
Recommended secondary burden resistance	$R_b$	7.5	$\Omega$
Output voltage @ 100Arms	$V_o$	0.3	Vrms
Amplitude error	AE	+/-0.1	%
Phase error	PE	<0.2	$^\circ$
Inductance @ 0.3Vrms, 100Hz, parallel mode	L	$\geq 93$	H
Operating temperature range	$T_{opr}$	-40 to +85	$^\circ C$
Storage temperature range	$T_{stg}$	-40 to +85	$^\circ C$
Dielectric strength between rod inserted in the primary opening and secondary terminals, @ 50Hz, 60 seconds	$V_d$	4.0	kVrms
Mass	m	35	g

Amplitude error (AE) and phase error (PE) values are guaranteed with recommended secondary burden resistance values. Contact ELECTROHMS design group for use of burden other than recommended secondary burden resistance.

**Mechanical dimensions**



Tolerance unless otherwise specified

0.5 up to 3 in mm	3 up to 6 in mm	6 up to 30 in mm	30 up to 120 in mm	120 up to 400 in mm	400 up to 1000 in mm	ALL DIMENSIONS ARE IN 'mm'	
± 0.20	± 0.30	± 0.50	± 0.80	± 1.20	± 2.0	SCALE -NTS	

Termination Details	
S	Start
F	Finish

**Notes:**

- The start & finish of the CT will be as shown in the figure, when primary current flows in the direction of arrow.
- Also available with UL approved materials on request.
- **This transformer operates below 50V AC rms and hence exempt of LV directive. No CE marking required.**

**Safety**



- When operating the current transformer, primary busbar can carry hazardous voltage.
- Risk of electrical shock when current transformer is operated with secondary in open condition with primary winding energised.

**General information**

Electrohms reserves the right to make modifications on products for improvements without prior notice.