# Current Transformer CT1273-A1-RC

$I_{PN}$ = 100A


## Features
- Low amplitude error & phase error
- All relevant materials are UL approved

## Applications
- Metering application
- Relay application

## Advantage
- Excellent accuracy
- Very good linearity
- Low temperature drift

## Application domain
- Commercial
- Industrial

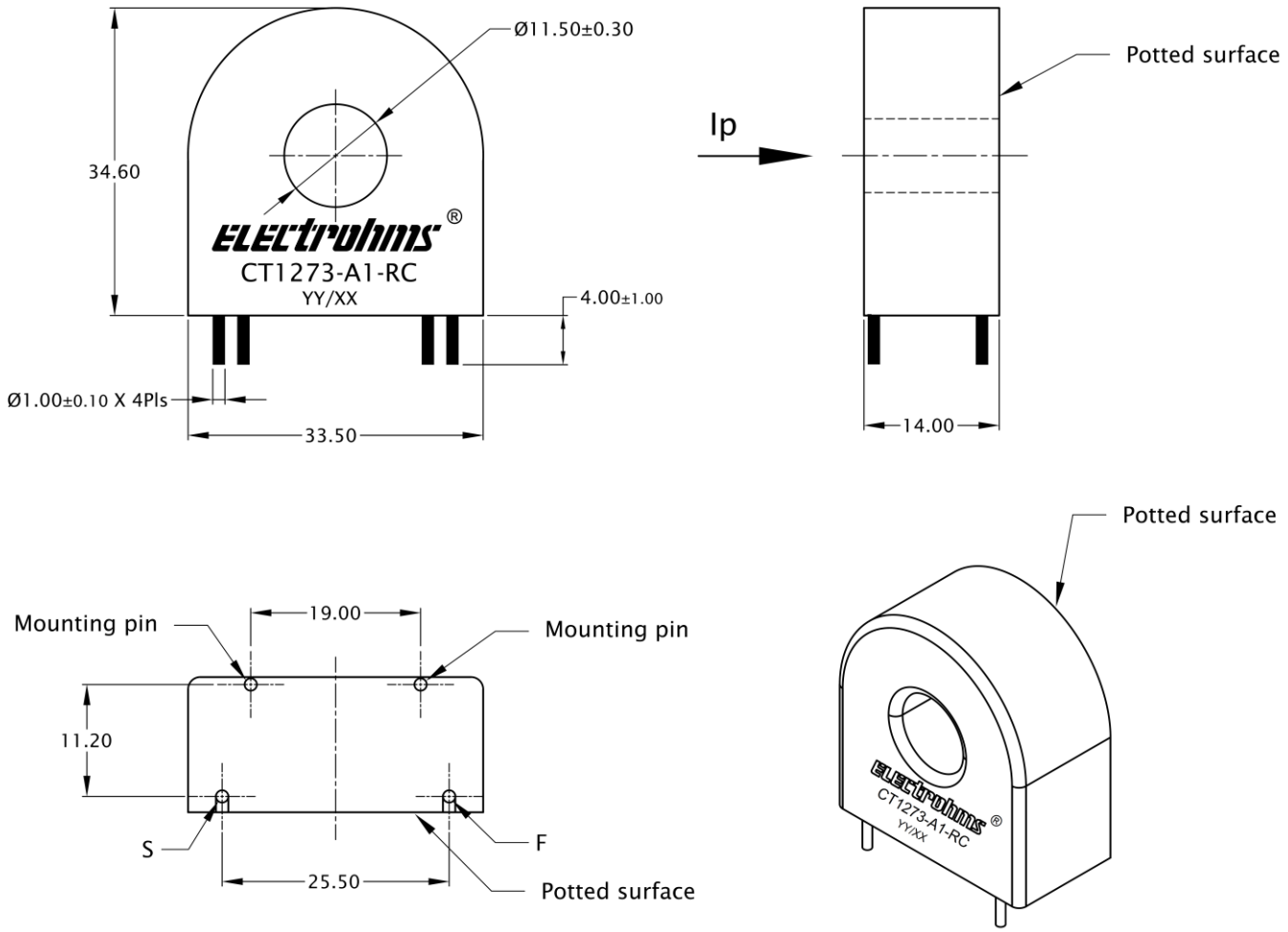
## Specifications @ 25°C

| 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 | Ω |
| Recommended secondary burden resistance | $R_b$ | 7.5 | Ω |
| Amplitude error | AE | +/-0.1 | % |
| Phase error | PE | <0.2 | ° |
| Inductance @ 0.3Vrms, 100Hz, parallel mode | L | ≥ 93 | H |
| Operating temperature range | $T_{opr}$ | -40 to +85 | °C |
| Storage temperature range | $T_{stg}$ | -40 to +85 | °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

| GENERAL TOL. ± 0.50 mm | |
|---|---|
| ALL DIMENSIONS ARE IN 'mm' | 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.

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