

$I_{pn} = 30A$



Representative image only

Features

- -----

Applications

- Metering application
- Relay application

Advantage

- -----

Application domain

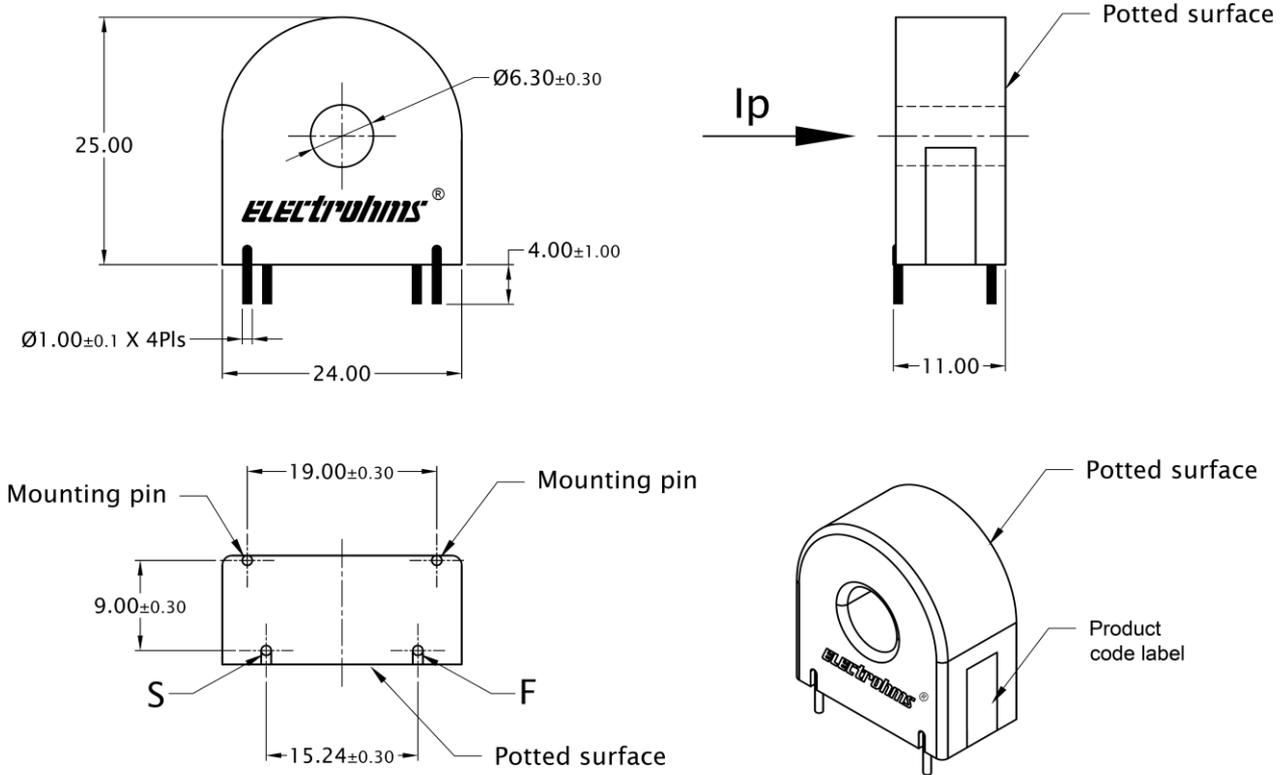
- Commercial
- Industrial

Specifications @ 25°C

| Parameters | Symbol | Value | Units |
|--|-----------|------------|------------|
| Primary current range | I_p | 0.25-30 | Arms |
| Operating frequency | f | 50/60 | Hz |
| Half sine wave rectified, current amplitude | ---- | --- | --- |
| Secondary turns | N_s | 2500 | |
| Secondary winding resistance | R_s | 132-168 | Ω |
| Recommended secondary burden resistance | R_b | 30 | Ω |
| Amplitude error | AE | +/-0.3 | % |
| Phase error | PE | <1.0 | $^\circ$ |
| Inductance @ 0.3Vrms, 100Hz, | L | ≥ 25 | H |
| Operating temperature range | T_{opr} | -10 to +60 | $^\circ C$ |
| Storage temperature range | T_{stg} | -10 to +60 | $^\circ C$ |
| Dielectric strength between rod inserted in the primary opening and secondary terminal, @ 50Hz, 60 seconds | V_d | 2.5 | kVrms |
| Mass | m | 15 | 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.

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 rights to make modifications on products for improvements without prior notice.