

$I_{pn} = 30A$ 

Representative image only

Features

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Advantage

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Applications

- Metering application.
- Relay application.

Application domain

- Commercial
- Industrial

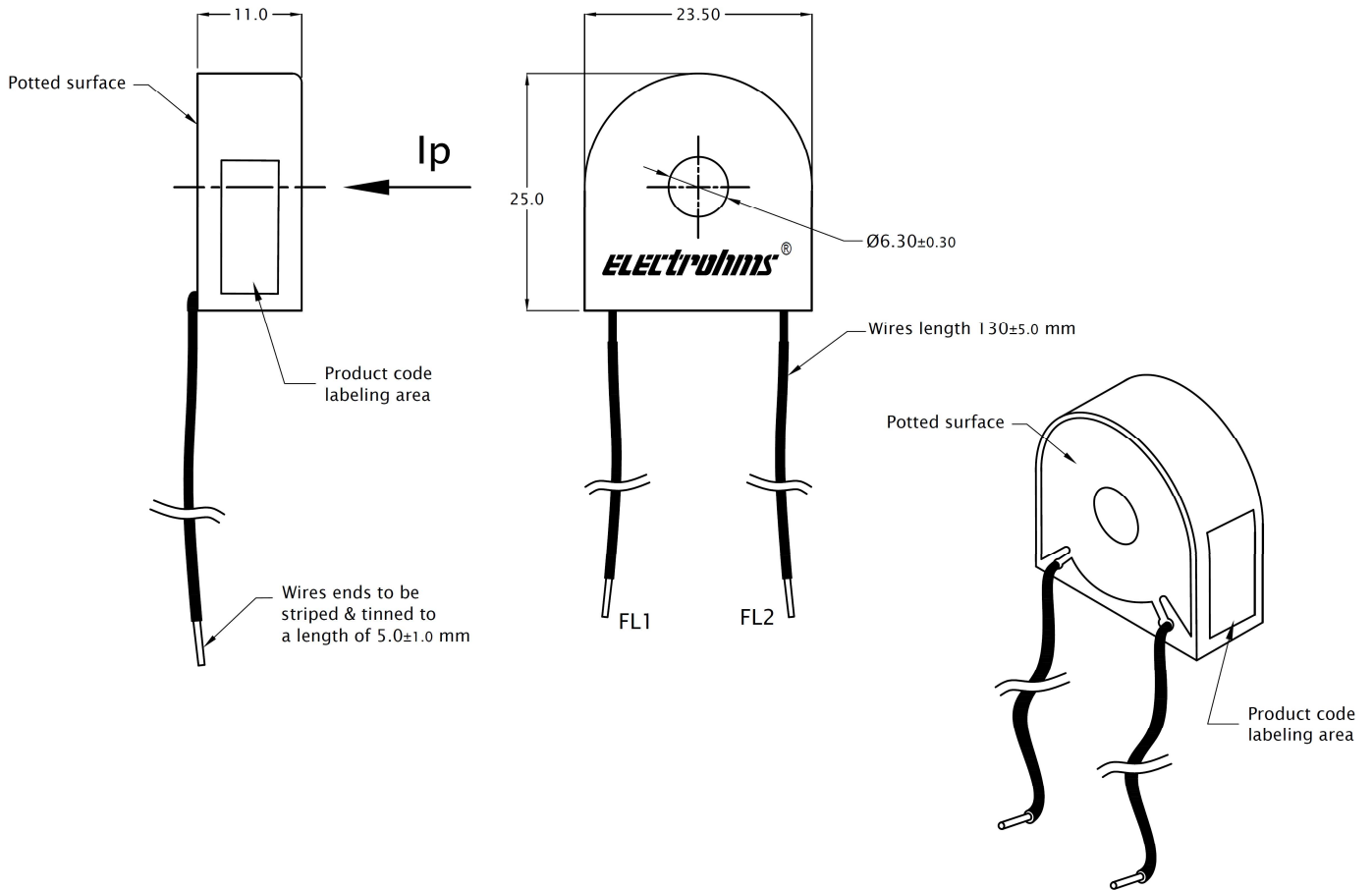
Specifications @ 25°C

| 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 | 16 | 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. ±0.5 mm | |
| ALL DIMENSIONS ARE IN 'mm' | SCALE -NTS |



| Termination Details | |
|---------------------|---|
| S (Start FL1) | PVC wire 7X0.2mm, 24AWG, Red 130 +/-5.0mm Length. ⁽¹⁾ |
| F (Finish FL2) | PVC wire 7X0.2mm, 24AWG, Black 130 +/-5.0mm Length. ⁽¹⁾ |

(1) Wire colours may change based on availability.

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