

# Leakage Current Sensor

Data Sheet

## Description

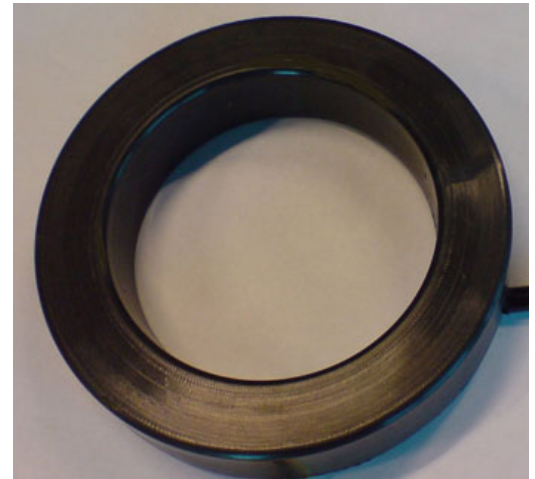
The Leakage Current Sensor is used with the AmsCurrent module or the AmsCPU-IO for detecting asymmetrical earth leakage in electrical systems. Leakage current thresholds can easily be configured to generate various alarms in Amplex software solutions - a suite of applications that runs on a central server.

## Functionality

Topic	Comments
Type	Toroidal current transformer
Usage	Outdoor
Transformer ratio	200:1
Rated leakage current	10A
Nominal current output	0-100 mA
Maximum leakage current	100A
Working voltage	Max 600 Vrms
Accuracy	±1.5%
Isolation between primary and secondary	4KV
Operating frequency	48-62 Hz

## Connections

I/O	Comments
Leadouts	<p>Leadout wire is 2-Core 2182Y round cable, 2x0.5mm<sup>2</sup> flexible wires or similar.            The wires can be:            (Blue - Brown) in black pvc sheath alternatively            (Black - Red) in gray pvc sheath            Orientation of the wires into the input on ex AmsCurrent or AmsCPU-IO is not important.            But orientation of the coil itself should be with the outgoing wire facing down. This is to prevent moisture from running down the cable and into the coil assembly            Cable is 3 meters long with 40mm sheath removed. Wire ends stripped 5mm.</p>



## Technical Specifications

### Operational specifications

Storage temp.	-40°C to +85°C
Operating temp.	-40°C to +85°C
Max humidity	95% (non-condensing)
IP grade	IP54
Weight	385 g
Dimension (ODxDxH)	1105.5 x 70.5 x 20.3 mm

### Standards and approvals

IEC 60044-1  
IEEE C57.13-1993

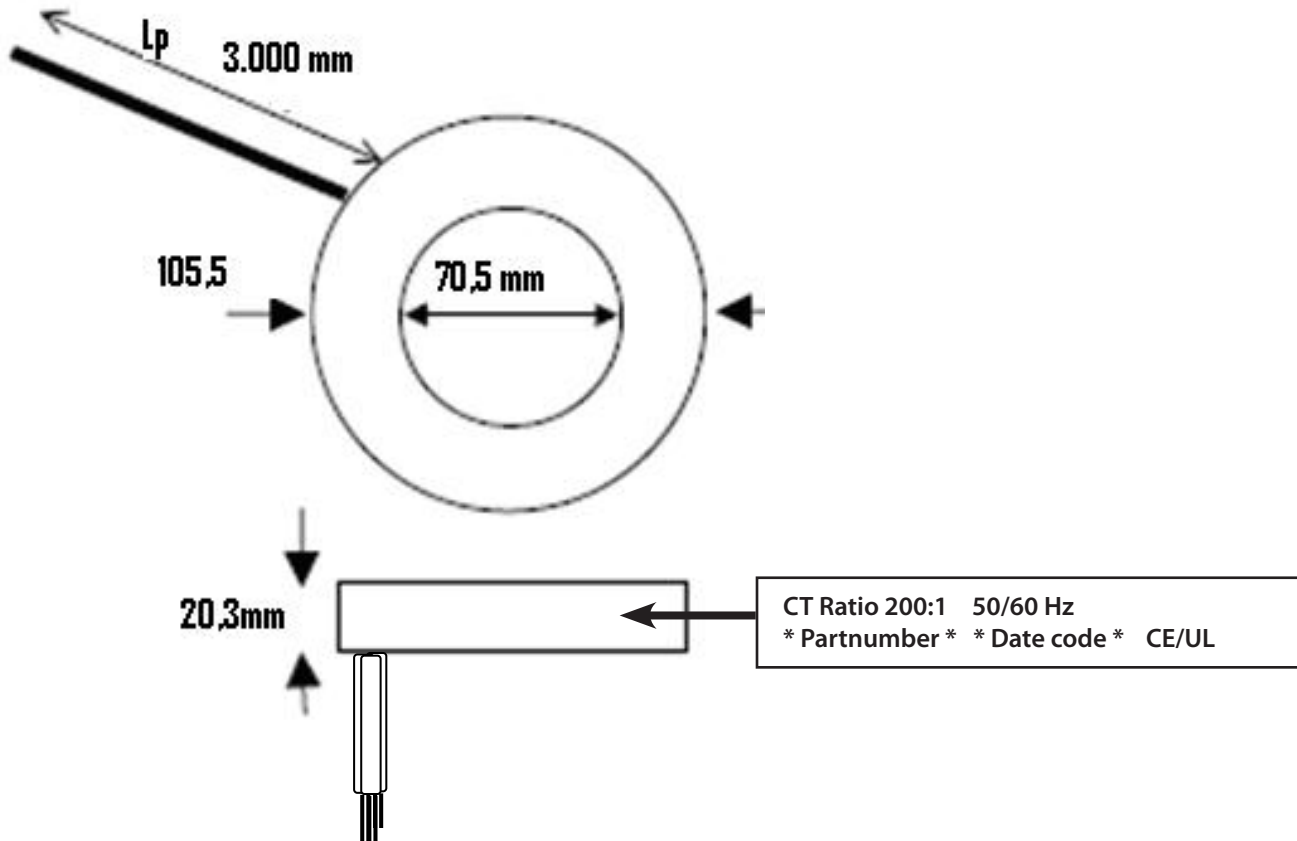


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## Drawing



## Ordering Information

Product	Order number
Leakage current sensor	200-20-000
AmsCPU-IO	100-10-002
AmsCurrent	100-20-004