

## TECHNICAL DATA SHEET

### Low voltage ECO-Sensor BECO

**Low voltage phase current sensor  
L030T-0B**

**Non-conventional -  
instrument current transformer**



#### Description

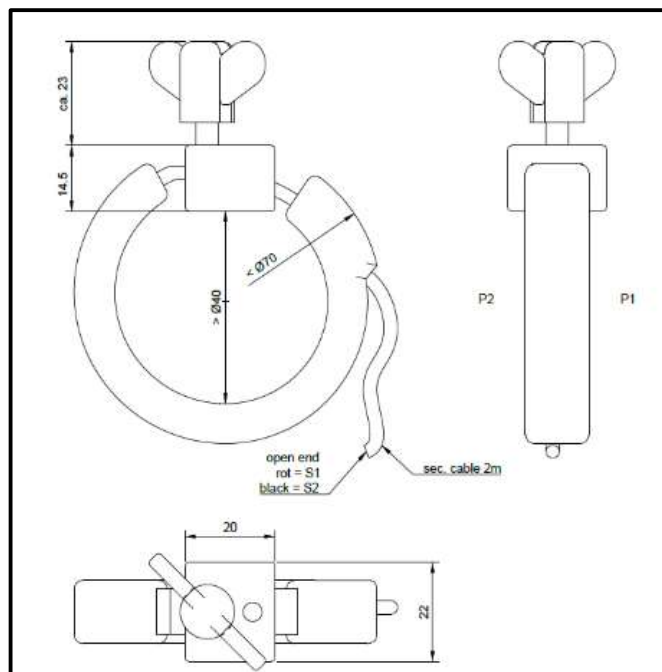
The low voltage phase current eco line sensor is an improved version of the existing low voltage current sensor line. It has a major feature, which is the flexible iron core. This enables an easy installation around cables, similar to flexible Rogowski coils but with all the advantages of an inductive principle. The product is following the IEC standard is therefore compatible to the most devices on the market.

#### Features

- Flexible core for easy installation
- No calibration on site is needed
- Class 1 acc. IEC61869-10
- Cost efficient and robust design
- Split core for retrofit installation with powered up primary conductors
- Toolless installation

#### Dimensions

The coil is fixed with an aluminium block, which is fixed on one side of the core. Second end of iron core can be fixed with a wing screw.

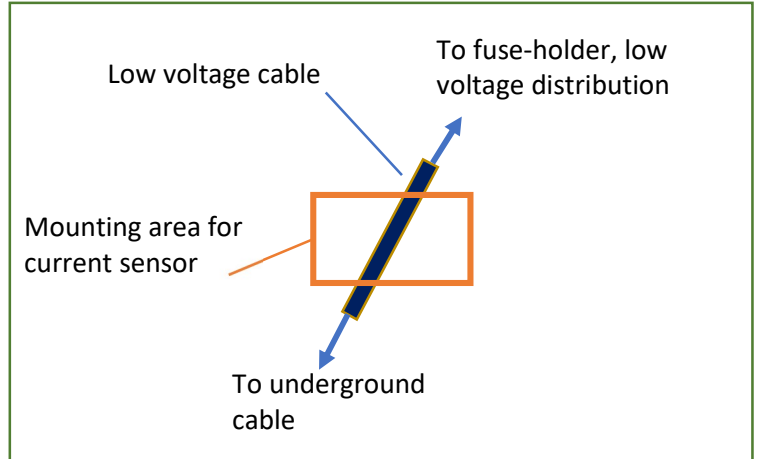


## Installation

The low voltage eco-line sensors are simple to install, the split core designs make it easy to install, where the low voltage cable is already installed and optionally with the right equipment under voltage presence.

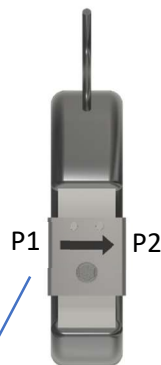
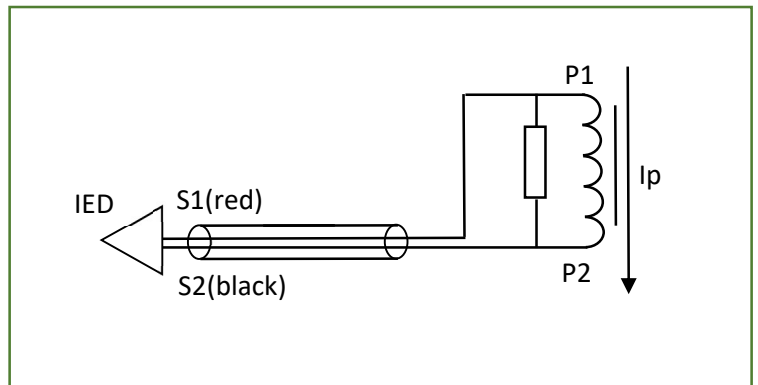
There are some important points that must be considered during the installation process:

- Follow local safety instructions
- Due to the design of this product, there is no danger of high voltages, if the sensor is not short circuited or connected to a measurement device
- Only for insulated cables or insulated areas on the T-cable connector, maximum voltage 720VAC<sub>R.M.S</sub>



## Connection

The current sensor is directly connected to a measurement device. For a full list of IED (intelligent electronic devices) contact the vendor.



Marks on the side for P1 and P2

**Pay attention to the P1, P2 marking**  
**Marks are printed on both sides of the sensor**

## Specification

Applied Standards:	IEC61869-1, IEC61869-6, IEC61869-10
Primary current:	300A, Ext. 120%
Secondary output:	225mV
Burden:	$\geq 20\text{k}\Omega$
Rated short time thermal current:	25kA, 1s
Isolation voltage:	720V <sub>AC</sub> /3kV/-
Accuracy class:	1 according IEC61869-10
Operating temperature range:	-25°C to +65°C
Storage temperature range:	-40°C to +80°C
Frequency:	50 or 60Hz
Cable:	2pole, shielded, twisted pair, 2m, open ends (red-S1, black-S2)

*10.06.2021 by Greenwood-Power*