

## Current clamps, 4 probes

111.7015

- ▶ 4 current clamps for PQ-Box  
switchable: 0..20A / 0..200A



### 1. Use

These current clamps are designed for the measurement of current up to 200 A in low voltage systems. It is also possible to use them in secondary circuit of current transformers in medium voltage systems.

### 2. Electrical Characteristics

Rated current $I_N$	:	4 x 200 A / 20A $AC_{RMS}$
Measurement range	:	0.1 – 200 $A_{RMS}$ / 0.01 – 20 $A_{RMS}$
Output	:	1mV / 10mV/A
Impedance	:	$\geq 10 \text{ k}\Omega$
Influence of conductor positioning	:	< 0.5% @ 50/60Hz
Proximity error	:	$\leq 15\text{mA} / \text{A}$ @ 50Hz
Phase shift at 2 kHz @ 10A	:	$\pm 1 \text{ Grad}$
Frequency range	:	40 Hz to 20 kHz <sup>1</sup>
Temperature coefficient	:	0.015% / °C
Permissible voltage	:	600 V $AC_{RMS}$ or DC

### 3. Accuracy

Range	20 A			200 A		
	10 to 100 mA	0.1 to 1 A	1 to 20 A	0.1 to 1 A	1 to 10 A	10 to 200 A
Primary current	± 3% + 0.1mV	± 2%	± 1%	± 2%	± 1%	± 1%
Accuracy (%)	± 3% + 0.1mV	± 2%	± 1%	± 2%	± 1%	± 1%
Angle error (typ.)	Not defined	<2°	2°	Not defined	<2°	1°

<sup>1</sup> Additional error of 1% at 20 kHz

## 4. General Properties

Max. conductor cross-section	:	diameter 15 mm, bar 15 x 17mm
Connection	:	Cable with Amphenol plug C01630H00611012
Identification resistance	:	0 Ohm (Bridge Pin 6 to 5)
Cable length	:	2 m
Operation temperature	:	-10 to +55 °C
Storage temperature	:	-20 to +70 °C
Humidity, in operation	:	15% to 85% (no condensate)
Weight	:	860g

**Reference conditions:** Temperature: +18° C to 26° C, Humidity: 20 to 75% RH, sinus current: 48 to 65Hz, Distortion factor: < 1%, DC current: no, DC magnetic field: 40 A/m Earth's magnetic field, Alternative magnetic field: no, Proximity to external conductor: no, Cable set-up: centralized, Impedance: >=10 kΩ, <100 pF, for voltage output.

## 5. Connection

Pin 1	L1 (+) black	Pin 5	L1, L2, L3, N (-) red
Pin 2	L2 (+) black	Pin 6	Bridge to Pin 5 & Pin 7
Pin 3	L3 (+) black	Pin 7	Shielding
Pin 4	(N) (+) black		

## 6. Safety Standard

EN61010-1: 1993 and correction A2: July 1995

EN61010-2-032: 1995

EN61010-2-031: 1995

600 V<sub>RMS</sub>, CAT III

300 V<sub>RMS</sub>, CAT IV

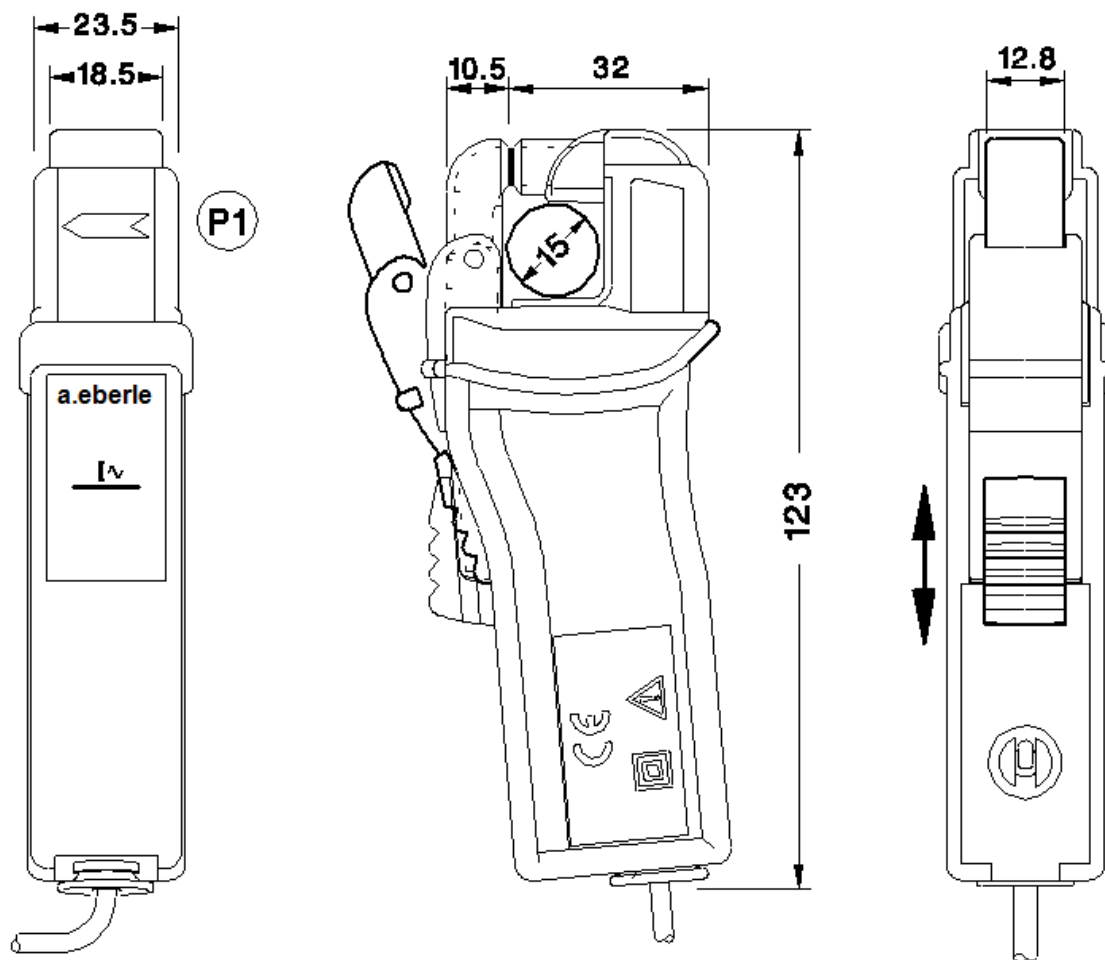
The usage of these current clamps at uninsulated conductors is limited to voltages of 600 V AC<sub>RMS</sub> or DC and frequencies up to 1 kHz.

## 7. EMC Standards

EN 61326 :1998

## 8. Dimensions

in mm



We take care of it.

---

## 9. Ordering Information

FEATURE	ORDER CODE
<b>Current clamps, 4 probes</b> ● Current clamps, 4 probes, 0...20A / 0..200A	<b>111.7015</b>

### A. Eberle GmbH & Co. KG

Frankenstraße 160  
D-90461 Nürnberg

Tel.: +49 (0) 911 / 62 81 08-0  
Fax: +49 (0) 911 / 62 81 08 96  
E-Mail: [info@a-eberle.de](mailto:info@a-eberle.de)

<http://www.a-eberle.de>

Version: 11/6/2017 1:39 PM

Copyright 2013 by A. Eberle GmbH & Co. KG  
Subject to change without notice.