Designation: Alligator Clip w/ 4 mm Banana (female) Jack (socket).

Applications: general purpose electric testing by grasping conductive parts.

Optimum jaw design to clench well a lot of various items as bar, wire, screw, PCB pin, etc.

IP2X touchproof protection on the jaws when closed and the 4 mm banana female to prevent accidental contact.

The 4 mm banana female connection complies with the 4 mm banana plugs of the worldwide most famous manufacturers.

European Union marking. Current and voltage markings.

Dimensions in millimeters.
DATA SHEET (page 2 of 2).

Designation: Alligator Clip w/ 4 mm Banana (female) Jack (socket).

**Electrical safety**


These specifications come from the creepage distances, clearances, accessible parts, and solid insulation of the clip. And the considered specifications of the environment are:

- polluting degree, 1 or 2;
- relative humidity, 80 % maximum for temperatures up to 31 °C decreasing linearly to 50 % relative humidity at +40 °C;
- temperature range, +5 °C to +40 °C;
- indoor use; and
- altitude, 2000 m maximum.

According to EN / IEC 60529. IP2X (touchproof) when the jaws are closed.

**Operating temperature range**

-20 °C min., +80 °C maxi. (please see above too).

**Conformity**

- European Directive "Low Voltage Directive" 2006/95/EC.
- European Directive "RoHS" 2011/65/EU.
- International / European standard EN / IEC 60529.

**Environment**

- "RoHS" compliant, Pb ≤ 4 % in conductor, Pb ≤ 0.1 % in insulator, Hg ≤ 0.1 %, Cr VI ≤ 0.1 %, Cd ≤ 0.01 %, PBB ≤ 0.1 %, and PBDE ≤ 0.1 %.
- REACH compliant, no substances from the candidate list of SVHC for authorisation at mass concentrations greater than 0.1 %.

**Materials**

Conductors: nickel-coated steel, tinned steel, and brass. Insulators: please contact us.

**Colors**

<table>
<thead>
<tr>
<th>Color</th>
<th>Black</th>
<th>Red</th>
<th>Yellow</th>
<th>Green</th>
<th>Blue</th>
<th>White</th>
</tr>
</thead>
</table>

**Weight**

0.023 kg.

**Origin**

Designed and manufactured in France.

**Reliability benchmark**

Year of 1st placing on the market 1995.

**Packaging**

One piece per bag.

Dimensions in millimeters.

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**Glossary:**

- **Accessible:** Able to be touched with a standard finger or test pin.
- **Basic Insulation:** Insulation of HAZARDOUS LIVE parts which provides basic protection.
- **CAT II:** Measurement or overvoltage category II. For measurement performed on / equipment connected to the building wiring.
- **CAT III:** Measurement or overvoltage category III. For measurement performed on / equipment connected to part of a building wiring installation.
- **CAT IV:** Measurement or overvoltage category IV. For measurement performed on / equipment connected to the origins of the electrical supply to a building.
- **Clearance:** Shortest distance in air between two conductive parts.
- **Creepage Distance:** Shortest distance along the surface of a solid insulating material between two conductive parts.
- **CTI:** Comparative Tracking Index of the insulating material in accordance with IEC 60112.
- **Double Insulation:** Insulation comprising both basic insulation and supplementary insulation.
- **EN / IEC 60529:** European / international standard regarding the degrees of protection provided by enclosures.
- **EN / IEC 60101-1:** European / international standard regarding the safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements.
- **EN / IEC 60101-0-31:** European / international standard regarding the safety requirements for electrical equipment for measurement, control, and laboratory use — Part 01: Safety requirements for hand-held probe assemblies for electrical measurement and test.
- **"Low Voltage Directive":** European Directive 2014/35/EU on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits. (Usually called the Low Voltage Directive.)
- **Mains:** Low-voltage electricity supply system to which the equipment concerned is designed to be connected for the purpose of powering the equipment.
- **Mains Circuit:** Circuit which is intended to be directly connected to the Mains for the purpose of powering the equipment.
- **Overvoltage Category:** Numerical defining a TRANSIENT OVERVOLTAGE condition.
- **Pollution:** Addition of foreign matter, solid, liquid or gaseous (ionized gas), that may produce a reduction of dielectric strength or surface resistivity.
- **Pollution Degree:** Numerical indicating the level of POLLUTION that may be present in the environment.
- **Pollution Degree 1:** No POLLUTION or only dry, non-conductive POLLUTION occurs, which has no influence.
- **Pollution Degree 2:** Only non-conductive POLLUTION occurs except that occasionally a temporary conductivity caused by condensation is expected.
- **Reinforced Insulation:** Insulation which provides protection against electric shock not less than that provided by DOUBLE INSULATION.
- **RoHS:** European Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
- **Solid Insulation:** Insulating materials.
- **Supplementary Insulation:** Independent insulation applied in addition to basic insulation in order to provide protection against electric shock in the event of failure of basic insulation.
- **Transient Overvoltage:** Short-duration overvoltage of a few milliseconds or less, oscillatory or non-oscillatory, usually highly damped.
- **Working Voltage:** Highest r.m.s. value of a.c. or d.c. voltage across any particular insulation which can occur when the equipment is supplied at rated voltage.

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收益率：76-126
红色：76-124
蓝色：76-1556
绿色：76-1558
白色：76-1560