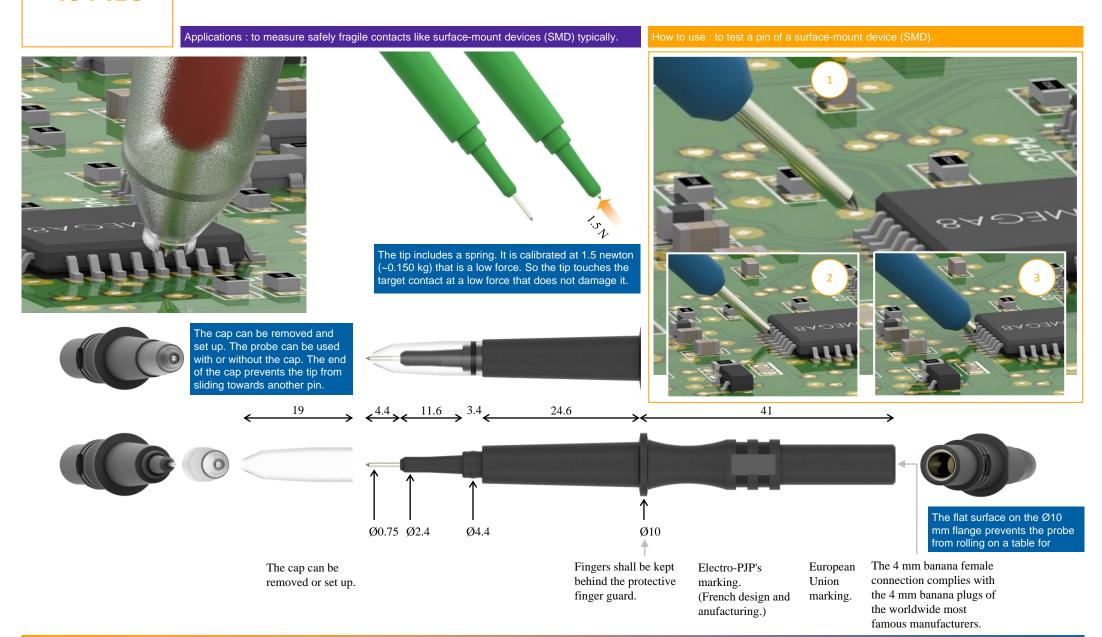


464-IEC

Designation: Damping (strength 1.5 newton) Sharp (diameter 0.75 mm) Tip Probe Body w/ 4 mm Banana (female) Jack.





Electrical safety

DATA SHEET (page 2 of 2).

According to EN / IEC 61010-031:2008. 600 V CAT II,

• International / European standard EN / IEC 61010-031:2008.

Cr VI < 0.1 %, Cd < 0.01 %, PBB < 0.1 %, and PBDE < 0.1 %.

• "RoHS" compliant, Pb ≤ 4 % in conductor, Pb ≤ 0.1 % in insulator, Hg ≤ 0.1 %,

• European Directive "RoHS" 2011/65/EU. • European REACH regulation n°1907 / 2006. **GLOSSARY:**

Designation: Damping (strength 1.5 newton) Sharp (diameter 0.75 mm) Tip Probe Body w/ 4 mm Banana (female) Jack.

reinforced insulation, 1 A (at +40 °C).



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600 V CAT II These specifications come from the creepage distances, clearances, accessible parts, and solid insulation of the product. And the considered specifications of the environment are: The probe shall not be used in • pollution degree, 1 or 2 or 3; CAT III and CAT IV environments. • relative humidity, 80 % maximum for temperatures up to 31 °C decreasing linearly to 50 The conductive tip is too long to % relative humidity at +40 °C; comply with the CAT III and CAT • temperature range, +5 °C to +40 °C; IV. The probe is rated to the CAT II only. Unfortunately the length of • indoor use : and the conductive tip furthers short-• altitude, 2000 m maximum. circuits between electric potentials. Barrier. Keep behind this barrier to While the CAT III and CAT IV operate safely the product while include higher electric energy than connecting to hazardous live voltages the CAT II. The combination of (more than 30 V AC and 60 V DC). higher risk of short-circuit and higher hazard in case of shortcircuit with the CAT III and CAT IV limits the probe to the CAT II only. Operating temperature range -20 °C mini., +80 °C maxi. (please see above too). Protection against fire According to EN / IEC 61010-031:2008. It is compatible with the requirements of protection against the spread of fire and resistance to heat by its basic insulation. • European Directive "Low Voltage Directive" 2014/35/EU. Conformity

Contact us at:

• REACH compliant, no substances from the candidate list of SVHC for authorisation at mass concentrations greater than 0.1 %. Materials Conductors: brass and steel. Insulators: please contact us. Colors Black Yellow White Green Weight 0.007 kg. Designed and manufactured in France. Origin Reliability benchmark Year of 1st placing on the market 1994.

ACCESSIBLE. Able to be touched with a standard test 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 origin of the electrical supply to a

CLEARANCE. Shortest distance in air between two conductive parts.

CREEPAGE DISTANCE. Shortest distance along the surface of a solid nsulating material between two conductive parts

CTI. Comparative Tracking Index of the insulating material in accordance

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 61010-1. European / international standard regarding the safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements.

EN / IEC 61010-031:2008. European / international standard regarding the safety requirements for electrical equipment for measurement, control and laboratory use - Part 031: Safety requirements for hand-held probe assemblies for electrical measurement and test.

"LVD". 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

MAINS CIRCUIT. Circuit which is intended to be directly connected to the MAINS for the purpose of powering the equipment.

OVERVOLTAGE CATEGORY. Numeral defining a TRANSIENT

POLLUTION. Addition of foreign matter, solid, liquid or gaseous (ionized gases), that may produce a reduction of dielectric strength or surface

POLLUTION DEGREE. Numeral 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

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 a failure of BASIC INSULATION.

TRANSIENT OVERVOLTAGE. Short duration overvoltage of a few nilliseconds or less, oscillatory or non-oscillatory, usually highly damped.

WORKING VOLTAGE. Highest r.m.s. value of the a.c. or d.c. voltage across any particular insulation which can occur when the equipment is

Environment