10 A Contact Clamp for High Voltage and Medium Current

The 10 A Contact Clamp series for contacting of electronic devices has the following features:

Contacting automatically or manually
Contact surface
High current capacitance
Long service life
Modular and easy maintenance
Can be combined with alternative test contacts
Low transition resistance
High voltage durability due to ceramic isolation
Design for Quadri-Conductor-Testing

The 10 A Contacting Clamp made of copper-beryllium alloy has been developed for the contacting of conducting contacts of FET solder contacts, relays and similar. Via large contact surfaces currents of up to 20 A can be transmitted safely and without damage to electronic components, using both contact bows. To perform the Quadri-Conductor-Testing both contact bows are isolated and induce a current of up to and including 10 A per bow. It also can be used for automatically contacting in automated test systems or rigs. Custom made products and further information are available upon request.

Mechanical Specifications

Maximum contact thickness

d_{max} = 0.8 mm, side by side mounting with 2.54 mm gap

Insertion and drawing force

Zero respectively

Electrical Specifications (contact clamp incl. soldered joint)

Maximum allowed voltage

1000 V (not contacted)

Maximum allowed continuous current

20 A (both contact bows, cross section gripper in total 2 mm²)

Typical transfer resistance

1 mΩ

Contact cycles

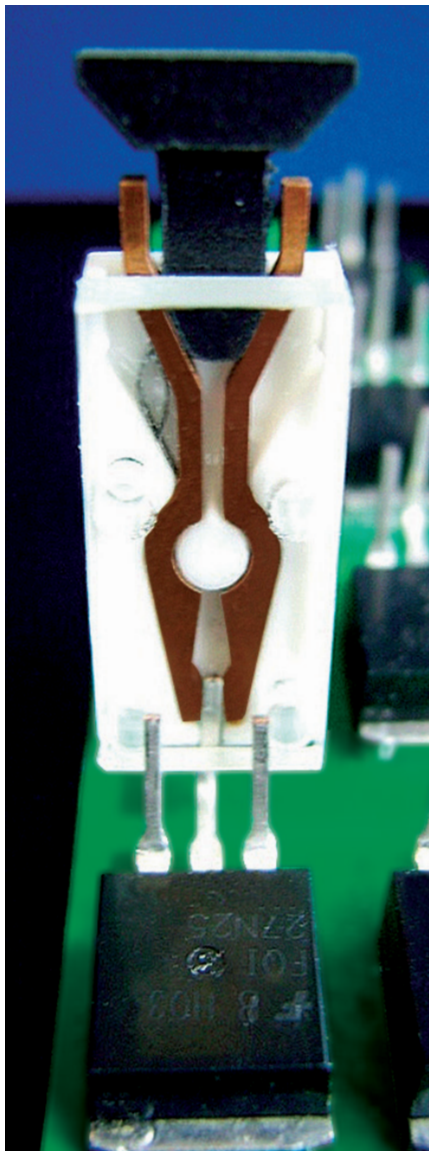
Max. 500.000 dependent upon the inserted contact

Contacting mode

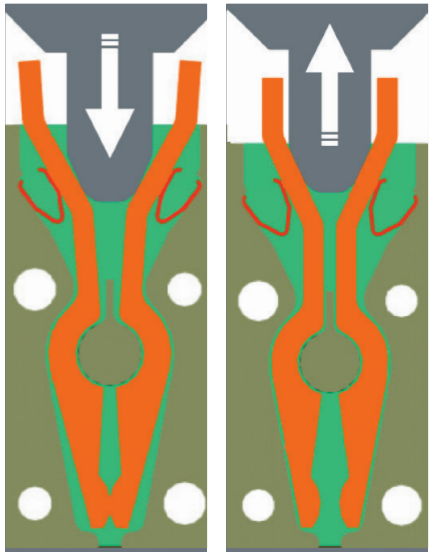
Manual or automatic

Material and Surface

Contact clamp made of copper-beryllium alloy
Springs made of steel
Housing and bolts made of ceramics



10 A Contact Clamp in contact mode
Utility patent DE 20 2008 001 811.0



10 A Contact Clamp closed and open