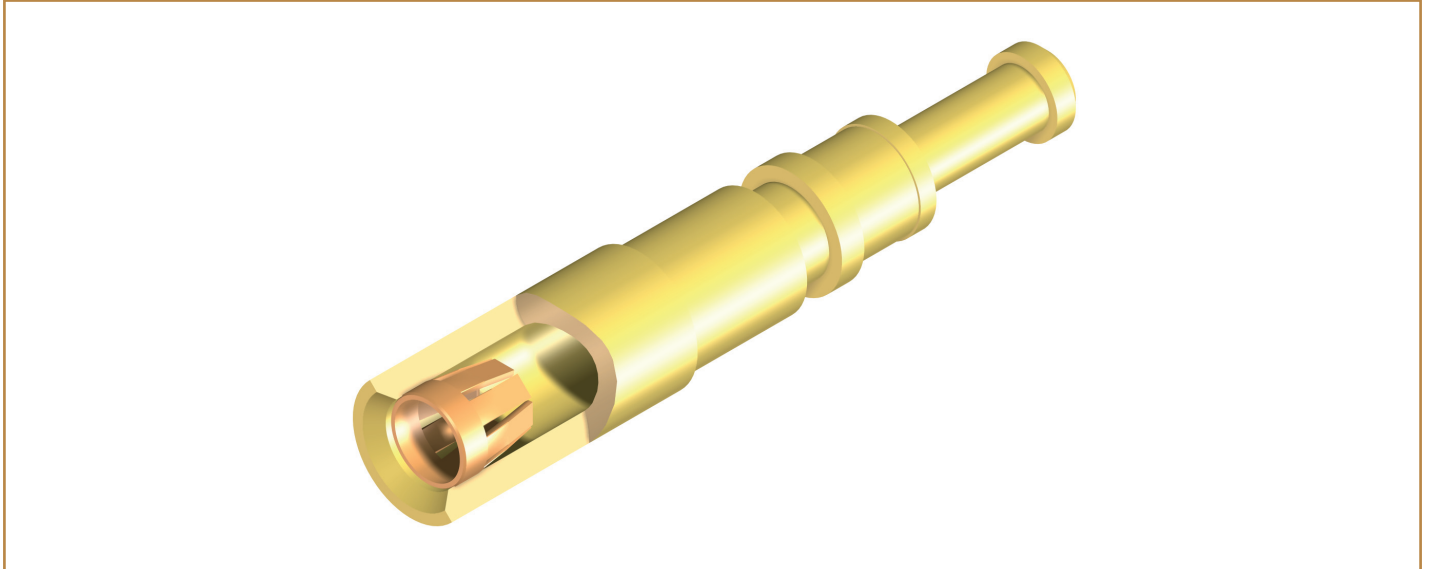


## 3POWER CONTACT



### 1. DESCRIPTION AND GENERAL FEATURES

#### 1.1 GENERAL DESCRIPTION

PRECI-DIP is proud to present a new type of contact suitable for high current capacity applications. The use of high-conductive Copper alloys for screw-machined contacts using the clip technology enable a reduction of the electrical resistance by approximately 40% with the same space requirement. Product features such as separate electroplating are all maintained.

#### 1.2 ADVANTAGES

Main advantage of this contact is its ability to carry high current with a low temperature rise. The maximum current can therefore be multiplied by 1.5. These high performances can be achieved using non-expensive material like brass but with excellent properties. Body and clip are plated separately and this provides a significant price advantage compared to other traditional contacts with an overall plating.

#### 1.3 APPLICATIONS

This type of power contact can be used in many different applications such as Mil/Aero applications, power and energy supply applications and railway. Whenever a high current capacity is required, this contact can be used.

#### 1.4 OPTIONAL VERSIONS

Other sizes of contacts can easily be developed using high-conductivity materials. PRECI-DIP has the know-how, machines and resources to design new contacts bodies and clips for power applications. PRECI-DIP can also develop connectors using power contacts.

## 2. TECHNICAL SPECIFICATIONS

### 2.1 ENVIRONMENTAL

Operating temperature -55 ... + 175°C

### 2.2 MATERIALS

Contact body Machined brass C31400, gold or tin plated over 2.5 µm Ni  
Contact spring BeCu C17460, gold plated over Ni

### 2.3 MECHANICAL CHARACTERISTICS

Mechanical life Min.500 cycles

### 2.4 ELECTRICAL CHARACTERISTICS

Rated current > 40A  
Electrical resistance Max. 0.4 mΩ

