

Battery contacting probe

BCP-113 314 230 A 3002

Item BCP-113-0005

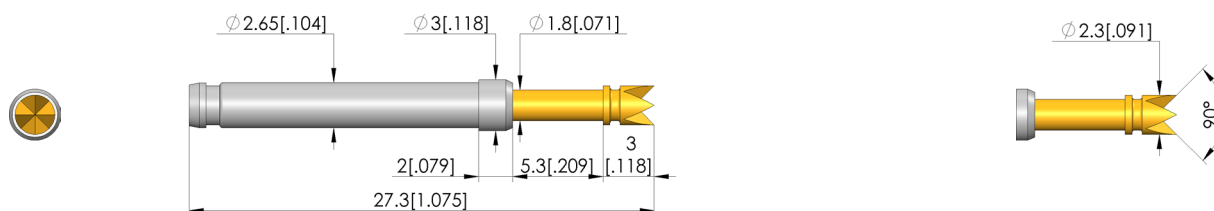
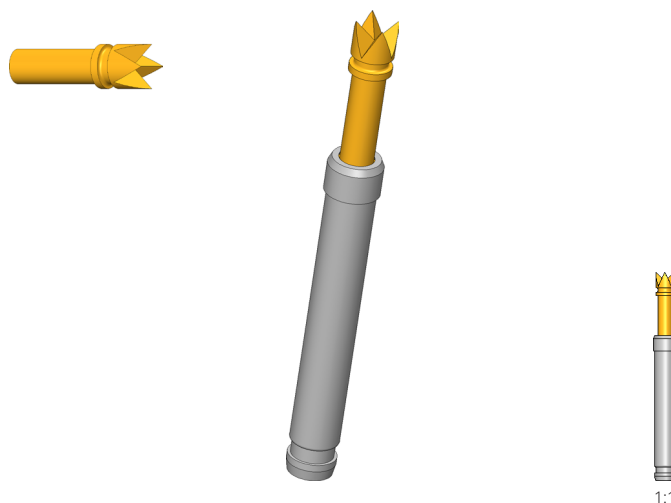


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- Contacting solution for prismatic and cylindrical cells such as 18600, 21700 and 46xx as well as coin cells
- Current rating upto 8A on Al DUT with temperature rise $dT \leq 20$ K ; max. current rating of 25A on high conducting materials like copper alloys
- Designed for a range of cell contacting applications such as formation, AC-IR, open circuit voltage (OCV) measurement and end-of-life (EOL) testing
- Low-resistance contact probe with R_i typical < 10 m Ω



General data

| | |
|---------------------------------|-------------------------|
| Product group: | Battery Contacting |
| Sub-product group: | Standard BCP (press-in) |
| Series: | BCP-113 |
| Application rec.: | |
| Grid: | 4 mm [157 mil] |
| DUT / contact: | |
| Magnetic: | Yes |
| Installation type: | Plug-in |
| Quick-exchange system: | Yes |
| Adjustable installation height: | No |
| Non-rotating: | No |
| Compatible receptacle(s): | KS-113 |
| Min. temperature: | -100 °C [-148 °F] |
| Max. temperature: | 200 °C [392 °F] |
| RoHS-compliant: | Yes |

Electrical data

| | |
|--|---------|
| Current load capacity / rated current: | 25 A |
| Rated current on copper @ $\Delta T \leq 20$ K: | 15 A |
| Rated current on copper @ $\Delta T \leq 60$ K: | 25 A |
| Rated current on aluminium @ $\Delta T \leq 20$ K: | 8 A |
| Rated current on aluminium @ $\Delta T \leq 60$ K: | 15 A |
| Typical resistance (R_i): | 10 mOhm |

Mechanical data

| | |
|---------------------------------|-------------------|
| Total length: | 27.3 mm [1.07 in] |
| Barrel diameter: | 2.65 mm [.104 in] |
| Maximum stroke: | 5.3 mm [.208 in] |
| Spring pre-load: | 1.24 N [4.46 ozf] |
| Collar height: | 02 |
| Spring force at working stroke: | 3 N [10.7 ozf] |
| Recommended working stroke: | 4 mm [1.57 in] |

Tip style data

| | |
|---------------------|---------------------------------|
| Tip style: | 14 4-point crown, self-cleaning |
| Tip diameter: | 2.3 mm [.09 in] |
| Tip style surface: | A gold |
| Tip style material: | 3 CuBe |

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