

Battery contacting probe

BCP-118 314 130 A 2202

Item BCP-118-0002

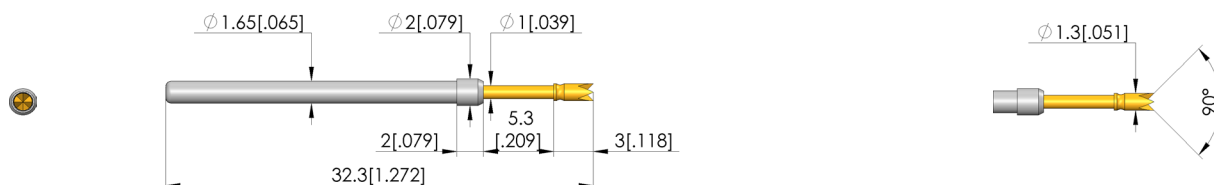
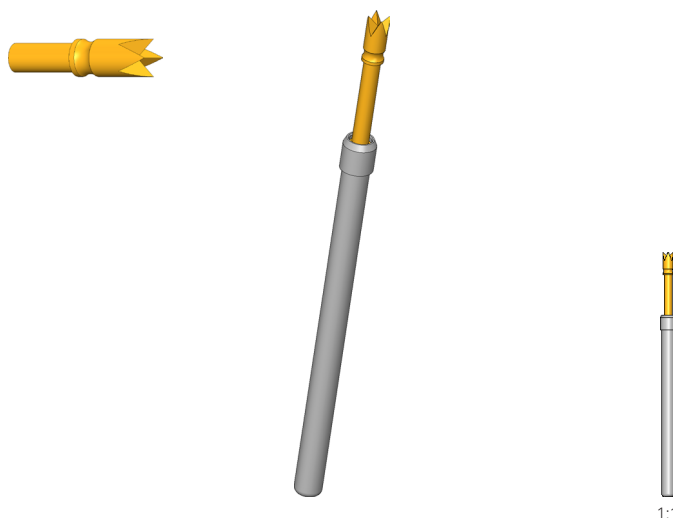


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- Contacting solution for prismatic and cylindrical cells such as 18600, 21700 and 46xx as well as coin cells
- Current rating upto 6A on Al DUT with temperaturer rise $dT \leq 20$ K ; max. current rating of 20A on high conducting materials like copper 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-118
Application rec.:	
Grid:	2.54 mm [100 mil]
DUT / contact:	
Magnetic:	Yes
Installation type:	Plug-in
Quick-exchange system:	Yes
Adjustable installation height:	No
Non-rotating:	No
Compatible receptacle(s):	KS-112
Min. temperature:	-100 °C [-148 °F]
Max. temperature:	200 °C [392 °F]
RoHS-compliant:	Yes

Electrical data

Current load capacity / rated current:	20 A
Rated current on copper @ $\Delta T \leq 20$ K:	10 A
Rated current on copper @ $\Delta T \leq 60$ K:	20 A
Rated current on aluminium @ $\Delta T \leq 20$ K:	6 A
Rated current on aluminium @ $\Delta T \leq 60$ K:	12 A
Typical resistance (R_i):	10 mOhm

Mechanical data

Total length:	32.3 mm [1.27 in]
Barrel diameter:	1.66 mm [0.065 in]
Maximum stroke:	5.3 mm [0.208 in]
Spring pre-load:	0.61 N [2.19 ozf]
Collar height:	02
Spring force at working stroke:	2.25 N [8.09 ozf]
Recommended working stroke:	4 mm [0.157 in]

Tip style data

Tip style:	14 4-point crown, self-cleaning
Tip diameter:	1.3 mm [0.051 in]
Tip style surface:	A gold
Tip style material:	3 CuBe

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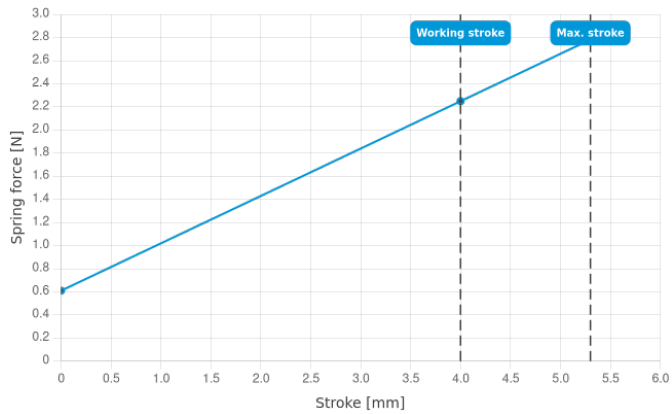
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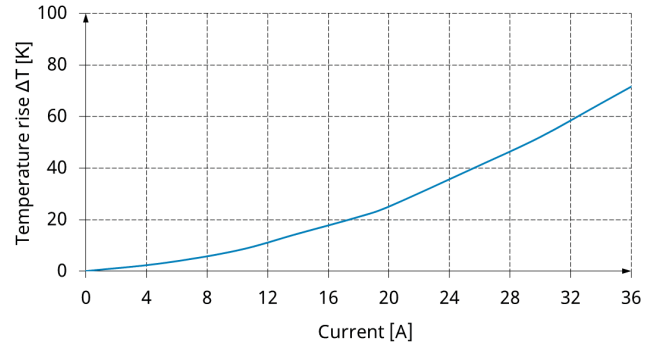
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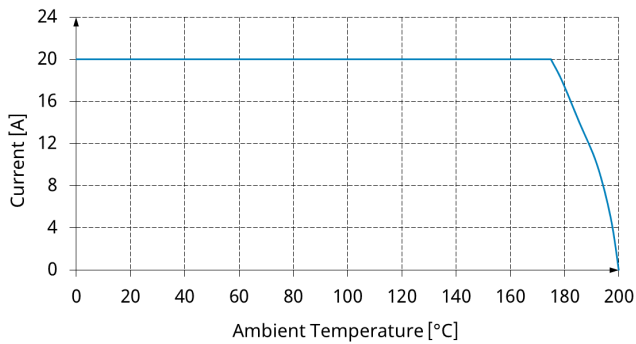
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Current Rating



Current Derating



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