

### General Description

The high current Press-Fit terminal blocks and spacers of the **PowerClamp** Series are designed for the solderless PCB or bus bar mount by the famous **SOFTPRESS** technique. This technology guarantees a very low contact resistance between the PCB and the **PowerClamp**. These **PowerClamp** components handle continuous currents from 100 up to 600 Amps and appear in different standard configurations:

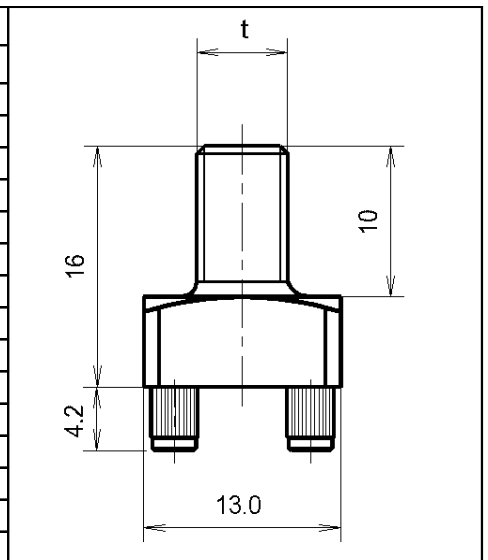
- B** - Series – terminal block with external thread (bolt) - (see this document)
- N** - Series – terminal block with internal thread (nut)
- L** - Series – terminal block with 90° mounting (horizontal thread or hole)
- H** - Series – spacer without thread (through hole spacer)
- D** - Series – spacer with double press-fit zone

Various accessories allow the enlargement of the applications (see *accessories* and *applications*)



### Technical Specifications

Metric thread	<b>B1305M</b>	<b>B1306M</b>
UNC thread	<b>B1305U</b>	<b>B1306U</b>
Current rating <sup>1)</sup>	<b>200 A</b>	
Metric thread size t	M5	M6
UNC thread size t	#12 - 24	1/4" - 20
Suggested tightening torque	2.1 Nm / 1.6 lbf ft	4.2 Nm / 3.1 lbf ft
Nom. insertion force (F4 1.6) <sup>2)</sup>	2'000 N / 450 lbf	
Nom. extraction force (FR4 1.6) <sup>2)</sup>	1'800 N / 400 lbf	
Material	CuZn40Pb2 / CW617N	
Plating <sup>3)</sup>	3 μ BroxAlloy	
Weight	11 g	12 g



<sup>1)</sup> The max. current depends on the PCB copper thickness. <sup>2)</sup> The force depends on the PCB Layup  
<sup>3)</sup> On request other platings

### Recommended PCB Configuration

for PCB configuration see AN0010  
<http://www.broxing.com/Applications/an0010.pdf>  
 PCB thickness: 1.5 – 3.2 mm  
 PCB Press-Fit Standards:  
 IEC 60352-5, DIN EN 60352-5

### PCB DRILLING PLAN

min. pad diameter: 140mils