

### 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 indifferent standard configurations:

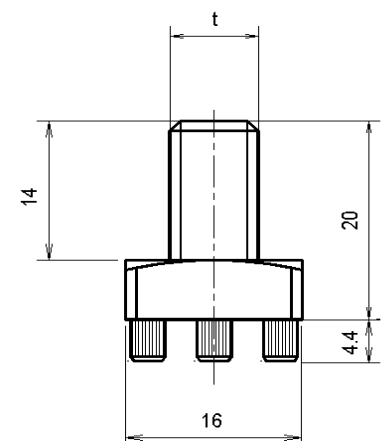
- B** - Series – terminal block with external thread (bolt) - (see this document)
- N** - Series – terminal block with internal thread (nut)
- L** - Series – terminal block with 90° mounting (horizontal thread or hole)
- H** - Series – spacer without thread (through hole spacer)
- D** - Series – spacer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

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



### Technical Specifications

Metric thread	<b>B1606M</b>	<b>B1608M</b>
UNC thread	<b>B1606U</b>	<b>B1608U</b>
Current rating <sup>1)</sup>	<b>400 A</b>	
Metric thread size	t M6	M8
UNC thread size	t 1/4" - 20	5/16" - 18
Suggested tightening torque	4.8 Nm / 3.5 lbf ft	12 Nm / 8.7 lbf ft
Nom. insertion force (F4 1.6) <sup>2)</sup>	4'000 N / 900 lbf	
Nom. extraction force (FR4 1.6) <sup>2)</sup>	3'600 N / 810 lbf	
Material	CuZn40Pb2 / CW617N	
Plating <sup>3)</sup>	3 μ BroxAlloy	
Weight	17 g	19 g



<sup>1)</sup> The max. current depends on the PCB copper thickness. <sup>2)</sup> The force depends on the PCB Layout  
<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