

**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:

- N** - Series – terminal block with internal thread (nut)
- B** - Series – terminal block with external thread (bolt)
- 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



This N100\*\*4-h3.5 flat terminal block with internal thread is designed for press-fit mounting on the **solderside**



**Technical Specifications**

Metric thread	<b>N1003M4-h3.5</b>	<b>N1004M4-h3.5</b>
UNC thread	<b>N1003U4-h3.5</b>	<b>N1004U4-h3.5</b>
Current rating <sup>1)</sup>	<b>100 A</b>	<b>150 A</b>
Metric thread size t	M3	M4
UNC thread size t	#4 - 40	#8 - 32
Breaking torque	1.0 Nm / 0.7 lbf ft	2.1 Nm / 1.6 lbf ft
Max. insertion force (PCB)	1'200 N / 270 lbf	
Min. extraction force (PCB)	1'100 N / 250 lbf	
Material	CuZn40Pb2 / CW617N	
Contact plating <sup>2)</sup>	2 µ BroxAlloy®	
Weight	4.0g	3.7g

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

<sup>2)</sup> On request other platings

**Recommended PCB Configuration**

for PCB configuration see DT0101

[http://www.broxing.com/Applications/dt0101\\_plated\\_holes.pdf](http://www.broxing.com/Applications/dt0101_plated_holes.pdf)

PCB thickness: 1.5 – 3.2 mm

PCB Press-Fit Standards:  
IEC 60352-5, DIN EN 60352-5

PCB DRILLING PLAN