

SNP-B309

280 Watt

- 280 W continuous fanless power
- Operating temperature up to +70 °C
- Overtemperature protection

The SNP-B309 power supply is characterized by a high efficiency of >85%. Therefore a fanless and very quiet operation is possible. The consistent use of high-quality components, as well as over temperature-, overload-, short circuit- and over voltage protection complete the excellent performance profile of the SNP-B309.

**X1-056**

Screw terminal cover (optional)

Industry

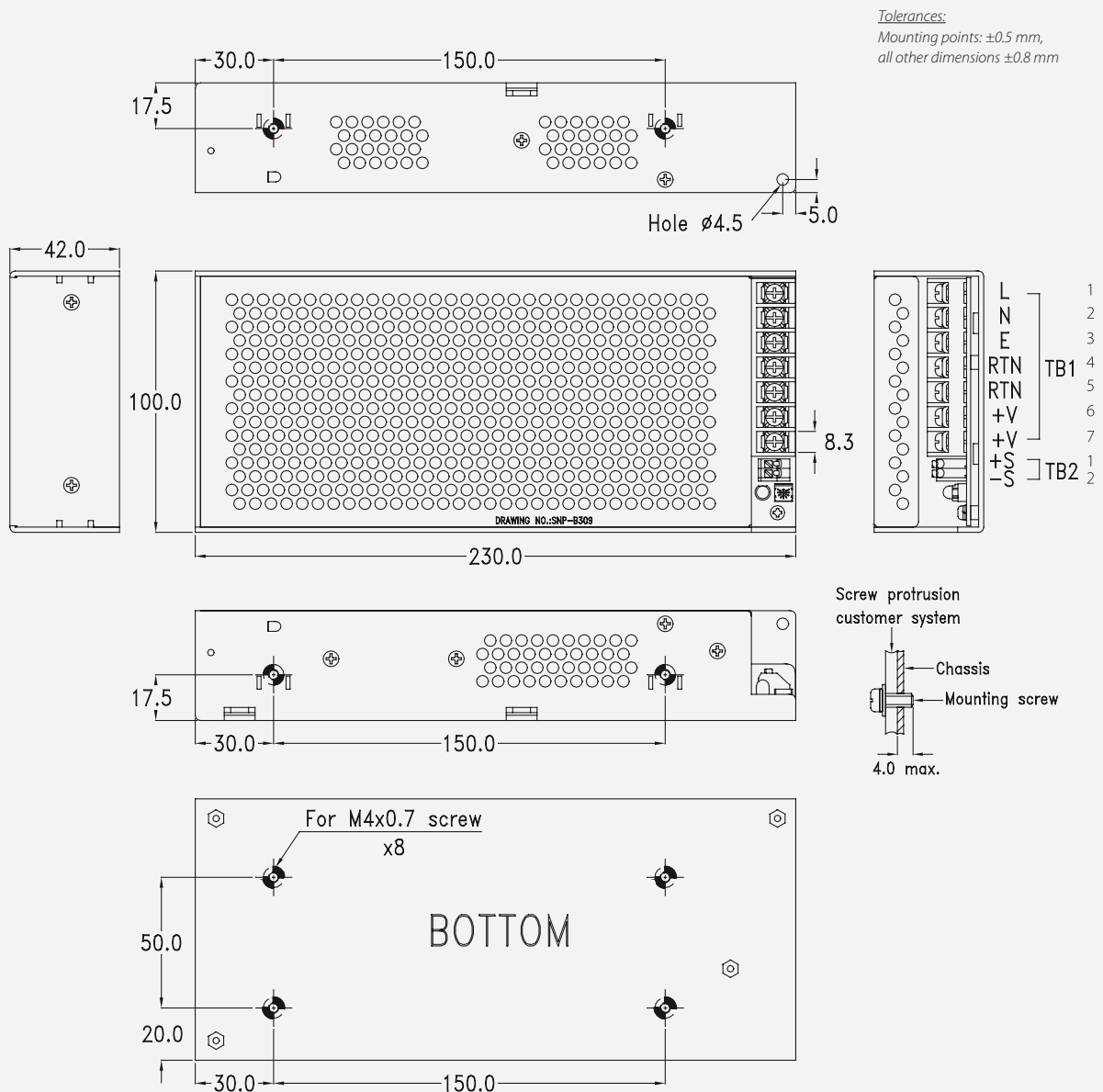
Technical data	
Input voltage	90...264 V AC, active PFC
Input frequency	47...63 Hz
Input current	4 A (115 V AC), 2 A (230 V AC)
Inrush current	<30 A (115 V AC), <60 A (230 V AC), +25 °C
Efficiency	>85 %
Hold up time	App. 20 ms (115 V AC)
Protection	Short circuit protection: Switch off with auto-recovery Overload protection: Switch off with auto-recovery Overvoltage protection: Switch off 32...36 V Overtemperature protection: Switch off
Line regulation	±1 % at max load and input voltage change of ±10 %
Load regulation	±1 % at load step 0...100 %
Earth leakage current	≤300 µA
Safety / EMC	TÜV EN60950-1, CE
Operating temperature	0...+70 °C
Derating	In the range of +40...+50 °C, 3 W / °C, of +50...+70 °C, 4.5 W / °C (see page 2)
Storage temperature	-20...+85 °C
Operating humidity	5...95 % RH, non-condensing
Dimensions (WxDxH)	100 x 230 x 42 mm <u>Tolerances:</u> Mounting points: ±0.5 mm, all other dimensions ±0.8 mm
Weight (net)	1.1 kg

Product specific data	
Remote sense	Regulation range 0.5 V (TB2)
Output voltage	22...30 V DC (adjustable)
Capacitive load	10 000 µF max

Article No.	Output	Output voltage	Output current max. min	convection-cooled	Peak	Ripple & Noise
SNP-B309	TB1	+24 V	0 A	11.66 A	15 A	50 mV _{SS}

Peak load can be for 10 seconds. Ripple and noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 0.47 µF ceramic capacitor at each output.
As a power component this PSU is for assembly purposes only and must not be operated in unassembled condition. The final assembly has to comply with the valid EMC and safety standards.

Drawing SNP-B309

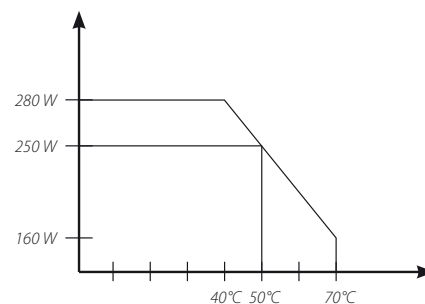


Connectors:

- | | |
|--------------|----------------|
| TB1 | TB2 |
| 1 L | 1 +S / Sense + |
| 2 N | 2 -S / Sense - |
| 3 E (Ground) | |
| 4 RTN (-) | |
| 5 RTN (-) | |
| 6 +V (+24 V) | |
| 7 +V (+24 V) | |

The sense line +S / -S (TB2) can be connected directly via a twisted cable AWG16...20 to RTN / +V (TB1) or it can be connected directly to the load.

Derating



Optional accessories

Article No.	Description
X1-056	Screw terminal cover for SNP-B309