

## BEP-506H

60 Watt

- 60 Watt continuous fanless power!
- Excellent regulation
- Very compact dimensions

The compact 60 W ATX PC power supply has been designed for installation in fanless industrial computers. Thanks to its innovative circuit design it is characterized by an excellent voltage regulation. As far as output is concerned, no base load is required. Additionally the efficiency has been improved to more than 80 % at nominal load. The +5 V<sub>sb</sub> output is a novelty and can withstand loads of up to 4 A. The DC harness is firmly attached to the device.



AC input

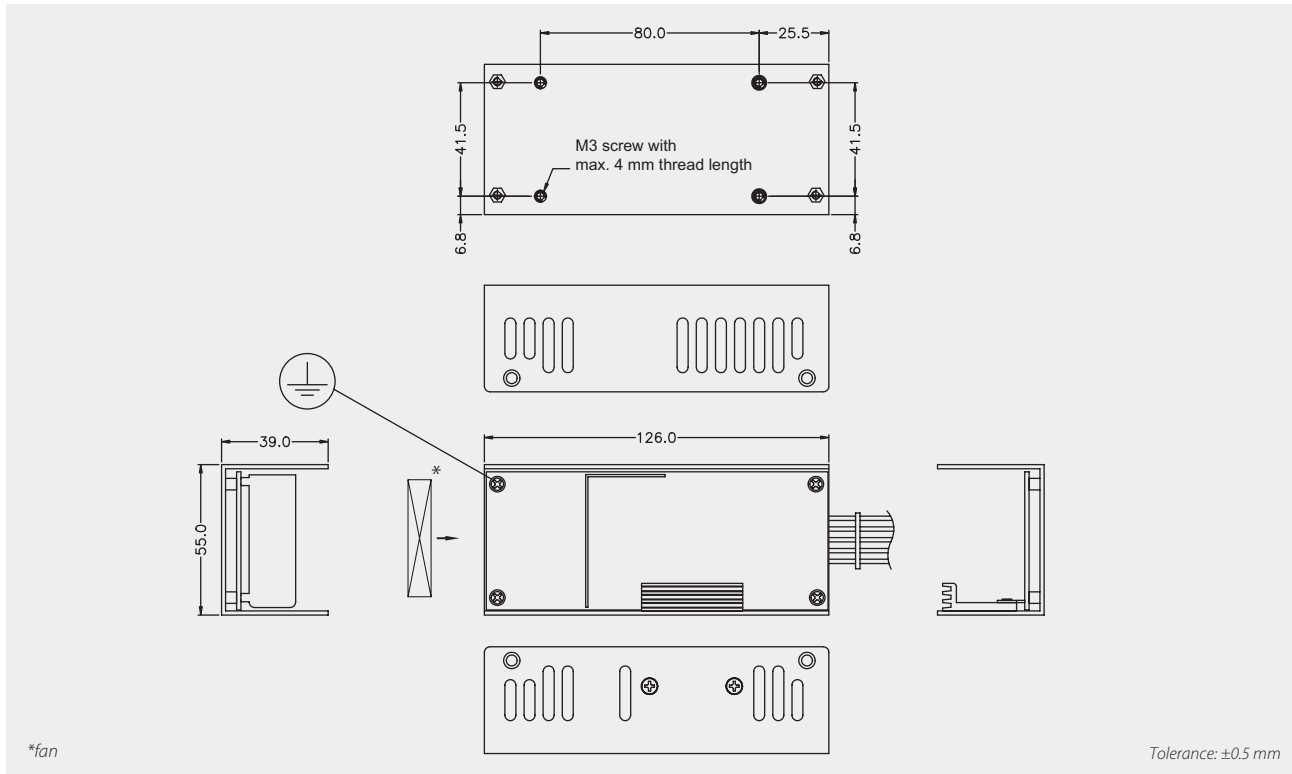
Technical data	
Input voltage	90...264 VAC, 120...380 VDC
Input frequency	47...63 Hz
Input current	1.5 A (115 VAC) / 1 A (230 VAC)
Inrush current	35 A (115 VAC) / 70 A (230 VAC)
Efficiency	App. 80 % (nominal load)
Standby consumption	App. 1,3 W
Hold-up-time	16 ms at 115 VAC and full load
Power-Good-Signal	Switch on delay 100...550 ms, Switch off delay 1 ms
Protection	Short circuit protection: At every output, switch off Overload protection: 110...160 %, switch off Overvoltage protection: switch off, +3.3 V (3.6...4.3 V), +5 V (5.6...6.5 V), +12 V (13.2...15 V)
Earth leakage current	<3.5 mA
Safety / EMC	TÜV, UL, CB, CE, CCC
Operating temperature	0...+70 °C
Derating	+40...+70 °C, 1.66 % / °C fanless      +50...+70 °C, 2.5 % / °C with fan 8CFM
MTBF	384 000 h at +50 °C
Storage temperature	-20...+80 °C
Operating humidity	10...95 % RH, non-condensing
Dimensions (WxDxH)	55 x 126 x 39 mm ±0.4 mm
Weight (net)	0.3 kg

Article No.	Output voltage	Output current		Load regulation	Ripple & Noise
		min	max		
BEP-506H	+3.3 V	0 A	6 A	±5 %	50 mV
	+5 V	0 A	7 A	±5 %	50 mV
	+12 V	0.1 A	5 A	±5 %	120 mV
	-12 V	0 A	0.3 A	±10 %	120 mV
	+5 V <sub>sb</sub>	0 A	4 A	±5 %	50 mV

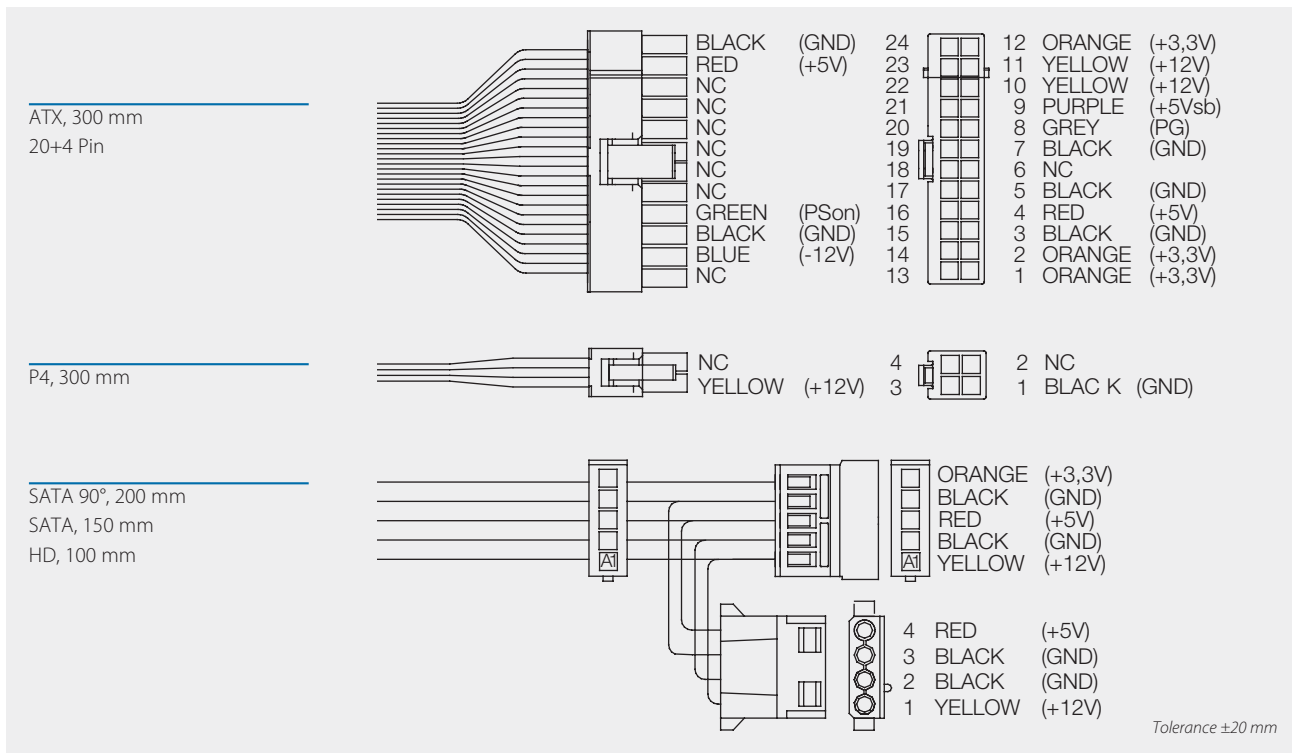
Max. output power is 60 W (fanless), max. load at +3.3 V and +5 V is 30 W, with fan 8CFM 40 W.

This power supply is for assembly purposes only and it must not be operated in unassembled condition. The final assembly has to comply with the valid EMC standards.

## Drawing BEP-506H



## Cable harness BEP-506H



Specification is subject to change without notice. Errors excepted. Status as at: 16.03.2012

**Optional accessory** ▷▷▷ For detailed information please visit our website [www.bicker.de](http://www.bicker.de) and refer to the article number.

Article No.	Description
X1-024	AC input cable harness 2-pole / length: 620 mm, AWG 18 / ends open