

## BEP-506H

60 Watt

- ✓ Designed for fanless industrial computers
- ✓ 60 Watt continuous fanless power!
- ✓ Very compact dimensions
- ✓ Excellent voltage regulation
- ✓ No minimum load required
- ✓ Powerful +5 V<sub>sb</sub> rail (4 A)



AC input

Technical data	
Input voltage	90...264 VAC
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 % (115 VAC)
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, CE, CCC
Temperature	Operating: 0...+70 °C / Storage: -20...+80 °C
Derating	+40...+70 °C, 1.66 % / °C fanless      +50...+70 °C, 2 % / °C with fan 8CFM
MTBF	384 000 h at +50 °C according to MIL-HDBK-217F
Max. operating altitude	3100 m
Humidity	Operating: 10...85 % RH, non-condensing / Storage: 10...90 % 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 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.

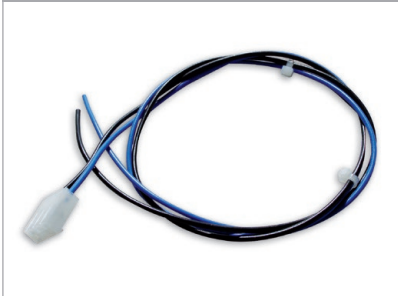
This power supply is for assembly purposes only and it must not be operated in unassembled condition. The final assembly has to comply with the valid EMC standards.

## Optional Accessories

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

### X1-024 | AC input cable

2-pole, length 620 mm, AWG18, ends open



### X1-061 | AC input cable

3-pole, length 600 mm, AWG18, ends open, M3 ring terminal



### BEP-506H Cover | Cover

For BEP-506H, inclusive mounting screws

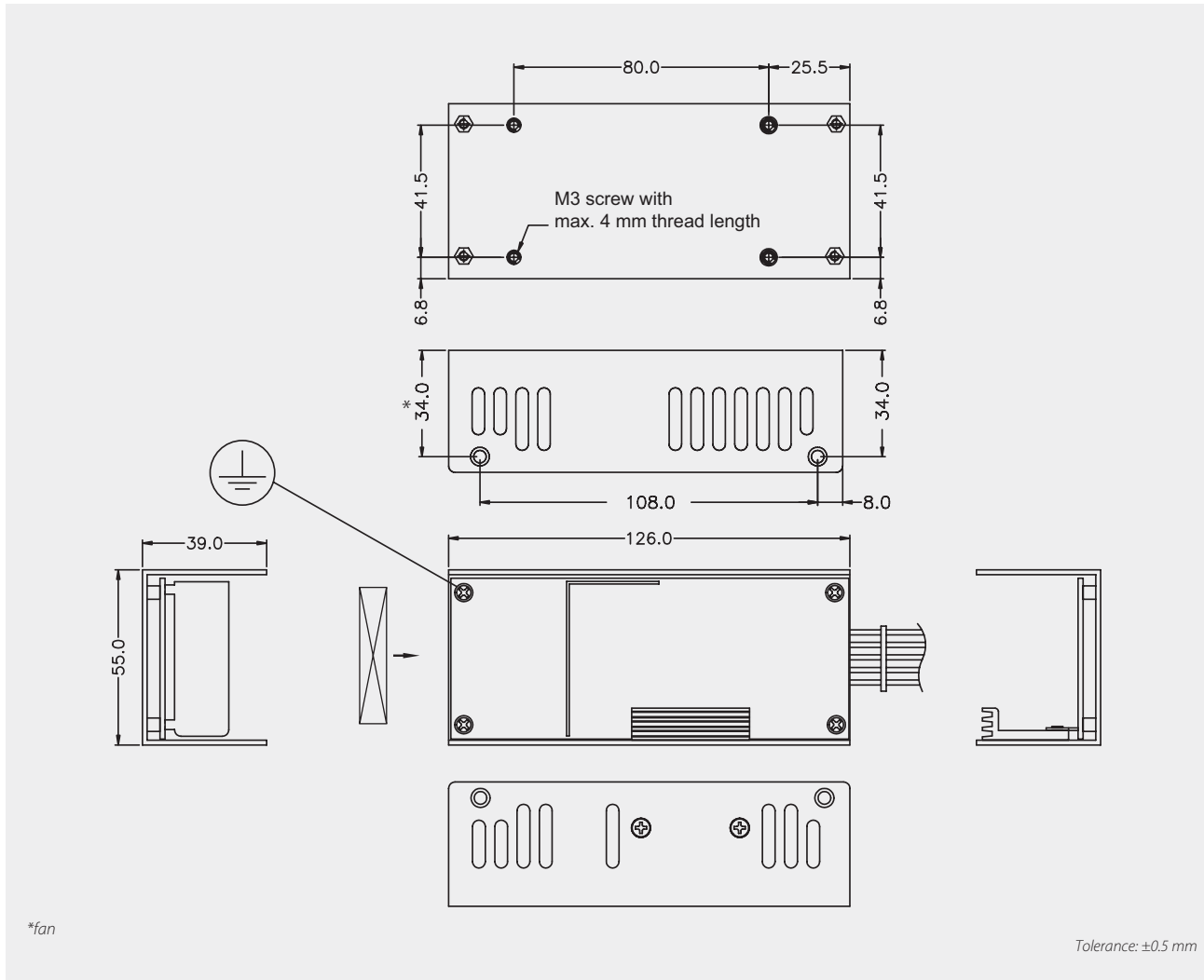


### PSZ-1019 | EMC-Filter

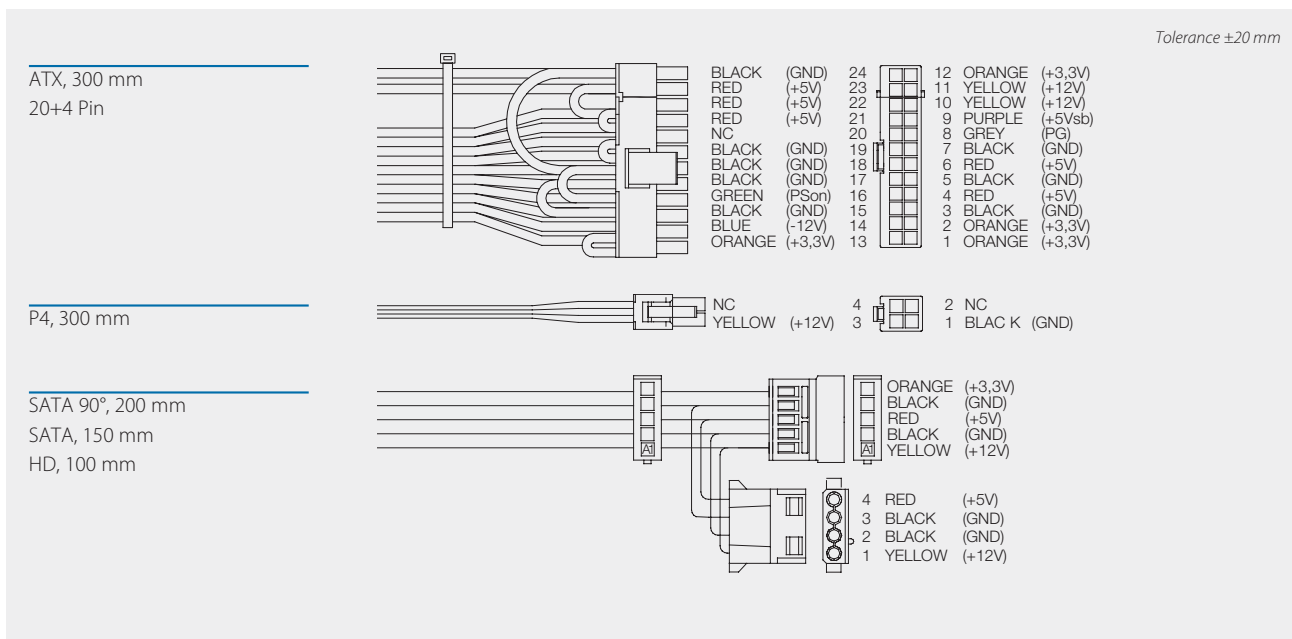
IEC connector filter incl. cable and ferrite



Drawing BEP-506H



Cable harness BEP-506H



Specification is subject to change without notice. Errors excepted. Status as at: 07.09.2023