

BEA-750H

500 Watt



- Additional +24 V DC output
- Efficiency up to 91 %
- Increased interference resistance
- Designed for continuous operation 24/7
- No minimum load required
- ErP Lot 6 2013 ready!
- Temperature controlled and silence fan
- Wide temperature range -10...+70 °C
- High reliability due to premium quality components



NEW

**Additional
+24 VDC
Output**



AC input

Technical data

Input voltage	90...264 VAC, active PFC
Input frequency	47...63 Hz
Input current	8 A (115 VAC) / 4 A (230 VAC)
Inrush current	<40 A (115 VAC) / <80 A (220 VAC)
Efficiency	Up to 91 %
Standby consumption	<0.5 W
Hold up time	>16 ms at 230 VAC and full load
Power-Good-Signal	Switch on delay 100...500 ms Switch off delay 1 ms
Protection	Short circuit protection: 3.3/5/12V: shut down and latch off, +5V _{sb} / -12 V, auto-recovery Overcurrent protection: +12 V: 22...30 A, +5 V: 30...45 A, +3.3 V: 35...60 A Overvoltage protection: +3.3 V (+3.5...+4.8 V), +5 V (+5.5...+7.0 V), +12 V (+13.4...+16.0 V)
Earth leakage current	<1 mA
Acoustic noise	<34 dB at full load
Environmental	IEC60068-2-64 (vibration and broadband random)
Safety / EMC	IEC/EN 60950-1, UL 60950-1, CCC, CE
Temperature	Operating: -10...+70 °C / Storage: -20...+80 °C
Derating	From +50 °C...+70 °C, 1 % / °C
MTBF	>267 000 h according to MIL-HDBK-217F at 25 °C / full load, without fan
Max. operating altitude	5000 m
Humidity	Operating: 10...85 % RH, non-condensing / Storage: 10...90 % RH, non-condensing
Dimensions (WxDxH)	150 x 140 x 86 mm ±0.5 mm
Weight (net)	2.0 kg

Article No.	Output voltage	Output current		Load regulation	Ripple & Noise
		min	max		
BEA-750H	-5V	0 A	0.2A	±5 %	50 mV
	+3.3V	0 A	24A	±5 %	50 mV
	+5V	0 A	20A	±5 %	50 mV
	+12V ₁	0 A	18A	±10%	120mV
	+12V ₂	0 A	18A	±10%	120mV
	+24V	0 A	7 A	±5 %	200mV
	-12V	0 A	0.5 A	±5 %	120mV
	+5V _{sb}	0 A	3.0A	±5 %	50mV

Max. output power is 500W, combined output power at +3.3V and +5V must not exceed 120W. 12V1 and 12V2 DC maximum output power shall not exceed 35A. Ripple and noise was measured by a 20MHz oscilloscope with connected 10µF electrolytic capacitor and 0.1µF ceramic capacitor at each output.

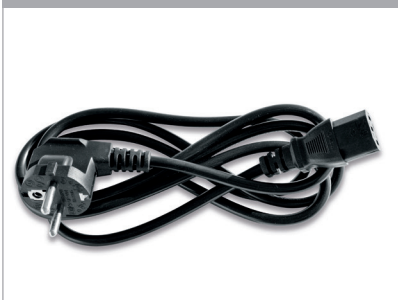
This power supply is for assembly purposes only and it must not be operated in unassembled condition. The final assembly has to comply with the valid EMC standards.

Optional Accessories

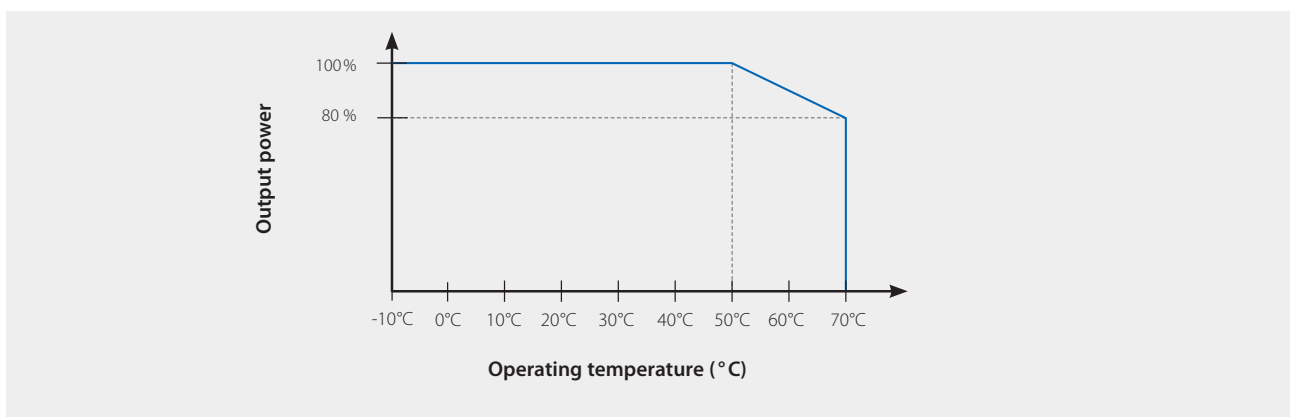
▷▷▷ For detailed information please visit our website www.bicker.de and refer to the article number.

X1-132 | Power cord

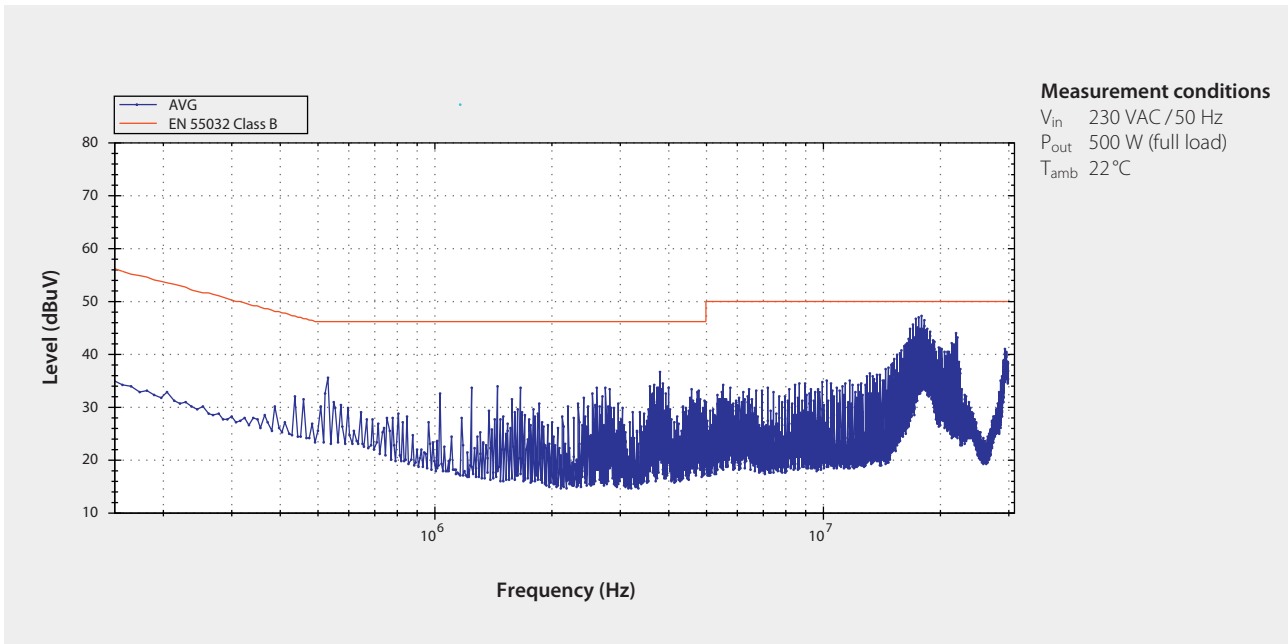
With IEC-60320-C13 connector, length 1800 mm



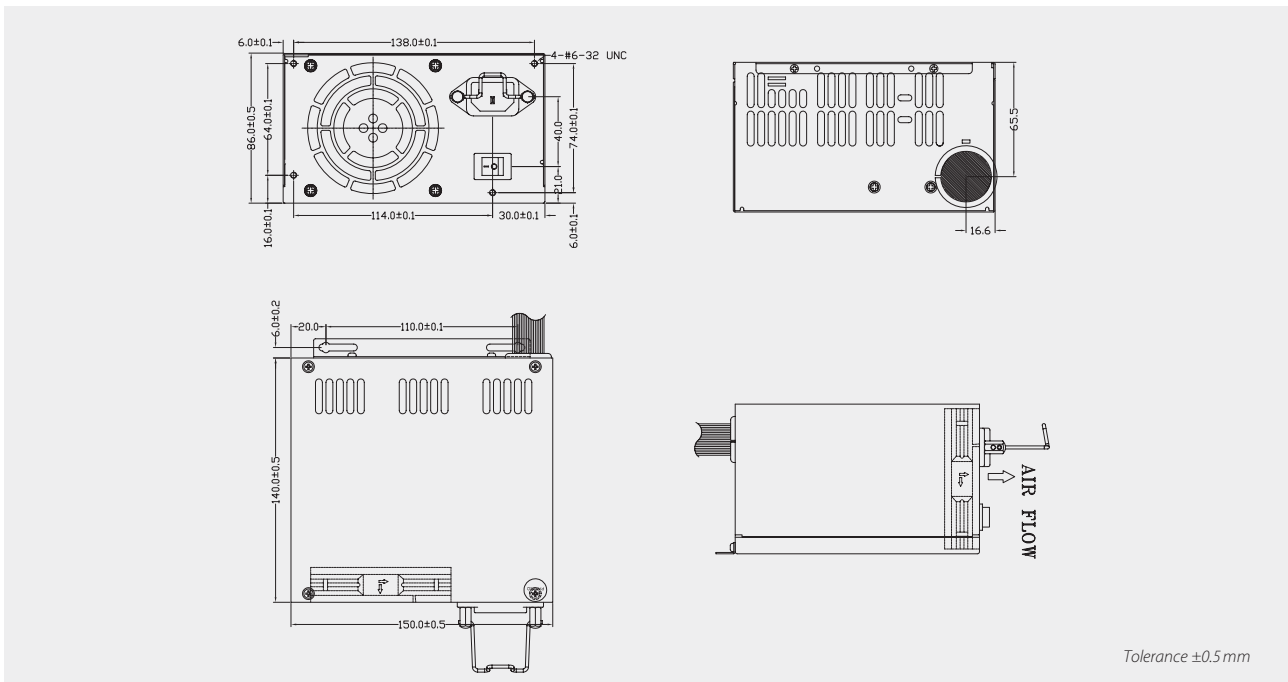
Derating



EMC – conducted



Drawing BEA-750H

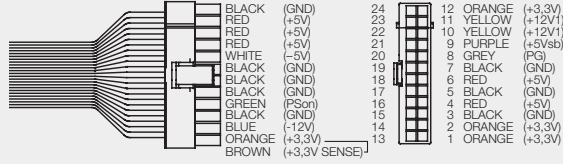


Cable harness BEA-750H

P4 / EPS, 500 mm
4+4 Pin



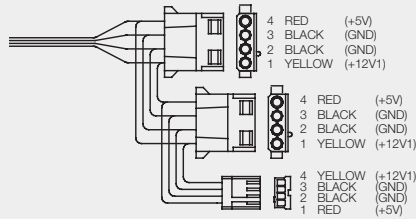
ATX, 20+4, 500 mm



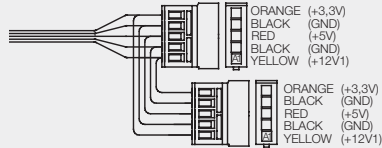
PCI Express 6+2, 500 mm



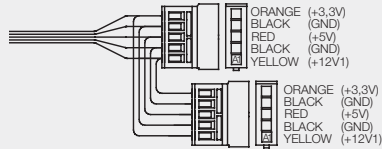
HD, 400 mm
HD, 150 mm
FDD, 150 mm



SATA, 450 mm
SATA, 150 mm



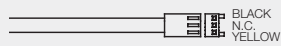
SATA, 450 mm
SATA, 150 mm



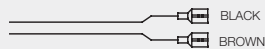
SATA 90°, 350 mm
SATA 90°, 150 mm



Fan signal, 580 mm



24 V, 450 mm,
2x 6.3 mm Fast On



Tolerance ±20 mm