BEP-520H

200 Watt

- **150 Watt continuous fanless power!**
- **Temperature range -10…+70 °C**
- **Excellent voltage regulation**
- **EN/UL 62368-1 certified**
- **No minimum load required**
- **Powerful 5 V_{sb} (3 A)**

Technical data

Input voltage	90…264 V AC, active PFC
Input frequency	47…63 Hz
Input current	3 A (115 V AC) / 1.5 A (230 V AC)
Inrush current	35 A (115 V AC) / 80 A (230 V AC)
Efficiency	≥83 % (at full load and 230 V AC)
Standby consumption	App. 1.5 W
Hold up time	>100 ms at 115 V AC and full load
Power-Good-Signal	Switch on delay 100…550 ms, Switch off delay 1 ms
Protection	Short circuit protection: At each output, switch off Overload protection: 130…170 %, 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) Overtemperature protection: Switch off
Earth leakage current	<3.5 mA
Safety / EMC	TÜV, UL, CCC, CE, EN 55022 Class A (with filter PSZ-1019: class B), EN/UL62368-1
Temperature	Operating: -10…+70 °C / Storage: -20…+80 °C
Derating	From +40…+70 °C, 1.33 % / °C (With cover: +35…+70 °C: 1.3 % / °C)
MTBF	172 700 h according to MIL-HDBK-217F, Notice 2 at +50 °C
Max. operating altitude	5000 m
Humidity	Operating: 10…85 % RH, non-condensing / Storage: 10…90 % RH, non-condensing
Dimensions (W x D x H)	100 x 186 x 39.5 mm ±0.5 mm
Weight (net)	0.96 kg

Article No.	Output voltage	Output current min	Output current max	Load regulation	Ripple & Noise
BEP-520H	+3.3 V	0 A	12 A	±5 %	50 mV
	+5 V	0 A	14 A	±5 %	50 mV
	+12 V	0 A	15.5 A	±5 %	120 mV
	-12 V	0 A	0.5 A	±10 %	120 mV
	+5 V_{sb}	0 A	3 A	±5 %	50 mV

Output power at +3.3 V, +5 V, +12 V and -12 V is 135 W without fan, 185 W with 15CFM fan. Output power at +3.3 V and +5 V is 50 W without fan, 70 W with 15CFM fan. 150 W power can be supplied without fan, and 200 W full power using a 15CFM fan.

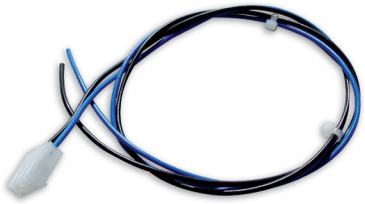
As a power component this PSU is for assembly purposes only and must not be operated in unassembled condition. The final assembly has to comply with the valid EMC and safety standards.

Optional Accessories

▷▷▷ *For detailed information please visit our website* ***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

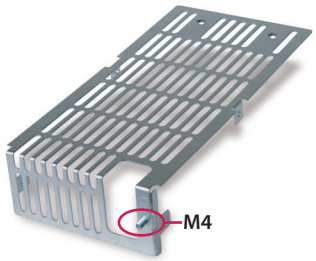
3-pole, length 600 mm, AWG18,
ends open, M3 ring terminal

X1-061-B2 | AC input cable

3-pole, length 610 mm, AWG18,
ends open, M4 ring terminal

BEP-520H Cover | Cover

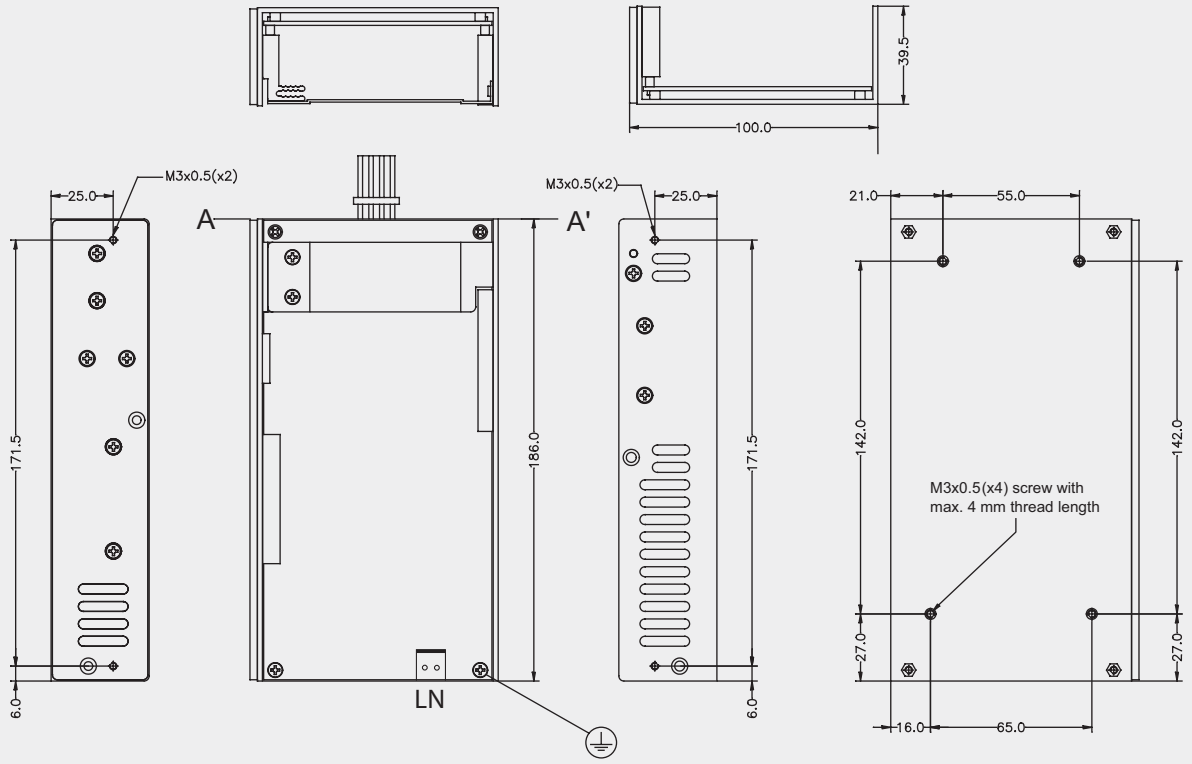
For BEP-520H, inclusive mounting screws
and isolationpads



PSZ-1019 | EMC-Filter

IEC connector filter incl. cable and ferrite

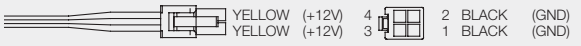
Drawing BEP-520H



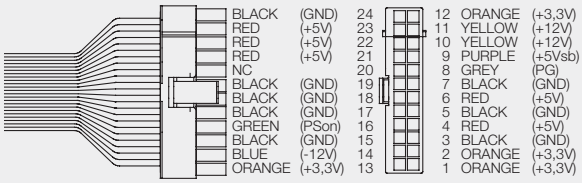
Tolerance ±0.5 mm

Cable harness BEP-520H

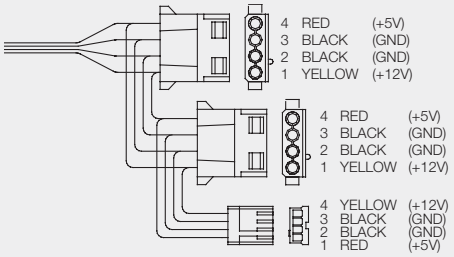
P4, 350 mm



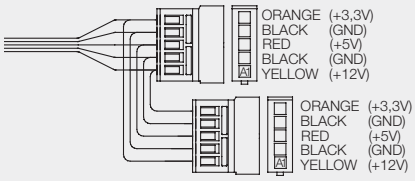
ATX / EPS, 350 mm
20+4 pin



HD, 350 mm
HD, 120 mm
FDD, 120 mm



SATA, 350 mm
SATA, 120 mm



Tolerance±20 mm

Specification is subject to change without notice. Errors excepted. Status as at: 22.07.2019