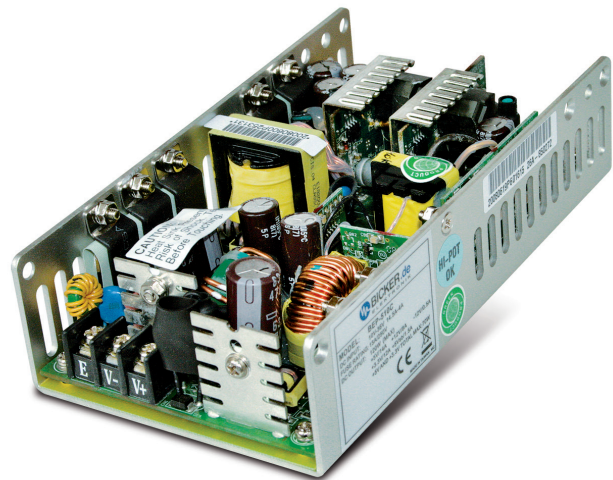


BEP-510C-B4

120 Watt

- ✓ Wide input range 10...36 VDC
- ✓ Improved vibration protection according to EN60945
- ✓ 100 Watt continuous fanless power!
- ✓ Operating temperature up to +70 °C
- ✓ Designed for use in vibration proof „maritime equipment“ according to EN60945 and IACS E10
- ✓ Very robust design and construction
- ✓ High reliability due to quality components
- ✓ No minimum load required



DC input

Technical data	
Input voltage	10...36 VDC
Input current	15 A max. (10 VDC)
Inrush current	15 A max.
Efficiency	>80 %
Hold up time	>2 ms
Power-Good-Signal	Switch on delay 100...500 ms Switch off delay 1 ms
Protection	Short circuit protection: At each output, switch off, +5 V _{sb} auto-recovery At input: Fuse Overvoltage protection: +3.3 V (3.6...4.3 V), +5 V (5.6...6.5 V), 12 V (13.2...15 V)
Insulation voltage	Input / Chassis: 1500 VAC for 60 sec. Input / Output: 3000 VAC for 60 sec.
Earth leakage current	3.5 mA
Safety / EMC	CE, designed according to EN 60950-1 and UL 60950-1
Operating temperature	0...+70 °C
Derating	See diagram below and next page
Storage temperature	-20...+80 °C
Operating humidity	10...90 % RH, non-condensing
Dimensions (WxDxH)	83.8 x 152 x 39 mm ±0.4 mm
Weight (net)	0.5 kg

Article No.	Output voltage	Output current		Load regulation	Ripple & Noise
		min	max		
BEP-510C-B4	+3.3 V	0 A	12 A	±5 %	50 mV
	+5 V	0 A	14 A	±5 %	50 mV
	+12 V	0 A	8 A	±5 %	120 mV
	-12 V	0 A	0.5 A	±10 %	120 mV
	+5 V _{sb}	0 A	1 A	±5 %	50 mV

Output power at +3.3 V, and +5 V is 70 W (50 W without fan). 100 W power can be supplied without fan, and 120 W full power using a 20 CFM fan.

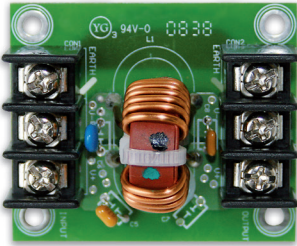
As a power component this PSU is for assembly purposes only and must not be operated in unassembled condition. The final assembly has to comply with the valid EMC and safety standards.

Optional Accessories

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

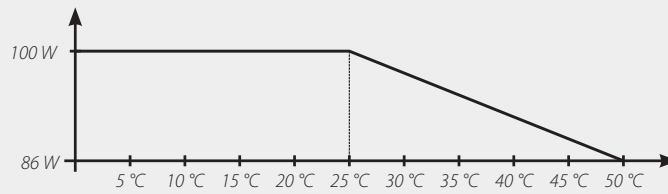
BEP-510C / FilterB | EMC Filter

EN55022 class B for DC Power Supply
BEP-510C

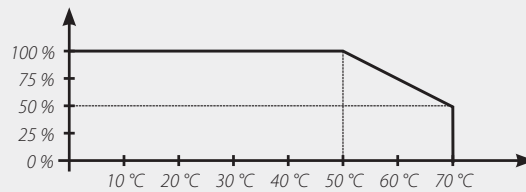


Derating

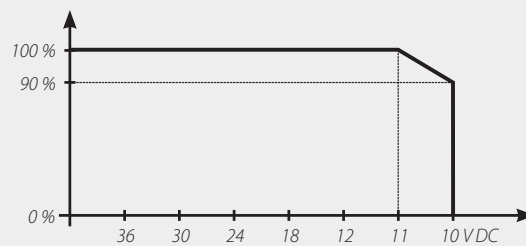
Fanless operation from 0...+50 °C



Derating from +50...+70 °C



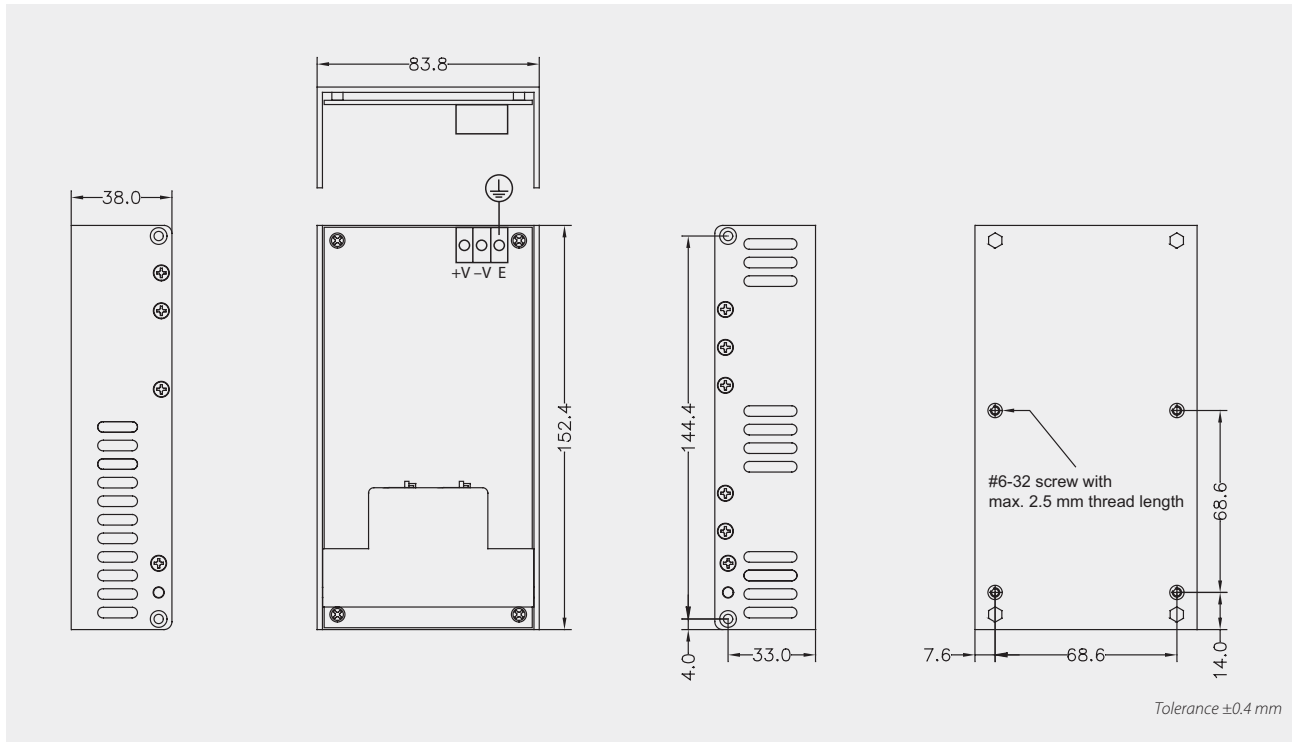
Derating at input voltage 36...10 VDC



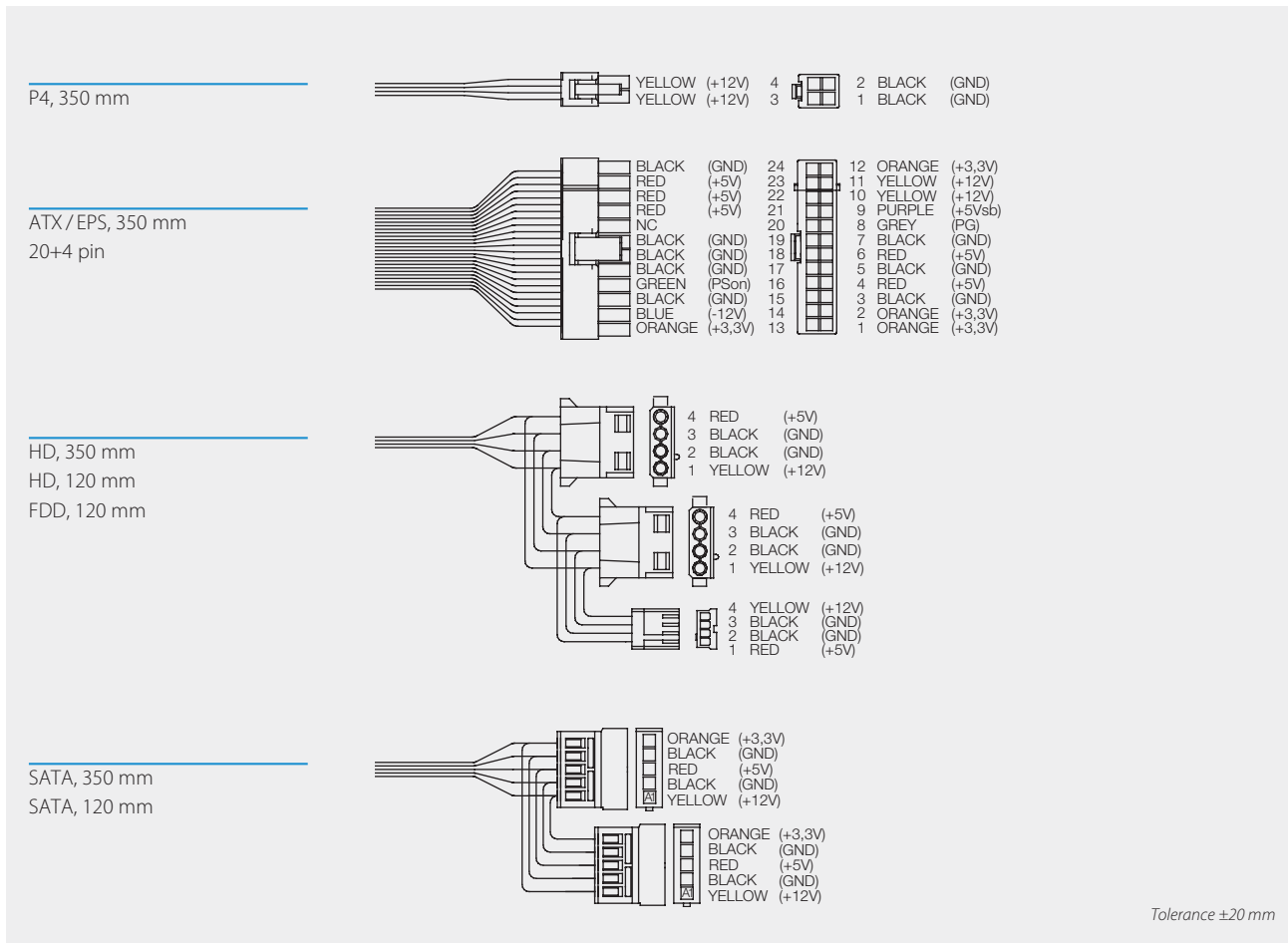
Supplementary data for derating from +50...+70 °C

- 86 W fanless
- Load at +3.3 V / +5 V fanless (50 W)
- 120 W with 20 CFM fan
- Load at +3.3 V / +5 V with 20 CFM fan (70 W)
- Output current per channel

Drawing BEP-510C-B4



Cable harness BEP-510C-B4



Specification is subject to change without notice. Errors excepted. Status as at: 27.02.2017