

## BEH-522C

220 Watt

- ✓ +24 V DC input
- ✓ +3.3 V and +5 V sense line
- ✓ Ball-bearing fan
- ✓ Designed for continuous operation 24/7
- ✓ No minimum load required



DC input

Technical data	
Input voltage	+24 VDC (20...36 V)
Input current	12 A max. (24 VDC)
Inrush current	39 A max. (24 VDC, at +25°C ambient cold start)
Efficiency	≥82 % @ 24 VDC
Hold up time	>1.6 ms @ 24 VDC
Power-Good-Signal	Switch on delay 100...500 ms
Protection	Short circuit protection: +3.3 V, +5 V, +12 V, -12 V switch off / +5 V <sub>sb</sub> , auto-recovery Overload protection: 110...160 %, switch off Overvoltage protection: +3.3 V (+3.6...+4.6 V), +5 V (+5.5...+6.9 V), +12 V (+13.2...+16.4 V)
Safety / EMC	CE
Insulation voltage	Input / Chassis 500 VDC Input / Output 500 VDC
Temperature	Operating: 0...+70 °C / Storage: -20...+80 °C
Derating	+50...+70 °C, 1 % / °C
Max. operation altitude	3000 m
MTBF	>180000 h according to MIL-HDBK-217F at +25 °C without fan
Humidity	Operating: 20...85 % RH, non-condensing / Storage: 10...90 % RH, non-condensing
Dimensions (WxDxH)	40.3 x 81.5 x 170 mm ±0.5 mm
Weight (net)	1.1 kg incl. wire harness

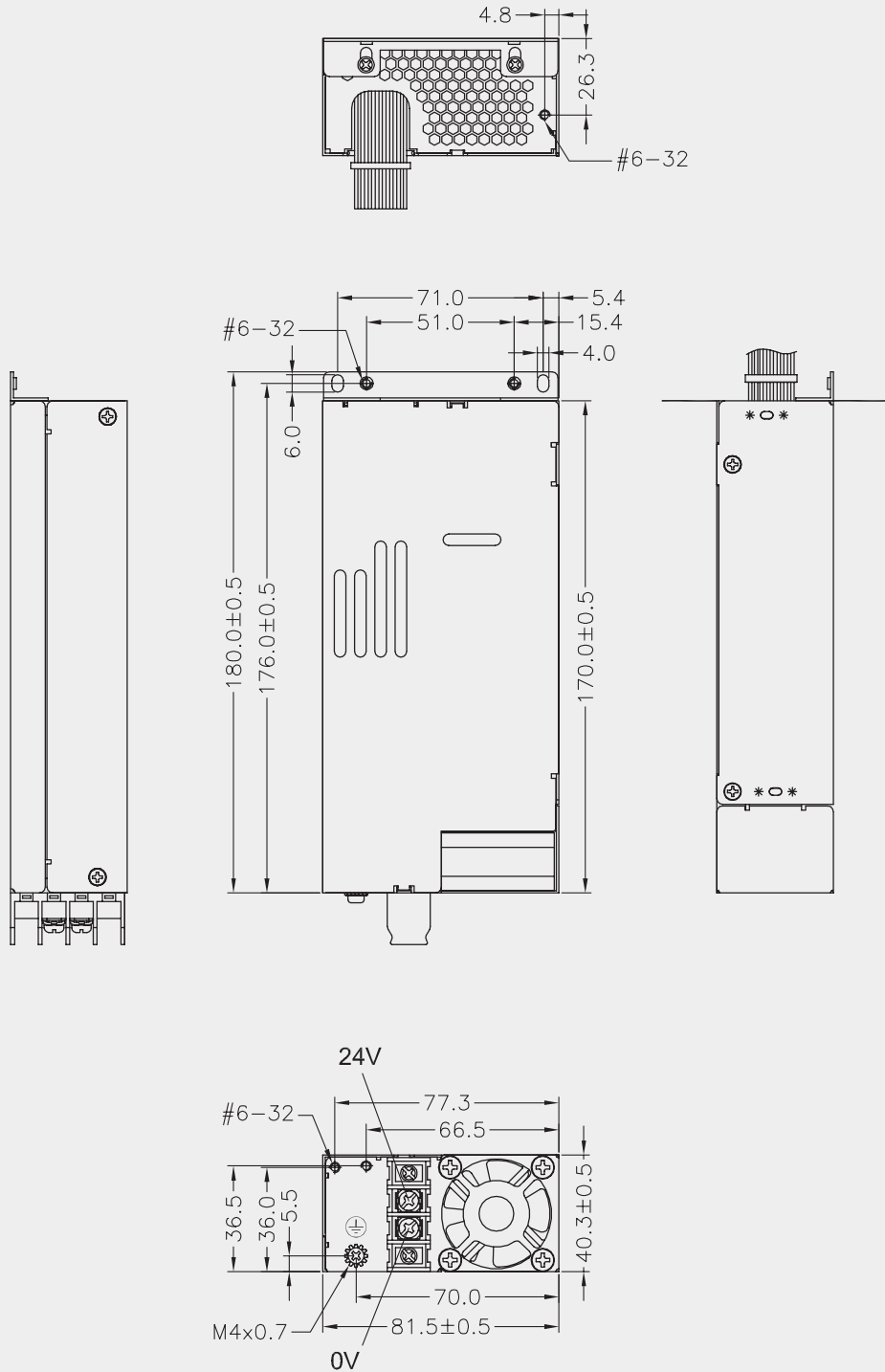
Article No.	Output voltage	Output current		Load regulation	Ripple & Noise
		min	max		
BEH-522C	+3.3 V	0 A	17 A	±5 %	50 mV
	+5 V	0 A	18 A	±5 %	50 mV
	+12 V	0 A	17 A	±5 %	120 mV
	-12 V	0 A	0.3 A	±10 %	120 mV
	+5 V <sub>sb</sub>	0 A	2 A	±5 %	50 mV

Max. output power is 220 W. Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 100 µF capacitor and 0.1 µF ceramic capacitor at each output. All measurements were taken at +21 °C ambient temperature. Data can differ while starting when ambient temperature below 0 °C. For keeping the conducted interference according to EN55032 (in case of connection to a low voltage mains supply) an additional input filter may be required.

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.

Drawing BEH-522C

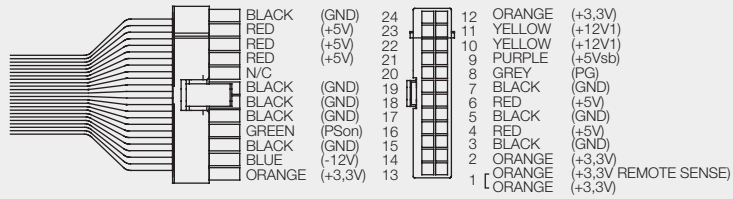
DC input



Tolerance ±0.5 mm

## Cable harness BEH-522C

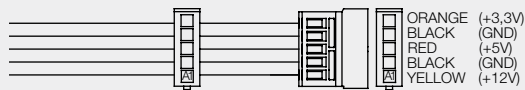
ATX / EPS, 400 mm  
20+4 Pin



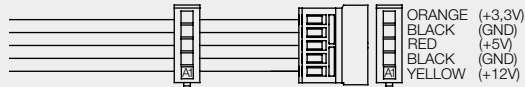
P4 / EPS, 500 mm  
4+4 Pin



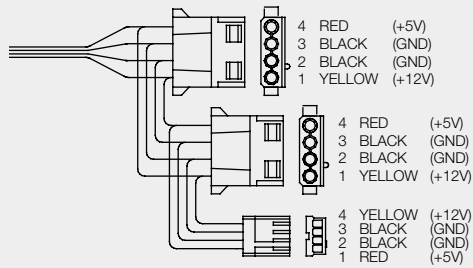
SATA 90°, 350 mm  
SATA, 500 mm



SATA 90°, 350 mm  
SATA, 500 mm



HD, 350 mm  
HD, 150 mm  
FDD, 150 mm



Tolerance ±20 mm