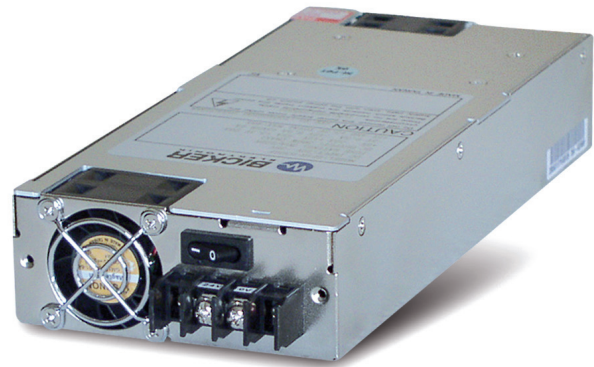


BEH-630C

300 Watt

- +24 V DC input
- +3.3 V and +5 V sense line
- Ball-bearing fan

By its +24 V DC input the 300 W ATX power supply BEH-630C is the ideal power supply for computer systems used in automation or mobile systems. Due to its widerange input from 18 to 36 V DC it remains unaffected by input voltage fluctuations. The BEH-630C is designed for an operating ambient temperature range of -10 up to +50 °C. Thanks to the softstart function the BEH-630C does require no higher inrush current as compared to normal operation.



DC input

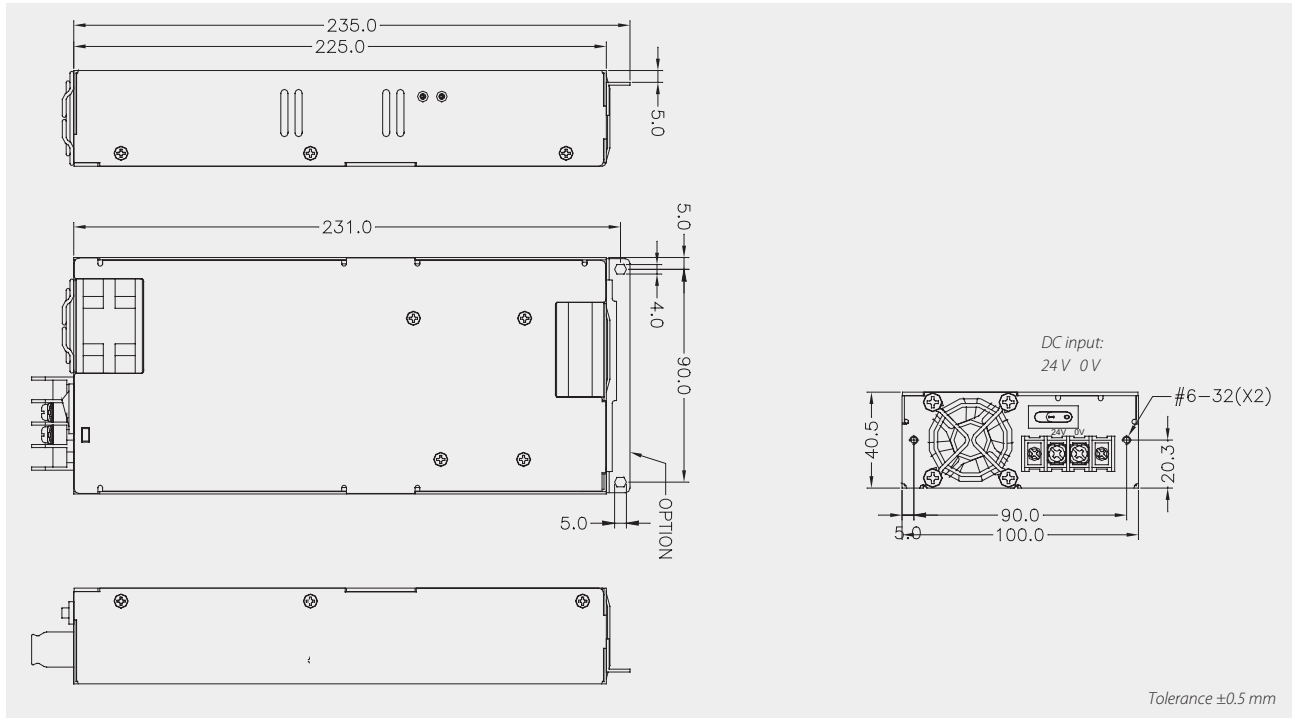
Technical data	
Input voltage	+24 VDC (18...36 V)
Input current	20 A max. (24 VDC), full load
Inrush current	<10 A (softstart function)
Efficiency	≥65 %
Hold up time	>1.6 ms
Power-Good-Signal	Switch on delay 100...500 ms
Protection	Short circuit protection: +3.3 V, +5 V, +12 V, switch off/-5 V, -12 V, +5 V _{sb} , auto-recovery Overload protection: 110...150 %, switch off Overvoltage protection: +3.3 V (+3.9...+5 V), +5 V (+5.5...+6.5 V), +12 V (+13...+15 V)
Insulation voltage	Input / Chassis 1500 VAC Input / Output 1500 VAC
Operating temperature	-10...+50 °C
Derating	+40...+50 °C, 1,67 % / °C
MTBF	87 000 h at +25 °C with fan (MIL-HDBK-217F)
Storage temperature	-20...+80 °C
Operating humidity	20...80 % RH, non-condensing
Dimensions (WxDxH)	100 x 225 x 40.5 mm ±0.5 mm
Weight (net)	1.4 kg

Article No.	Output voltage	Output current		Load regulation	Ripple & Noise
		min	max		
BEH-630C	+3.3 V	1 A	20 A	±5 %	50 mV
	+5 V	1 A	35 A	±5 %	50 mV
	+12 V	1 A	22 A	±5 %	120 mV
	-12 V	0.1 A	0.5 A	±5 %	150 mV
	-5 V	0.1 A	0.5 A	±10 %	120 mV
	+5 V _{sb}	0.1 A	2 A	±5 %	50 mV

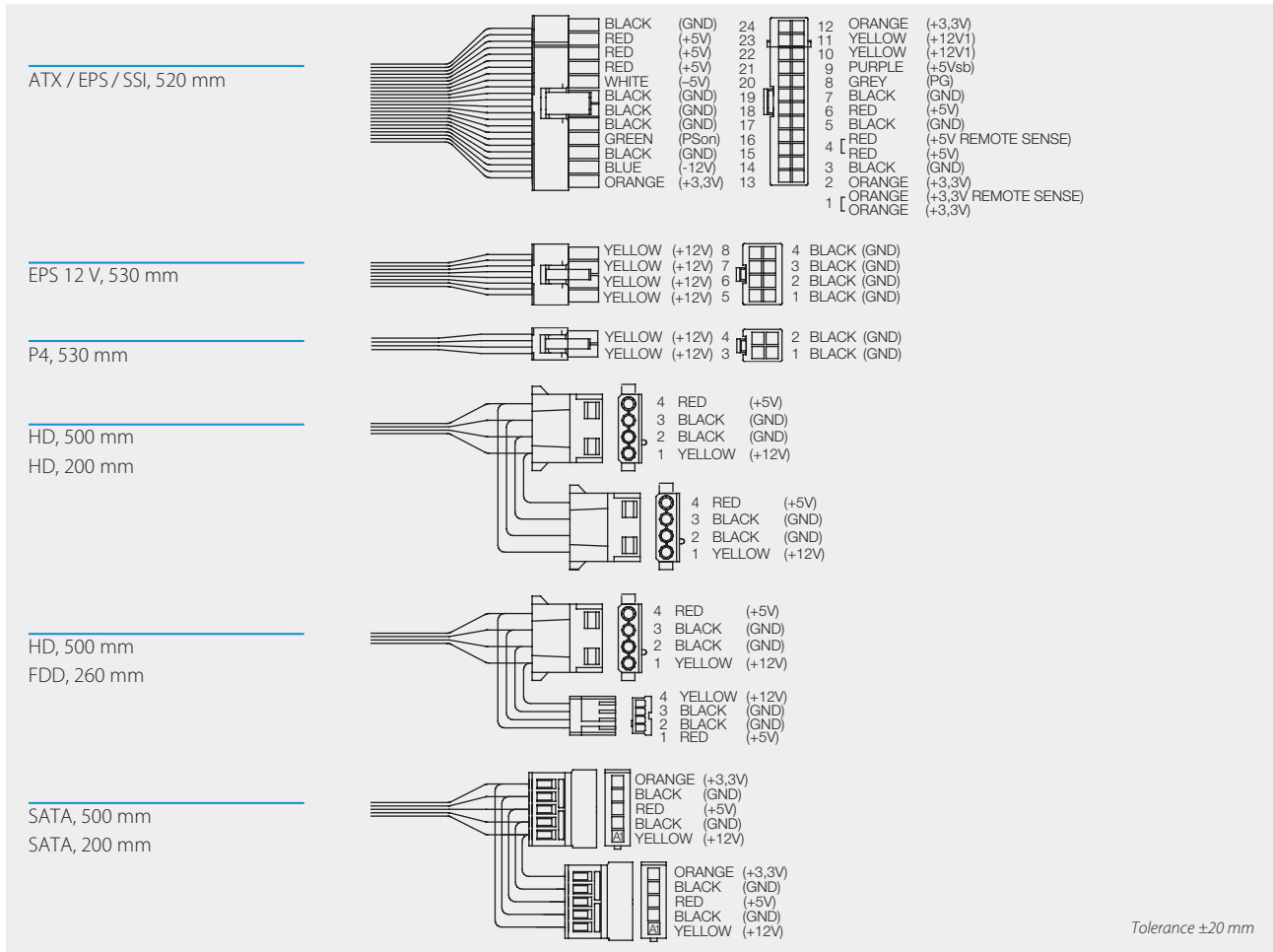
Max. output power is 300 W, combined output current at +3.3 V and +5 V must not exceed 40 A. Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 22 µF tantalum capacitor and 0.1 µF ceramic capacitor at each output. For keeping the conducted interference according to EN55022 (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-630C



Cable harness BEH-630C



Specification is subject to change without notice. Errors excepted. Status as at: 09.12.2011