BEH-631

300 Watt

- **Additional +24 V DC output**
- **Ideal for Point-of-Sale (POS)**
- **High efficiency of up to 84 %**

The BEH-631 is a standard industrial PC power supply with an additional +24 VDC output, which can be used to directly supply peripheral equipment such as printers, , magnetic card readers, scanners, etc. Typical fields of application are cash dispensers, equipment for access control, Point-of-Sale- (POS) and Point-of-Information- (POI) applications.

Technical data	
Input voltage	90…264 V AC, active PFC
Input frequency	47…63 Hz
Input current	4.5 A (115 V AC) / 2 A (230 V AC)
Inrush current	70 A (115 V AC) / 140 A (230 V AC)
Efficiency	Up to 84 %
Hold up time	>16 ms
Power-Good-Signal	Switch on delay 100…500 ms Switch off delay 1 ms
Protection	Short circuit protection: +5 V, +12 V, switch off /+3.3 V, -12 V, +5 V_{sb}, auto recovery Overload protection: 110…160 %, switch off Overvoltage protection: +3.3 V (3.6…4.3 V), +5 V (+5.6…+6.6 V), +12 V (+13.2…+14.6 V) Overcurrent protection: +3.3 V (11…16 A), +5 V (13.2…19.2 A), +12 V (16…18 A)
Earth leakage current	<3.5 mA, 115 V AC / 230 V AC
Operating temperature	0…+50 °C
Storage temperature	-20…+80 °C
Operating humidity	20…80 % RH, non-condensing
Dimensions (W x D x H)	81.5 x 190 x 40.3 mm ±0.5 mm
Weight (net)	1.2 kg

Article No.	Output voltage	Output current min	max	Load regulation	Ripple & noise
BEH-631	+24 V	0.1 A	6 A	±5 %	240 mV
	+3.3 V	0.5 A	10 A	±5 %	60 mV
	+5 V	1 A	12 A	±5 %	60 mV
	+12 V	2 A	16 A	±5 %	120 mV
	-12 V	0 A	0.3 A	±10 %	120 mV
	+5 V_{sb}	0.1 A	2 A	±5 %	60 mV

Max. output power is 300 W. Power at +3.3 V, +5 V, +12 V, –12 V and +5 Vsb is max. 200 W, combined at +3.3 V and +5 V it is 90 W. Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 220 µF electrolytic capacitor and 100 nF ceramic capacitor at each output.
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.

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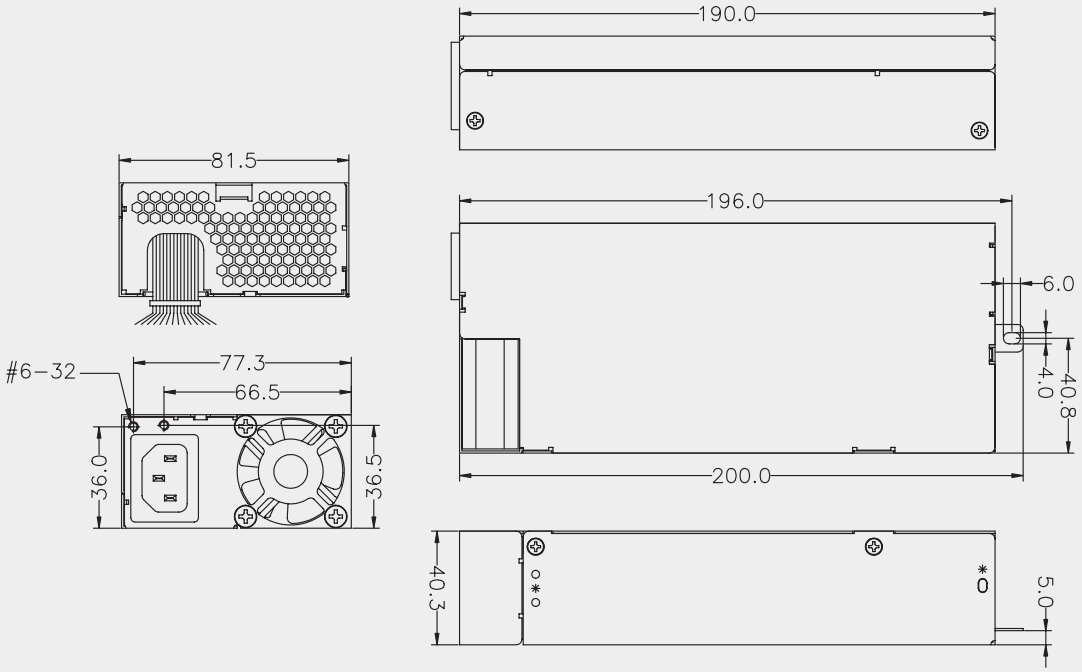
Drawing BEH-631

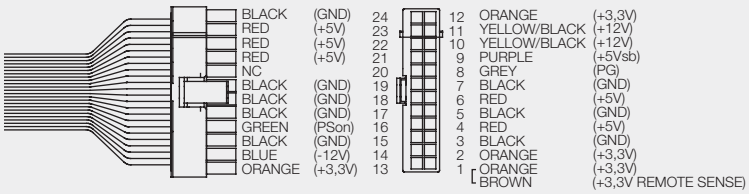


Tolerance ±0.5 mm

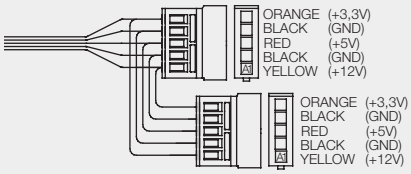
Cable harness BEH-631

PCI Express, 460 mm
6+2 Pin

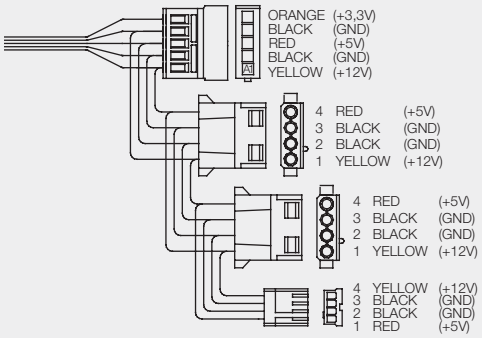
ATX/EPS, 460 mm
20+4 pin



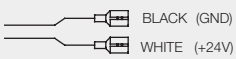
SATA, 460 mm
SATA, 200 mm



SATA, 400 mm
HD, 200 mm
HD, 200 mm
FDD, 200 mm



Fast On, 24 V, 510 mm



Tolerance ±20 mm