

# MRT-6300P-2AC-B2

300 Watt

- Silent due to regulated fan
- Real redundancy
- 2 power inputs

The mini-redundant MRT-6300P-2AC-B2 is designed as PS/2 substitute and for 19" rack servers as well as storage systems. If one plug-in power supply fails, the second unit takes over the full load without any interruption. Since the defect plug-in unit can be replaced during operation a very high availability of the system is guaranteed. Due to the separate mains connectors supply is possible from different networks as well (UPS).



## Technical data

Input voltage	90...264 V AC, active PFC
Input frequency	47...63 Hz
Input current	6 A (115 V AC) / 3 A (230 V AC)
Inrush current	60 A (115 V AC) / 80 A (230 V AC)
Efficiency	>64 %
Hold up time	16 ms
Power-Good-Signal	Switch on delay 100...500 ms
Protection	Short circuit protection: At each output Overvoltage protection: +3.3V (+3.9V...+5V)/+5V (+5.7V...+6.5V)/+12V (+13V...+15V) Overload protection: 110...160 %
Earth leakage current	<3.5 mA
Safety / EMC	TÜV, UL, cUL, CE
Temperature	Operating: 0...+45 °C / Storage: -20...+80 °C
MTBF	>107000 h according to MIL-HDBK-217F at +25 °C, without fan
Humidity	Operating: 10...85 % RH, non-condensing / Storage: 10...90 % RH, non-condensing
Dimensions (WxDxH)	150 x 185 x 86 mm ±0.5 mm
Weight (net)	3.4 kg

## Product specific data

Alarm functions	1. Reset for acoustic alarm, 2. Failure LED, 3. Open collector signal*
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\*Please visit our website [www.bicker.de](http://www.bicker.de) and refer to the article „MRT-6300P-2AC-B2“ to get the description of „Open collector / TTL Signal“.

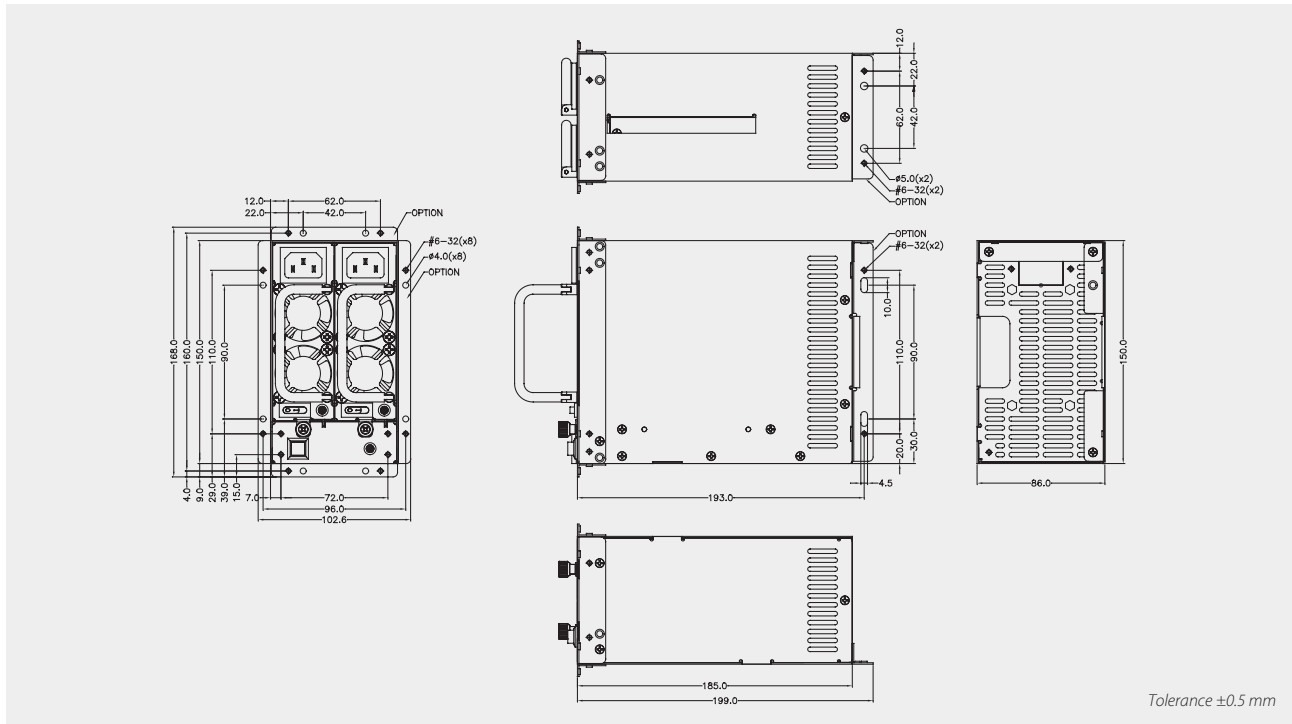
Article No.	Output voltage	Output current		Load regulation	Ripple & Noise
		min	max		
MRT-6300P-2AC-B2	+3.3 V	1 A	18 A	±5 %	±50 mV
	+5 V	3 A	25 A	±5 %	±50 mV
	+12 V	2 A	16 A	±7 %	±120 mV
	-12 V	0 A	0.5 A	±10 %	±150 mV
	-5 V	0 A	0.5 A	±10 %	±100 mV
	+5 V <sub>sb</sub>	0.1 A	2 A	±5 %	±60 mV

Combined output load at +3.3 V, +5 V and +12 V must not exceed 282 W. Combined output current at +3.3 V and +5 V must not exceed 35 A. 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.

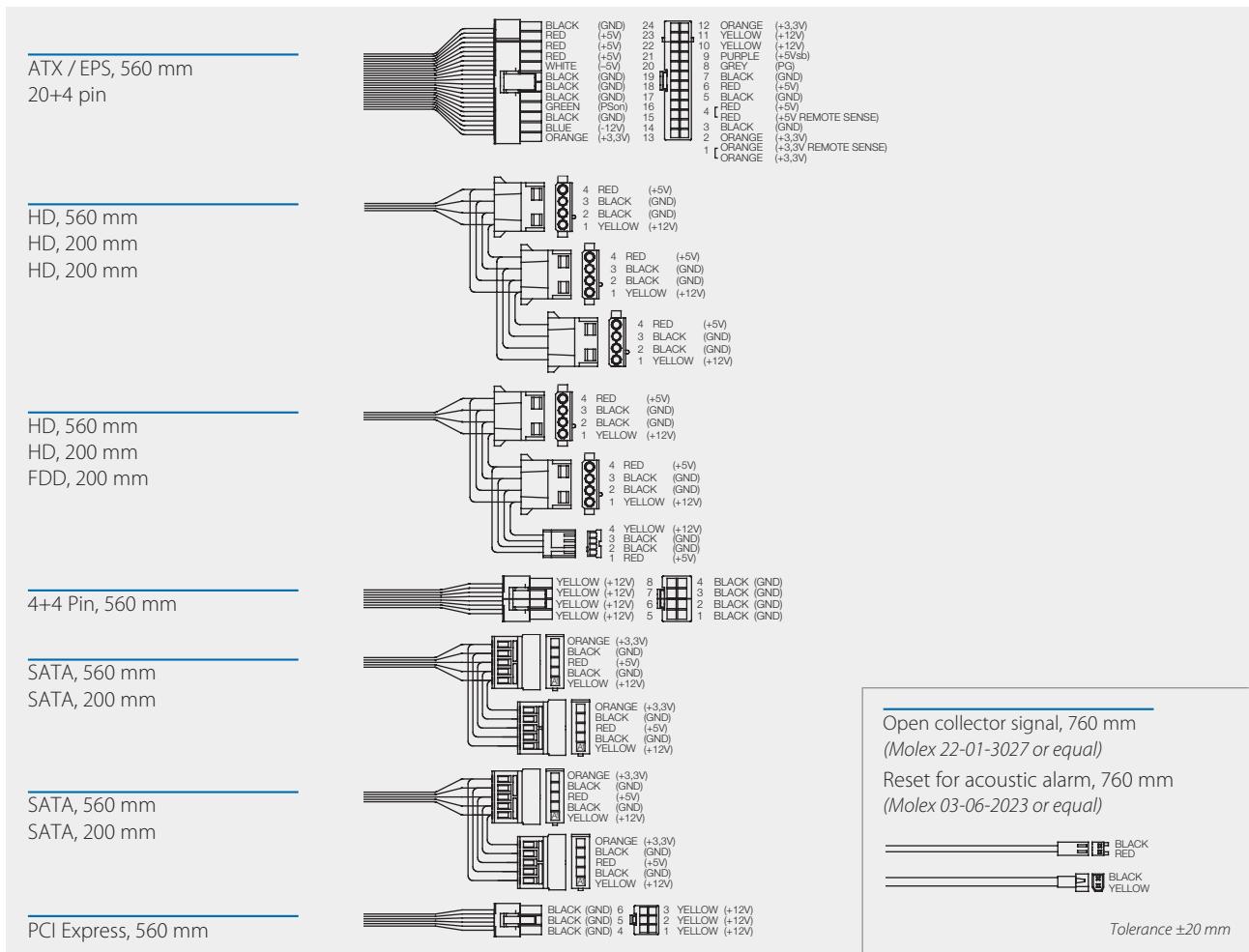
**Optional accessory** ▷▷▷ For detailed information please visit our website [www.bicker.de](http://www.bicker.de) and refer to the article number.

Article No.	Description
X1-132	Power cord with European IEC-60320-C13 connector
PSZ-1028	Reset button for acoustic alarm, with cable, 550 mm

## Drawing MRT-6300P-2AC-B2



## Cable harness MRT-6300P-2AC-B2



Specification is subject to change without notice. Errors excepted. Status as at: 14.01.2015