kontron

» MHG2-6300P «

300 Watt

» Medical PC power supply!
» Quiet due to advanced fan control
» Operating temperature -10°C to +50 °C

MHG2-6300P

300 Watt

The PC power supply MHG2-6300P is designed for medical applications and in keeping with the EN60601-1 and UL60601-1 standards. By its integrated temperature-controlled fan regulation it is quiet and, thus, ideal for medical practices and in surgeries. The MHG2-6300P provides an external grounding bolt, by which the PC can be kept at the same potential capacity as other components when required.

Technical Information

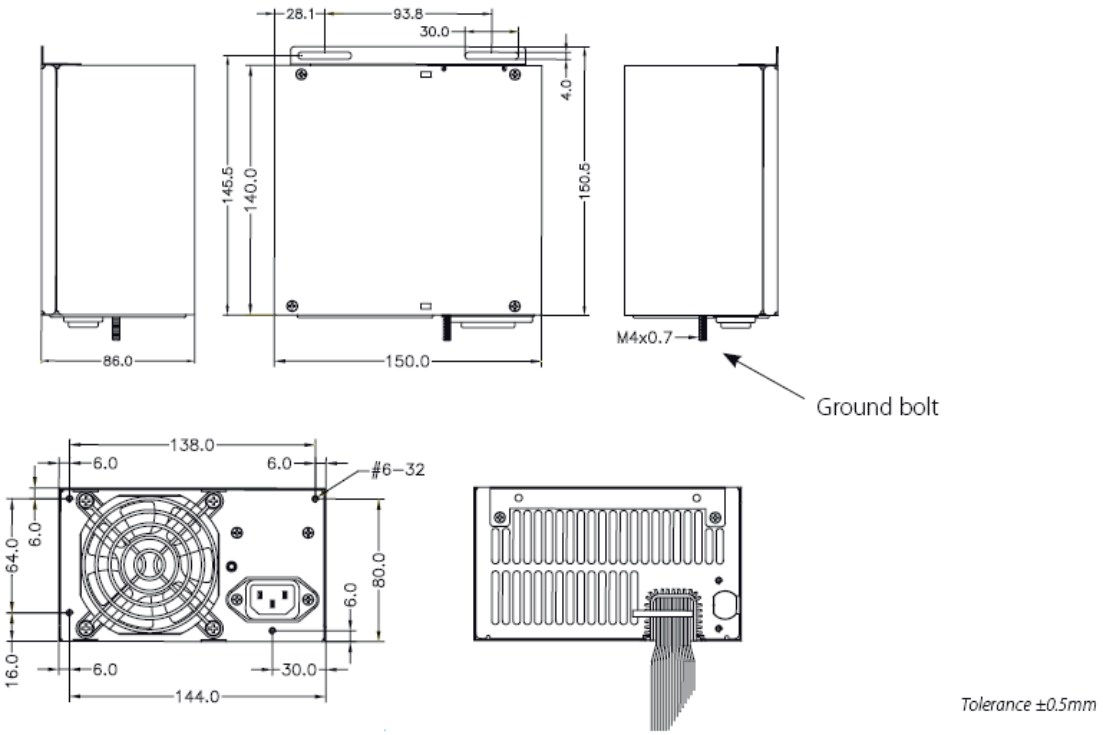
Input voltage	90 - 264 VAC, active PFC
Input frequency	47...63 Hz
Input current	5 A (115 VAC) / 2,5 A (230 VAC)
Inrush current	65 A (115 VAC) / 125 A (264 VAC)
Efficiency	≥75 %, 230 VAC / ≥70 %, 115 VAC (full load)
Hold up time	>16 msec
Power-Good-Signal	Switch on delay 100...500 msec Switch off delay 1 msec
Protection	Short circuit protection: at each output, switch off / +5 Vsb, auto-recovery Overload protection: 110 - 150 %, switch off Overvoltage protection: +3.3 V (+3.9 - +4.3 V), +5 V (+5.7 - +6.5 V), +12 V (+13.6 - +15 V)
Insulation voltage	Input / Chassis 3100 V DC Input / Output 4242 V DC
Earth leakage current	<300 µA, 115 VAC / 230 VAC
Safety / EMC	TÜV EN60601-1, UL60601-1, CE
Operating temperature	-10°C to +50 °C
Storage temperature	-40°C to +80 °C
Operating humidity	20- 80 % RH, non-condensing
Dimensions	150 x 140 x 86 mm ±0.5 mm
Weight (net)	1.95 kg

Ordering Information

Article No.	Output voltage	Output current min	Output current max	Load regulation	Ripple & Noise
MHG2-6300P	+3.3 V	0 A	28 A	±5 %	50 mV
	+5 V	3 A	35 A	±5 %	50 mV
	+12 V	2 A	22 A	±5 %	120 mV
	-12 V	0 A	0.5 A	±8 %	150 mV
	-5 V	0 A	0.5 A	±5 %	150 mV
	+5 Vsb	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 45 A. Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 220 µF electrolytic capacitor and 0.1 ìF ceramic capacitor at each output. During a cross regulation test we recommend to keep the channel with higher output load at 80 % of its max. power and the channel with lower output load at 20 % of its max. power. 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.

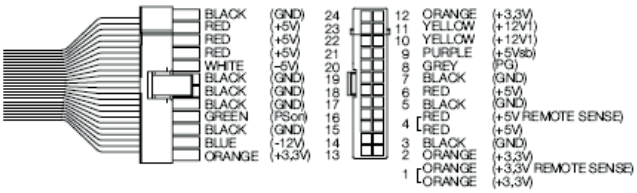
Drawing MHG2-6300P



Tolerance ±0.5mm

Cable harnless MHG2-6300P

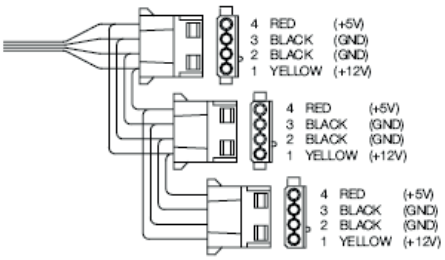
ATX / EPS, 500 mm
20+4 pin



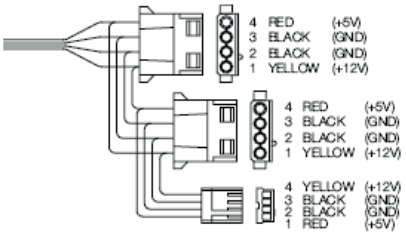
EPS 12V, 550 mm

P4, 550 mm

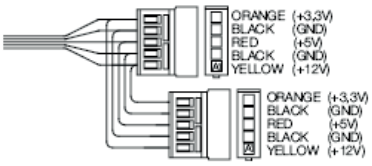
HD, 430 mm
HD, 150 mm
HD, 150 mm



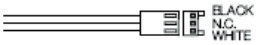
HD, 400 mm
HD, 150 mm
FDD, 150 mm



SATA, 450 mm
SATA, 200 mm



Fan control, 580 mm



CORPORATE OFFICES

Europe, Middle East & Africa
Lise-Meitner-Str. 3-5
86156 Augsburg
Germany
Tel.: +49 (0) 821 4086-0
Fax: +49 (0) 821 4086 111
sales@kontron.com

North America
14118 Stowe Drive
Poway, CA 92064-7147
USA
Tel.: +1 888 294 4558
Fax: +1 858 677 0898
info@us.kontron.com

Asia Pacific
17 Building,Block #1, ABP.
188 Southern West 4th Ring Road
Beijing 100070, P.R.China
Tel.: +86 10 63751188
Fax: +86 10 83682438
info@kontron.cn