

Input:	Nominal input voltage: Input voltage range, selection by jumper on the PC-board: Nominal frequency: Current: Inrush current: Connector X1: Max. external fuse: Efficiency: Power factor:	115 or 230 V AC 95 ... 132 V (X3 ON) , 185 ... 265 VAC (X4 ON, default) 50/60 Hz 0,77 A 115V / 0,44 A 230V < 3,0 A 3 x 2,5 mm ² 16 A 82% 0,46 typical
Output:	Output voltage: Ripple: Nominal current: Hold up time at nominal conditions: Connector X2 -1: X2 -2/3: Regulation dyn. Output shortcircuit and overload protected By overload the output voltage starts to decrease, typically. With heavy overload the output current starts to pulsate, typically	24 V +/- 0.5 V < 100 mV pp (< 200 kHz) 1,7 A (50°C) > 40ms (230 VAC, 1,7 A load) > 20ms (115 VAC, 1,7 A load) > 200us after falling edge of the PWR-fail signal Output with 3 parallel-connected 390 ohm load resistors resistor, JST B3P-VH Output 24 VDC, JST B3P-VH 0 -> 100 -> 5 % x I nom <1 ms bei 5 % change > 1,9 A > 2,9 A
Power fail output:	Combined signal from the input side capacitor voltage and the 24 VDC-output voltage monitoring circuits. Input side monitoring: Output side monitoring: Status indicator with green LED: Power fail signal: Connector X2 -4:	Minimum capacitor voltage for 200us holdup time Voltage treshold 22,0 ... 23,0 V When lit, PWR FAIL signal is high, not activated Active low with passive pull-down resistor 3,3 kohm. Signal level 24 VDC output, max. external load 3,3 kohm (7,3 mA). Power fail signal output, active low, JST B4P-VH
Other:	Temperature range: Relative humidity MTBF	0 °C ... 50 °C 30 ... 90 %, no condensing > 500 000h

Standards:

EN50081-2
EN50082-2
EN61000-6-4
EN 61000-6-2
EN 50178, Electrical safety
UL508

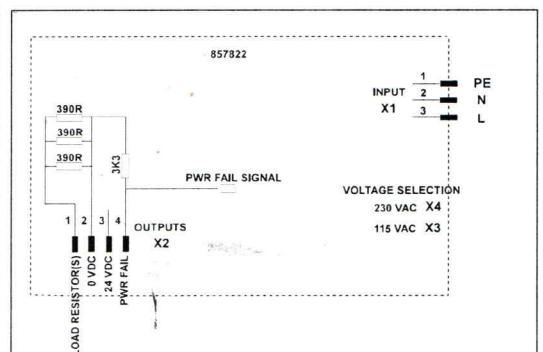
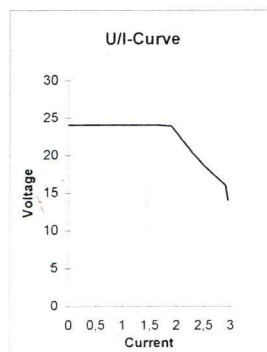
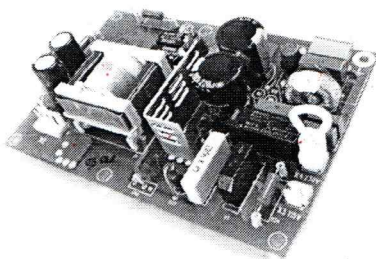


Housing:

Dimensions, open frame: 145 x 100 x 40 mm (W x H x D)
Weight: 0,21 kg
Fixing: with M4 combiscrews, not included
Laquering: Yes
Mounting: PC-board vertically, due to the natural convection

Handling:

Note! ESD-sensitive components on the PC-board.
Note ! After disconnecting from the mains internal voltages remain at the hazardous level for 2 minutes.



DATA SHEET

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Switch mode power supply 115 / 230 VAC / 24 VDC / 1,7 ADC

AGPS21 GDR POWER SUPPLY, 40 W.

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