



Millenium power supply PS Part number 88950307



- With a switch mode power supply, regulated and protected against overloads and short-circuits, these new power supply units are easily integrated in switchboards and enclosures.
- The potentiometer can be used to set the output voltage between 100 and 120 % (24 VDC versions) to compensate for any voltage drops on the line.
- The LED continuously signals the presence of voltage at the output and, when flashing, triggering of the self-protection.
- Broad range of supply voltage
- Double insulation

Part numbers

	Type	Nominal output voltage	Nominal power	Nominal output current
88950307	PS	24 V DC (22,8 V → 28,8 V)	30 W	1,2 A

Specifications

Environmental characteristics

Conformity to standards	IEC/EN 60950-1 IEC/EN 61000-6-2 IEC/EN 61000-6-3 IEC/EN 61204-3 IEC/EN 60364-4-41 EN 55022 (CISPR22)
Certifications	CE, UL, CSA, TÜV
Emission	Harmonic : IEC / EN 61000-3-2
Operating temperature	-25 → +55 °C
Storage temperature (°C)	-40 → +70 °C
Protection class	Class 2 (Double insulation)

Electrical characteristics

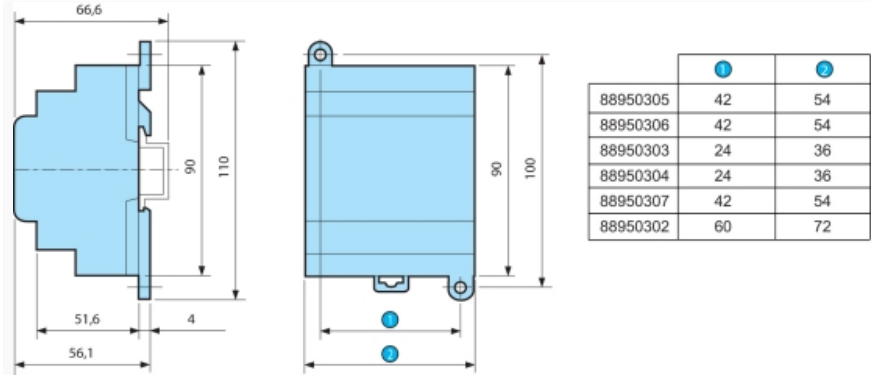
Input voltage	100 → 240 V AC single-phase
Supply frequency range	50/60 Hz (+4 % / -6 %) or 47 → 53 Hz / 57 → 63 Hz
Output voltage	Adjustable from 100 → 120 %
Peak current on energisation	< 20 A (Except for 88950302 : 90A during 1 ms)
Regulation of line and load	± 3 %
Immunity from micro power cuts	< 10 ms (100 V AC) < 150 ms (230 V AC)
Thermal protection	Yes
Technology	Primary switch mode electronic power supplies
Short-circuit protection	Yes
Overload protection	Yes
Primary protection	Fuse gG 2 A or circuit breaker 2A curve D for 88950303, 88950304, 88950305, 88950306, 88950307 Fuse gG 3 A or circuit breaker 3A curve D for 88950302
Reset after overload	Automatic
Dielectric strength	Input / output 3000VAC / 50 Hz / 1mn Input / output 3000VAC / 50 Hz / 1mn Input / output 3000VAC / 50 Hz / 1mn Input / output 3000VAC / 50 Hz / 1mn
Status indication	LED at the output

Mechanical characteristics

Mounting	On section, 35 x 7, 5 mm and 35 x 15 mm or on panel (2 x Ø4 mm)
Screw terminals connection capacity	Input connection 2 x 0,14 → 2,5 mm ² (AWG26...AWG14) Output connection 1 x 0,14 → 2,5 mm ² (AWG26...AWG14)

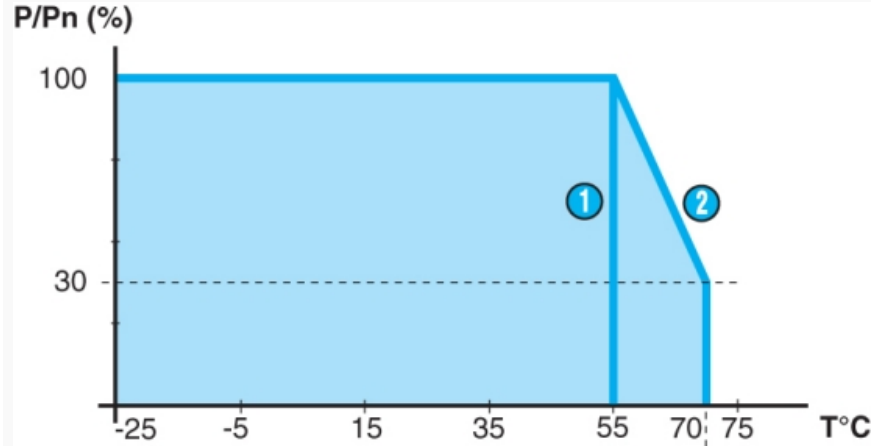
Dimensions (mm)

PS



Curves

Derating



The ambient operating temperature of the Millennium power supplies is 55 °C. Above this, a derating is needed upto a maximum operating temperature of 70 °C. The chart below shows the power (compared to the nominal power) that can be permanently supplied by the Millenium power supplies, depending on the operating temperature.

N°	Legend
①	88950302
②	8895030x

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