

## Millenium 3 accessories - "Millenium Supply" switch mode power supply - 89450 without PFC

### Selling points of the range

- ✦ Electronic and regulated
- ✦ 85 to 264 VAC input
- ✦ Conforms to global standards
- ✦ Incorporated thermal protection
- ✦ PFC filter option



### Part number characteristics

**89450210**

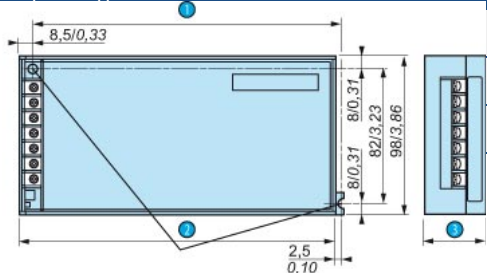
Input voltage (V)	100 @240 V AC
Output voltage (V)	24 V DC
Nominal power	60 W
Nominal current	2.5 A
Reset on protection	Automatic
Conforms to EN 61000-3-2	No
Weight (kg)	0.44

### General characteristics

Certifications	UL, cCSAus
Conformity to standards	Generic: UL 508, CSA 22.2 no. 60950
	Safety: IEC/EN 60950-1
	EMC: EN 61000-6-3, EN 61000-6-2
	LF harmonic currents: EN 61000-3-2
<b>Output circuit</b>	
Status indication	Green LED
Operating voltage (Ue)	
Nominal output current (A)	5 - 8.3 at 12 V and 2.5 - 4.2 - 6.2 - 10 at 24 V
Output voltage accuracy	± 10%
Line and load regulation	± 3%
Residual ripple	< 200 mV
Protection against short circuits	Continuous, automatic restart
Protection against voltage surges	U > 1, 2U out
Thermal protection	Yes
<b>Input circuit</b>	
Nominal voltage (V)	100@240 VAC (60 and 100W), 115/230 VAC (150 and 240W)
Current consumption (mA)	Ue = 240 2 A (60W) - 0.7 A (100W) - 2.5 A (150W) - 3 A (240W) Ue = 100 2 A (60W) - 1.4 A (100W) - 5 A (150W) - 6 A (240W)
<b>Operating characteristics</b>	
Connection capacity	Input: 2 x 4 mm <sup>2</sup> + earth Output: 2 x 4 mm <sup>2</sup> (60W) ; doubled for 100, 150 and 240W
Ambient storage temperature (°C)	-25@+85
Relative humidity	20@90% RH
Vibrations	Conforming to EN 61131-2
Temperature Use (°C)	Voir courbes de déclassement
MTBF	>100.000 hr at 100% load (at 40°)
Generic immunities	Conforming to IEC 61000-6-2
Immunity to electrostatic discharges	Conforming to IEC 61000-4-2 level 3 (4 kV contact/8 kV air)
Immunity to electromagnetic discharges	Conforming to IEC 61000-4-3 level 3 (10V/m)
Immunity to conducted disturbances	Conforming to IEC 61000-4-4 level 3 (2 kV), EN 61000-4-5, EN 61000-4-6 level 3, EN 61000-4-8 level 4, IEC/EN 61000-4-12 level 3
Immunity to mains supply disturbances	Conforming to IEC/EN 61000-4-11 (voltage dips and interruptions)
Incorporated input fuse	Yes
Emission	Generic: conforming to EN 61000-6-3
Connections	Conducted/radiated: conforming to EN 55011, EN 55022 c1B
Dielectric strength	Input/output: 3000AC 50/60 Hz 1 min
	Input/earth: 1500AC 50/60 Hz 1 min
	Output/earth: 500AC 50/60 Hz 1 min

### Dimensions

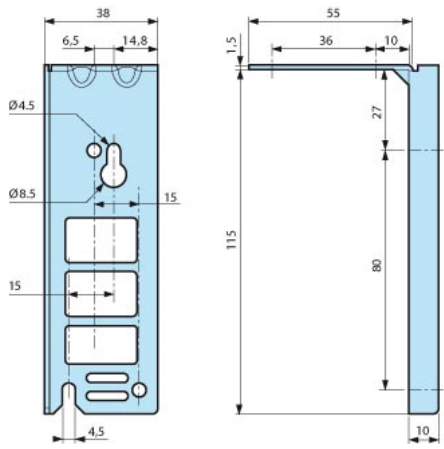
89450 power supplies



N° Legend

1	89 450 110-210: 144 mm 89 450 221-231-241: 194 mm 89 450 122-222-232-242: 194 mm
2	89 450 110-210: 150 mm 89 450 221-231-241: 200 mm 89 450 122-22-232-242: 200 mm
3	89 450 110-122-210-221: 38 mm 89 450 231-232: 50 mm 89 450 241-242: 65 mm

Mounting bracket



Snap-on plate

N <sup>o</sup>	Legend
1	

### Accessories

Description	Weight (kg)	Code
Mounting bracket	0.085	26450100
Snap-on plate for 35 mm DIN rail	0.035	26450101

### Curves

Derating

N <sup>o</sup>	Legend
1	
2	