

regulated, 120 W



<b>Identification</b>	Type	CPSB1-120-24
	Part-No.	723500
<b>Description</b>	Primary switchmode power supply, PFC, Single-phase Input: wide-range input AC 85–264 V, DC 110–345 V Output: DC 24 V, adjustable	

25.08.2017 – Subject to technical modification

Part-No. 723500

USA: LUTZE INC.

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## Technical data sheet · Power supply

### Input

Number of phases	1
Rated voltage $U_N$	AC 120/240 V
Operation voltage range	AC 85–264 V / DC 110–345 V
Line frequency	47 – 63 Hz
Rated current $I_N$	2.1 A @ AC 120 V / 1.2 A @ AC 240 V
Inrush current	<40 A
Internal fuse	T3, 15 A/AC 250 V
External fuse	Mini-circuit breaker: C 6 A
Power Factor Correction P.F.C.	>0.6

### Output

Rated voltage $U_N$	DC 24.00 V
Rated current $I_N$	5.00 A
Max. output current	7 A, 30 s
Heat dissipation	<18 W
Setting range $U_{out\ min.}/U_{out\ max.}$	DC 23–28 V
Load regulation	<1 %
Ripple and Noise	<60 mV
Hold up time	>10 ms @ AC 120 V / >60 ms @ AC 230 V
Status indication DC ON LED green	$\geq 21.6$ V
Status indication DC LOW LED red	$\leq 21.6$ V
Parallel / redundant mode	yes/via external decoupling diode e.g. 722999
Efficiency	>87 %
Overtemperature protection	yes
Over voltage protection	>DC 33 V ( $U_A=24$ V)
Short circuit	Hiccup Mode

### Monitoring

DC ON Control (Rdy)	N/O contact
Switching voltage	AC 300 V / DC 150 V
Switching current	AC/DC 1 A
Switching capacity	300 VA / 30 W
Isolation voltage	AC 500 V

### General

Insulation voltage input / output	DC 4.2 kV
Insulation voltage input / ground	DC 2.2 kV
Insulation voltage output / ground	DC 750 V
Derating	>60 °C: -2.4 W/°C
Operation temperature range	-20 °C ... +70 °C (Derating)
Storage temperature range	-25 °C ... +85 °C

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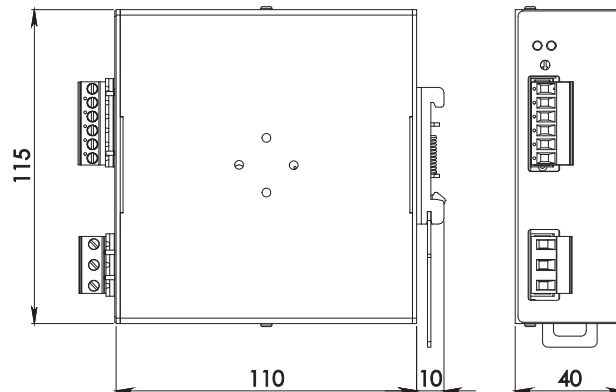


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Cooling	Air convection, 50 mm distance top/bottom, 20 mm side
Housing material	Aluminum
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	vertical
Protection class	IP20 (IEC 529, EN 60529)
Protection class	I
Over voltage category	III
Degree of pollution	2
Weight	0.400 kg/piece
Connection device	Screw terminal 0.20 mm <sup>2</sup> – 2.5 mm <sup>2</sup> plug-in
Dimensions (w × h × d)	40.0 × 115.0 × 110.0 mm
Approvals	cULus (E249179)
Standards	IEC 950 EN 60950 UL 60950 EN 61000-6-2 EN 61000-6-4 EN 61000-4-2/3/4/5/6/11
PU	1 piece

### Dimensions



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