

regulated, 480 W



Identification	Type	CPSB1-480-24E
	Part-No.	723700
Description	Primary switchmode power supply, PFC, Single-phase Input: AC 90–264 V, DC 110–345 V Output: 24 V, adjustable	

25.08.2017 – Subject to technical modification

Part-No. 723700

USA: LUTZE INC.

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Input

Number of phases	1
Rated voltage U_N	AC 120/240 V
Operation voltage range	AC 90–264 V / DC 110–345 V
Line frequency	47 – 63 Hz
Rated current I_N	4.8 A @ AC 120 V / 2.4 A @ AC 240 V
Inrush current	<35 A
Internal fuse	T8 A
External fuse	Mini-circuit breaker: C 16 A, T 10 A
Power Factor Correction P.F.C.	>0,90, enabled

Output

Rated voltage U_N	DC 24.00 V
Rated current I_N	20.00 A
Max. output current	30 A, 5 s @ Hiccup Mode
Heat dissipation	<36.5 W
Setting range $U_{out\ min.}/U_{out\ max.}$	22-29 V
Load regulation	<1.5 %
Ripple and Noise	<150 mV pp
Hold up time	>25 ms @ AC 240 V
Status indication DC ON LED green	≥ 21.6 V
Status indication DC LOW LED red	≤ 21.6 V
Parallel / redundant mode	yes/via external decoupling diode e.g. 722999
Efficiency	>93 % @ AC 240 V
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/DC 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, 1 min.
Insulation voltage input / ground	DC 2.2 kV, 1 min.
Insulation voltage output / ground	DC 750 V, 1 min.
Derating	>50 °C: -7.6 W/°C @ 120 V, -7.2 W/°C @ 240 V
Operation temperature range	-20 °C ... +70 °C (Derating)
Storage temperature range	-25 °C ... +85 °C

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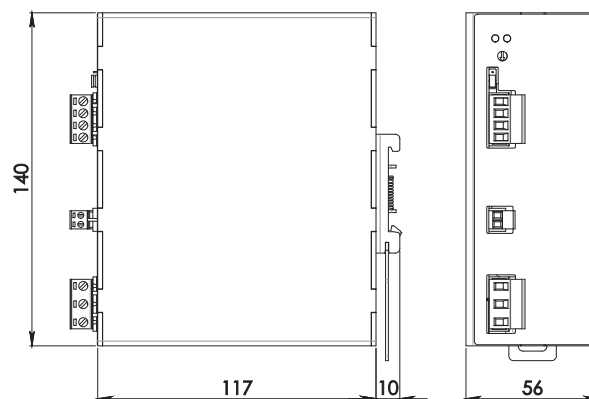


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Cooling	Air convection, 50 mm distance top/bottom, 20 mm side
Housing material	Aluminum
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	vertical
Protection class	IP20 (IEC 529, EN 60529)
Over voltage category	III
Degree of pollution	2
Weight	1.100 kg/piece
Connection device	Screw terminal 0.20 mm ² – 2.5 mm ²
Dimensions (w × h × d)	56.0 × 117.0 × 140.0 mm
Approvals	cULus (E249179)
Standards	EN 60950 EN 50178 EN 50082-2 EN 55011 Class B EN 55022 Class B EN 60529 EN 61000-4-2/3/4/5/6/11 IEC 60068-2-27 EN 61000-3-2
PU	1 piece

Dimensions



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