

Single-phase switching power supply 120-230 Vac 72 W output power

- Single-phase input 90...264 Vac / DC 100...370 Vdc
- Short circuit, overload, over temperature, input / output overvoltage protections
- Isolation Class 2, no grounding needed
- Compact dimensions
- Suitable for applications in SELV and PELV circuits

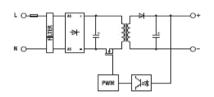
The depth dimension includes the DIN rail clamp.

- (1) With 85...100 Vdc input, constant power, the output current shall be reduced by 30%
- $^{(2)}\,$ Please apply a derating factor of -0.015 A/°C (24Vdc version) or -0.03 A/°C (12Vdc version) for temperature above 50°C
- (3) The value of the supplied current also depends upon the line





BLOCK DIAGRAM



VERSIONS	Cod. XCSD1072W024AA	Cod. XCSD1072W012AA
Output 24 Vdc 3 A	CSD1072W024AA	
Output 12 Vdc 6 A		CSD1072W012AA
INPUT TECHNICAL DATA		
Input rated voltage	120-230 Vac (range 90264 Vac / 100370 Vdc) (1)	
Frequency	4763 Hz	
Current @ nominal lout (Uin 120 / 230 Vac)	1.25 A / 0.8 A ± 10%	
Inrush peak current	< 15 A	
Power factor	> 0.6	
Internal protection fuse	T 1 A replaceable	
External protection on AC line	circuit breaker: 2 A - C characteristic - fuse: T 2 A	
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OUTPUT TECHNICAL DATA		
Output rated voltage	24 Vdc	12 Vdc
Output adjustable range	24 - 28 Vdc	12 - 15 Vdc
Continuous current	3 A @ 55°C (2)	6 A @ 55°C (2)
Overload limit	4 A (3)	6.5 A (3)
Short circuit peak current	-	_
Load regulation	< 1%	
Ripple @ nominal ratings	≤ 50 mVpp	
Hold up time @ In (Uin 120 / 230 Vac)	>12 ms / >20 ms	
Overload / short circuit protections	hiccup at the overload limit with auto reset / over temperature	
Status signals Uout threshold for alarm contact	"DC OK" green LED	
Parallel connection	possible	
Redundant parallel connection	possible with external ORing diode	
reduitable parallel conficence.	possible with external Orthly diode	
GENERAL TECHNICAL DATA		
Efficiency (Uin 120 / 230 Vac)	>89%	>89%
Dissipated power (Uin 120 / 230 Vac)	9,6 W / 7,9 W	10 W / 8,5 W
Operating temperature range	-20+60°C, with derating over	55°C / thermal protection (2)
Input / output isolation	3 KVac / 60 s - SELV output	
Input / ground isolation	class 2 without PE connection	
Output / ground isolation	class 2 without PE connection	
Standard / approvals	IEC950, EN60950, UL508, UL60950	
EMC Standards	EN61000-6-2, EN61000-6-3	
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Overvoltage category / Pollution degree	II / 2	
Protection degree	IP 20	
Connection terminal	2.5 mm², screw type fixed (24-12 AWG)	
Housing material	UL94V-0 plastic material	
Approx. weight	130 g	
Mounting information	vertical on rail, allow 10 mm spacing between adjacent components	
MOUNTING ACCESSORIES	15.1555 51.151, Silver 15 min opacing sourcer adjacent compensate	
Mounting rail type according to IEC60715/TH35-7.5	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	
mounting run type decording to 120007 for 11100 7.0	TIONAO, TIONAOIED	, 110,710, 1110/70/20

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XCSD1072W English