



Single phase power supply input
120-230Vac / output $\pm 5 \dots \pm 15 \text{Vdc}$ 2.1A@12V

Series	Domotic Power
Code	XCSD1060W012VAD
Type	CSD1-060W/012V/AD
HS code	85044083
INPUT TECHNICAL DATA	
Input rated voltage	120–230 Vac
Input voltage AC	90...264 Vac
Input voltage DC	100...370 Vdc (derating U_{in})
Frequency	47...63 Hz
Current consumption	0.94 A (120 Vac) / 0.54 A (230 Vac)
Inrush peak current	15 A
Power factor	> 0.6
Internal protection fuse	T 2 A
External protection on AC line	MT: C-3 A / Fuse: T-3.15 A
OUTPUT TECHNICAL DATA	
Output voltage range	$\pm 5 \dots \pm 15 \text{Vdc} \pm 1\%$
Output adjustable range	$\pm 5 \dots \pm 15 \text{Vdc}$
Continuous current	2.5 A ($\pm 5 \text{Vdc}$), 2.3 A ($\pm 10 \text{Vdc}$), 2.1 A ($\pm 12 \text{Vdc}$), 1.7 A ($\pm 15 \text{Vdc}$)
Overload limiting	7.5 A ($\pm 5 \text{Vdc}$), 5.9 A ($\pm 10 \text{Vdc}$), 5.4 A ($\pm 12 \text{Vdc}$), 4.8 A ($\pm 15 \text{Vdc}$)
Ripple @ nominal ratings	50 mVpp
Hold up time	20ms
Status indication	LED "DC OK"
Parallel connection	possible
Redundant parallel connection	possible with external ORing diode
GENERAL TECHNICAL DATA	
Efficiency	75% (5 Vdc output) / 83% (12 Vdc output)
Dissipated power	9.4 W (120 Vac) / 9.5 W (230 Vac)
Operating temperature range	-20...+60°C (derating 2W > 55°C)
Input / output isolation	3 kVac / 60 s (SELV output)
Input / ground isolation	class 2, without PE link
Output / ground isolation	class 2 without PE connection
Standard / approvals	EN 62368-1
EMC Standard	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Overvoltage category / pollution degree	II / 2
Protection degree	IP 20
Connection terminal	2.5 mm ² / 2.5 mm ²
Housing material	UL94V-0 plastic material
Dimensions (LxHxD)	71x62x90 mm
Approximate weight	200 g
Mounting information	vertical on a rail, 10 mm from adjacent components
ACCESSORIES	
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Alarm contact	no
Mounting rail (IEC60715/TH35-15)	PR/3/PP, PR/3/PP/ZB, PR/3/PA, PR/3/PA/ZB
APPROVALS AND MARKINGS	CE, 



* Single phase and DC input* Short circuit, overload and input overvoltage protection* Over temperature protection* Suitable for standard applications* Isolation Class 2, no grounding needed
1 Please refer to the datasheet for more details2 Above overcurrent limit, the protection starts cycling in ON/OFF mode(hiccup autoreset), the maximum current supplied depends by the line resistance

DESCRIZIONE DEL PRODOTTO

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