



Single phase power supply input 120-230Vac / output 5-15Vdc max.4A

Series	Domotic Power
Code	XCSD1030W012VAA
Type	CSD1-030W/012V/AA
HS code	85044083
INPUT TECHNICAL DATA	
Input rated voltage	120~230 Vac
Input voltage AC	85...264 Vac
Input voltage DC	100...370 Vdc (derating Uin)
Frequency	47...63 Hz
Current consumption	0.56 A (120 Vac) / 0.34 A (230 Vac)
Inrush peak current	5 A
Power factor	> 0.6
Internal protection fuse	T 2 A
External protection on AC line	MT: C-3 A / Fuse: T-3 A
OUTPUT TECHNICAL DATA	
Output voltage range	12 Vdc
Output adjustable range	5...15 Vdc
Continuous current	4A (5V), 2.9A (10V), 2.5A (12V), 2.0A (15V) at 55°C
Overload limiting	6.9...3.0 A
Ripple @ nominal ratings	50 mVpp
Hold up time	12 ms (120 Vac) / 20 ms (230 Vac)
Status indication	LED "DC OK"
Alarm contact	no
Parallel connection	possible
Redundant parallel connection	possible with external ORing diode
GENERAL TECHNICAL DATA	
Efficiency	87% (120 Vac) / 86% (230 Vac)
Dissipated power	4.1 W (120 Vac) / 4 W (230 Vac)
Operating temperature range	-20...+70°C (derating -1.2 W >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
Safety Standard	EN 62368-1, UL508
EMC Standard	EN 61000-6-2, EN 61000-6-3
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)	53x62x90 mm
Approximate weight	148 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
Mounting rail (IEC60715/TH35-15)	PR/3/PP, PR/3/PP/ZB, PR/3/PA, PR/3/PA/ZB
APPROVALS AND MARKINGS	



* Single phase and DC input* Short circuit, overload, input and output overvoltage protections* 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

PRODUCT DESCRIPTION

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