



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                                                                                                                  |
| <b>INPUT TECHNICAL DATA</b>             |                                                                                                                           |
| 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                                                                                                |
| <b>OUTPUT TECHNICAL DATA</b>            |                                                                                                                           |
| 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                                                                                        |
| <b>GENERAL TECHNICAL DATA</b>           |                                                                                                                           |
| 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 <sup>2</sup> / 2.5 mm <sup>2</sup>                                                                                 |
| 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                                                                        |
| <b>ACCESSORIES</b>                      |                                                                                                                           |
| 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

CSD1-060W/012V/AD

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