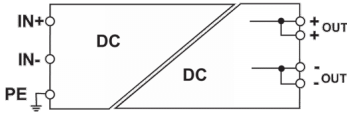
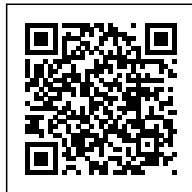


DC/DC converter IN: 12Vdc / OUT: 24Vdc 5A



|   |  |
|---|--|
| Code                                    | XCSA120BC  |
| Type                                    | CSA120BC   |
| HS code                                 | 85044083   |
| <b>INPUT TECHNICAL DATA</b>             |  |
| Input rated voltage                     | 12 Vdc   |
| Input voltage DC                        | 10.5...18 Vdc  |
| Current consumption                     | 10 A (12 Vdc) ±10%                                     |
| Inrush peak current                     | 60 A   |
| Internal protection fuse                | T 20 A   |
| External protection on AC line          | MT: C-25 A / Fuse: T-25 A                              |
| <b>OUTPUT TECHNICAL DATA</b>            |  |
| Output voltage range                    | 24 Vdc   |
| Output adjustable range                 | 22.5...27.5 Vdc  |
| Continuous current                      | 5 A (24 Vdc)   |
| Overload limiting                       | 6.5 A  |
| Short circuit peak current              | 12 A for 300 ms  |
| Ripple @ nominal ratings                | 100 mVpp   |
| Hold up time                            | 1 ms   |
| Status indication                       | LED "DC OK"  |
| Parallel connection                     | possible   |
| Redundant parallel connection           | possible with external ORing diode                     |
| <b>GENERAL TECHNICAL DATA</b>           |  |
| Efficiency                              | 83% (12 Vdc)   |
| Dissipated power                        | 25 W (12 Vdc)  |
| Operating temperature range             | -20...+50°C  |
| Input / output isolation                | 2.1 kVdc / 60s   |
| Input / ground isolation                | 1.41 kVdc / 60s  |
| Output / ground isolation               | 0.75 kVdc / 60s  |
| Standard / approvals                    | EN 60950-1   |
| 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                        | aluminium  |
| Dimensions (LxHxD)                      | 40x130x115 mm  |
| Approximate weight                      | 550 g  |
| Mounting information                    | vertical on a rail, 10 mm from adjacent components     |
| Alarm contact                           | no   |
| <b>ACCESSORIES</b>                      |  |
| 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                  | CE,  |



\* DC wide range input\* Short circuit, overload, input and output overvoltage protections\* Over temperature protection\* Compact dimension  
**1** Please refer to the datasheet for more details**2** Above overcurrent limit, the protection starts cycling in ON/OFF mode(hiccup autoreset), the maximum current supplied depends by the line resistance**3** Inrush current measured at Un with battery power supply; peak current varies according to the internal impedance of the current source and the resistance of the connections.**4** The capacitors between phase and neutral, requires that the isolation tests are carried out in DC

## DESCRIZIONE DEL PRODOTTO

DC/DC converter IN: 12 Vdc / OUT: 24 Vdc 5 A