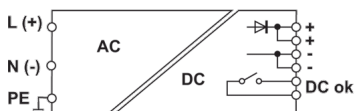
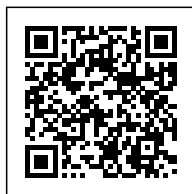


Single-phase power supply input
120-230Vac / output 24Vdc 5A



| | |
|--|--|
| Series | COOL POWER |
| Code | XCSF120CP |
| Type | CSF120CP |
| HS code | 85044083 |
| INPUT TECHNICAL DATA | |
| Input rated voltage | 120–230 Vac |
| Input voltage AC | 90...264 Vac |
| Input voltage DC | 100...345 Vdc (derating Uin) |
| Frequency | 47...63 Hz |
| Current consumption | 1.9 A (120 Vac) / 1.1 A (230 Vac) |
| Inrush peak current | 20 A |
| Power factor | > 0.65 |
| Internal protection fuse | T 3.15 A |
| External protection on AC line | MT: C-4 A / Fuse: T 4 A |
| OUTPUT TECHNICAL DATA | |
| Output voltage range | 24 Vdc ±1% |
| Output adjustable range | 23...27.5 Vdc |
| Continuous current | 5 A at 45°C |
| Overload limiting | 8 A for >30 s |
| Short circuit peak current | 15 A for 50 ms |
| Ripple @ nominal ratings | 30 mVpp |
| Hold up time | 17 ms (120 Vac) / 72 ms (230 Vac) |
| Status indication | LED "DC OK" / LED "Alarm" |
| Alarm contact | dry contact, max. 1A |
| Parallel connection | possible |
| Redundant parallel connection | already fitted with internal ORing diode |
| GENERAL TECHNICAL DATA | |
| Efficiency | 86% (120 Vac) / 90% (230 Vac) |
| Dissipated power | 19 W (120 Vac) / 13 W (230 Vac) |
| Operating temperature range | -20...+60°C (derating -1.9 W >45°C) |
| Input / output isolation | 3 kVac / 60 s (SELV output) |
| Input / ground isolation | 1.5 kVac / 60 s |
| Output / ground isolation | 0.5 kVac / 60 s |
| 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 ² / 2.5 mm ² |
| Housing material | aluminium |
| Dimensions (LxHxD) | 40x130x115 mm |
| Approximate weight | 400 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 applications that require high reliability and performance* Smart alarm contact, signals when output voltage drops more than 10%* High overload capability to ensure the protections selectivity and start-up of heavy loads
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

DESCRIZIONE DEL PRODOTTO

CSF120CP
Single-phase power supply input 120-230Vac / output 24Vdc 5A