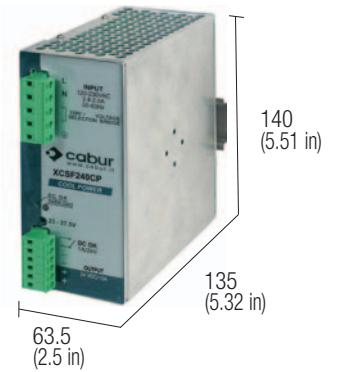


Single-phase switching power supply 120-230 Vac output power 240 W

- Single-phase input 120 and 230 Vac
- Short circuit, overload, over temperature, input and output overvoltage protections
- High outrush current to guarantee downstream overcurrent protections selectivity and to start-up heavy loads
- Failure contact for Uout -10%
- Compact dimensions
- Suitable for applications in SELV and PELV circuits

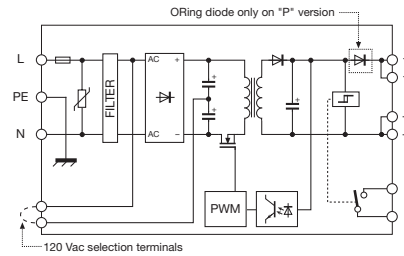


NOTES

The depth dimension includes the terminal blocks and the DIN clamp.

- (2) Double input selectable with external jumper, DC supply allow only between 300 and 345 Vdc
- (3) Over 45°C (113°F) apply a derating: -0.17 A/°C for version C, CP and CPH; -0.27 A/°C for version B; -0.08 A/°C for version DP;
- (4) For this peak current, the output voltage does not drop more than 10% of the nominal value, but the current value, provided by the power supply also depends on the total line resistance.
- (5) Only on version CSF240CP, for orders, adds the letter H to the code (XCSF240CPH)

BLOCK DIAGRAM



Special version for DC motors

VERSIONS

- Output 24 Vdc 10 A
- Output 24 Vdc 10 A redundant version
- Output 12...15 Vdc 16 A
- Output 48 Vdc 5 A redundant version

INPUT TECHNICAL DATA

- Input rated voltage
- Frequency
- Current @ nominal Iout (Uin 120 /230 Vac)
- Inrush peak current
- Power factor
- Internal protection fuse
- External protection on AC line

OUTPUT TECHNICAL DATA

- Output rated voltage
- Output adjustable range
- Continuous current
- Overload limit
- Short circuit peak current
- Load regulation
- Ripple @ nominal ratings
- Hold up time @ In (Uin 120 / 230 Vac)
- Overload / short circuit protections
- Status display
- Alarm contact threshold
- Parallel connection
- Redundant parallel connection

GENERAL TECHNICAL DATA

- Efficiency (Uin 120 / 230 Vac)
- Dissipated power (Uin 120 / 230 Vac)
- Operating temperature range
- Input/output isolation
- Input/ground isolation
- Output/ground isolation
- Standard/approvals
- EMC Standards
- MTBF @ 25°C @ nominal ratings
- Overvoltage category/Pollution degree
- Protection degree
- Connection terminal
- Housing material
- Approx. weight
- Mounting information

MOUNTING ACCESSORIES

- Mounting rail type according to IEC60715/TH35-7.5
- Mounting rail type according to IEC60715/G32

Cod. XCSF240C	Cod. XCSF240CP	Cod. XCSF240B	XCSF240DP
CSF240C	CSF240CP	CSF240B	CSF240DP
120 - 230 Vac (range 90...132 Vac / 185...264 Vac / 300...345 Vdc) (2)			
47...63 Hz			
3.5 A / 1.8 A ± 10%			
< 35 A			
> 0.6			
T 6.3 A replaceable			
circuit breaker: 10 A - C characteristic - fuse: T 10 A			
24 Vdc	12...15 Vdc	48 Vdc	
23...27.5 Vdc	12...15 Vdc	45...55 Vdc	
10 A @ 45°C (3)	16 A @ 45°C (3)	5 A @ 45°C (3)	
15 A for >30 s	24 A for >30 s	7.5 A for >30 s	
with Uout >90% Un (4)	with Uout >90% Un (4)	with Uout >90% Un (4)	
>25 A for 400 ms (4)	>25 A for 400 ms (4)	>25 A for 400 ms (4)	
< 1%	< 1%	< 1%	
≤ 50 mVpp	≤ 50 mVpp	≤ 50 mVpp	
>30 ms / >60 ms	>30 ms / >60 ms	>30 ms / >60 ms	
hiccup at the overload limit with auto reset / over temperature protection			
"DC OK" green LED / "DC OK" alarm contact/ "Overload" red LED			
21.6 Vdc	10.8 Vdc	43.2 Vdc	
possible	possible	possible	
possible with external ORing diode	factory provided with internal ORing diode	possible with external ORing diode	factory provided with internal ORing diode
>88% / >90%	>85% / >85%	>89% / >89%	
32 W / 27 W	42 W / 42 W	28 W / 28 W	
-20...+60°C, with derating over 45°C / over temperature protection (3)			
3 kVac / 60 s SELV output			
1.5 kVac / 60 s			
0.5 kVac / 60 s			
EN50178, EN61558, EN60950, IEC950, UL508, UL60950			
EN61000-6-2, EN61000-6-4, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11			
>500'000 h acc. to SN 29500 / >150'000 h acc. to MIL Std. HDBK 217F			
II / 3			
IP 20 IEC 529, EN60529			
2.5 mm² pluggable screw type			
aluminium			
920 g (32.48 oz)			
vertical on rail, allow 10 mm spacing between adjacent components			
PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB			