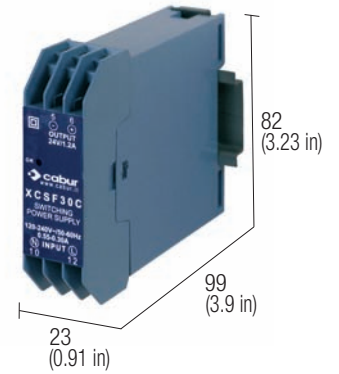


Single-phase switching power supply 120-230 Vac output power 30 W

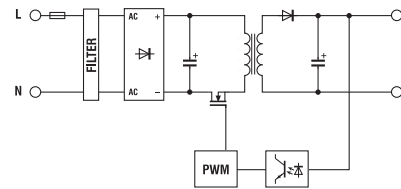
- Single-phase input 90...264 Vac and DC 100...370 Vdc
- Short circuit, overload, over temperature protection
- Isolation Class 2, no grounding needed
- Compact dimensions
- Suitable for applications in SELV and PELV circuits



NOTES

- The depth dimension includes the DIN rail clamp.
- (1) Version available upon request; for information call our sales department, local agent or representative
 - (2) With 100...127 Vdc input voltage, constant output power and $T_a > 45^\circ\text{C}$, the output current must be derated by 25%
 - (3) Over 50°C (122°F) apply a derating: C version: $-0.03 \text{ A}/^\circ\text{C}$; B version: $-0.038 \text{ A}/^\circ\text{C}$; F version: $-0.013 \text{ A}/^\circ\text{C}$
 - (4) Overload and short circuit current depends on the total line resistance.

BLOCK DIAGRAM



VERSIONS
Output 24 Vdc 1.2 A
Output 10...15 Vdc 1.5 A
Output $\pm 12... \pm 15$ Vdc 0.5 A

Cod. XCSF30C	Cod. XCSF30B	Cod. XCSF30F
CSF30C		
	CSF30B	
		CSF30F (1)

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

120-230 Vac (range 90...264 Vac / 100...370 Vdc) (2)		
47...63 Hz		
0.55 A / 0.3 A $\pm 10\%$	0.35 A / 0.2 A $\pm 10\%$	
$< 25 \text{ A}$		
> 0.60		
T 1,25 A not replaceable		
circuit breaker: 2 A - C characteristic - fuse: T 2 A		

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

24 Vdc $\pm 10\%$	12 - 15 Vdc	$\pm 12 \pm 15$ Vdc
—	10...15 Vdc	$\pm 12... \pm 15$ Vdc
1.2 A @ 50°C (3)	1.5...1 A @ 50°C (3)	0.5 A @ 50°C (3)
1.4 A (4)	1.7...1.2 A (4)	0.8...0.6 A (4)
—	—	—
$< 1\%$		
$\leq 50 \text{ mVpp}$		
$> 10 \text{ ms} / > 30 \text{ ms}$		
hiccup at the overload limit with auto reset		
"DC OK" green LED		
—		
possible		
possible with external ORing diode		

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

$> 86\% / > 87\%$		
4.7 W / 4.3 W		
$-20...+60^\circ\text{C}$, with derating over 50°C (3)		
3 kVac / 60 s SELV output		
class 2 without PE connection		
class 2 without PE connection		
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		
$> 750'000 \text{ h acc. to SN 29500} / > 250'000 \text{ h acc. to MIL Std. HDBK 217F}$		
II / 2		
IP 20 IEC 529, EN60529		
2.5 mm ² fixed screw type		
UL94V-0 plastic material		
140 g (4.94 oz)		
vertical on rail, allow 10 mm spacing between adjacent components		

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

PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
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