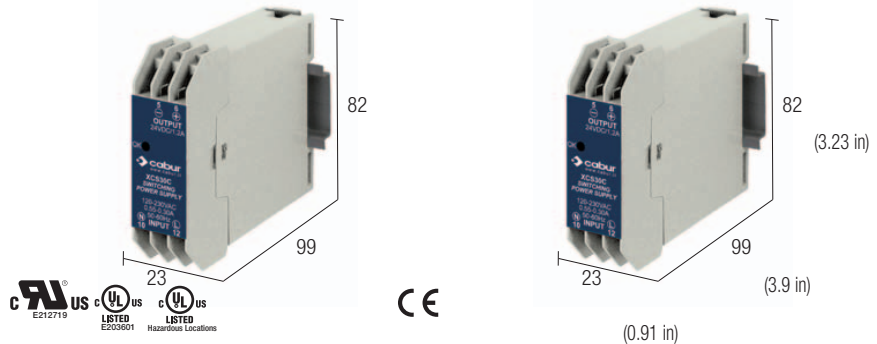


## Single-phase switching power supply 120-230 Vac output power 30 W

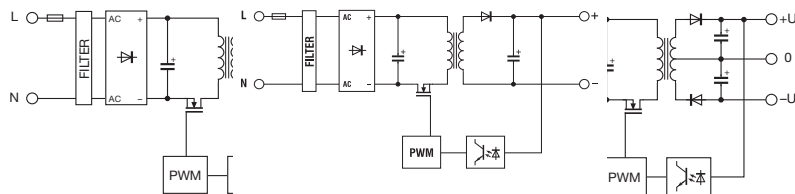
- Single-phase input 90...264 Vac and DC 100...320 Vdc
- Short circuit, overload, over temperature protection
- Isolation Class 2, no grounding needed
- Compact dimensions
- Suitable for applications in SELV and PELV circuits



### 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  $50^\circ\text{C}$  ( $122^\circ\text{F}$ ) 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

### INPUT TECHNICAL DATA

- Input rated voltage
- Frequency
- Current @ nominal Iout (Iin 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 @ Iin (Iin 120 / 230 Vac)
- Overload / short circuit protections
- Status display
- Alarm contact threshold
- Parallel connection
- Redundant parallel connection

### GENERAL TECHNICAL DATA

- Efficiency (Iin 120 / 230 Vac)
- Dissipated power (Iin 120 / 230 Vac)
- Operating temperature range
- Input/output isolation
- Input/ground isolation
- Output/ground isolation
- Standard/approvals
- EMC Standards
- MTBF @  $25^\circ\text{C}$  @ 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. XCSF30C

### Cod. XCSF30B

### Cod. XCSF30F

CSF30C	CSF30B	CSF30F (1)
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120-230 Vac (range 90...264 Vac / 100...320 Vdc) (2)

0.55 A / 0.3 A $\pm 10\%$	0.35 A / 0.2 A $\pm 10\%$
	< 25 A
	> 0.60
T 1,25 A not replaceable	
circuit breaker: 2 A - C characteristic - fuse: T 2 A	

24 Vdc $\pm 1\%$	12 - 15 Vdc	$\pm 12 \pm 15$ Vdc
—	10...15 Vdc	$\pm 12... \pm 15$ Vdc
1.2 A @ $50^\circ\text{C}$ (3)	1.5...1 A @ $50^\circ\text{C}$ (3)	0.5 A @ $50^\circ\text{C}$ (3)
1.4 A (4)	1.7...1.2 A (4)	0.8...0.6 A (4)

< 1%
$\leq 50\text{ mVpp}$
>10 ms / >30 ms
hiccup at the overload limit with auto reset
"DC OK" green LED
—
possible
possible with external ORing diode

>86% / >87%
4.7 W / 4.3 W
$-20...+60^\circ\text{C}$ , with derating over $50^\circ\text{C}$ (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 h acc. to SN 29500 / >250'000 h acc. to MIL Std. HDBK 217F

II / 2
IP 20 IEC 529, EN60529
2.5 mm <sup>2</sup> fixed screw type
UL94V-0 plastic material
140 g (4.94 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