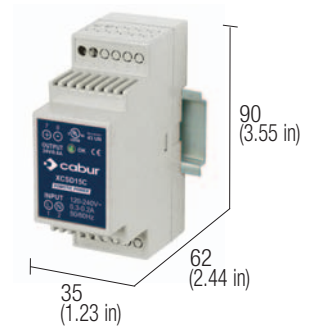


# Single-phase switching power supply 120-230 Vac output power 15 W

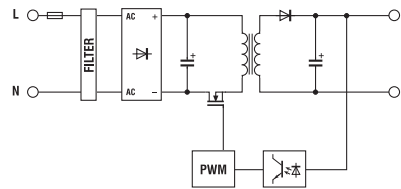
- Single-phase input 90...264 Vac and DC 100...315 Vdc
- Short circuit, overload, over temperature, input overvoltage protections
- Isolation Class 2, no grounding needed
- Compact dimensions
- Suitable for applications in SELV and PELV circuits



## NOTES

- The depth dimension includes the DIN rail clamp.
- (2) Over 50°C (122°F) apply a derating: C version: -0.015 A/°C; B version: -0.03 A/°C.
- (3) Overload and short circuit current depends on the total line resistance

## BLOCK DIAGRAM



## VERSIONS

- Output 24 Vdc 0.6 A
- Output 24 Vdc 0.6 A redundant version
- Output 12 Vdc 1.2 A
- Output 48 Vdc 0.3 A

## Cod. XCSD15C Cod. XCSD15B

CSD15C	-	CSD15B	-
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## 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

<b>120-230 Vac</b> (range 90...264 Vac / 100...315 Vdc)
47...63 Hz
0.3 A / 0.16 A ± 10%
< 5 A
> 0.6
T 1 A 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 @ Iin (Iin 120 / 230 Vac)
- Overload / short circuit protections
- Status display
- Alarm contact threshold
- Parallel connection
- Redundant parallel connection

24 Vdc ± 1%	12 Vdc ± 0.5 Vdc
—	—
<b>0.6 A @ 50°C</b> (2)	<b>1.2 A @ 50°C</b> (2)
1.08 A (3)	2.16 A (3)
—	—
< 1%	< 1%
≤ 30 mVpp	≤ 30 mVpp
>12 ms / >20 ms	>12 ms / >20 ms
hiccup at the overload limit with auto reset / over temperature protection	
"DC OK" green LED	
—	—
possible	possible
possible with external ORing diode	possible with external ORing diode

## 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°C @ nominal ratings
- Overvoltage category/Pollution degree
- Protection degree
- Connection terminal
- Housing material
- Approx. weight
- Mounting information

>85% / >87%
2,5 W / 2,2 W
-20...+60°C, with derating over 50°C / over temperature protection (2)
3 kVac / 60 s SELV output
class 2 without PE connection
class 2 without PE connection
EN50178, EN61558, EN60950, IEC950, UL508
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
130 g (5.12 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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