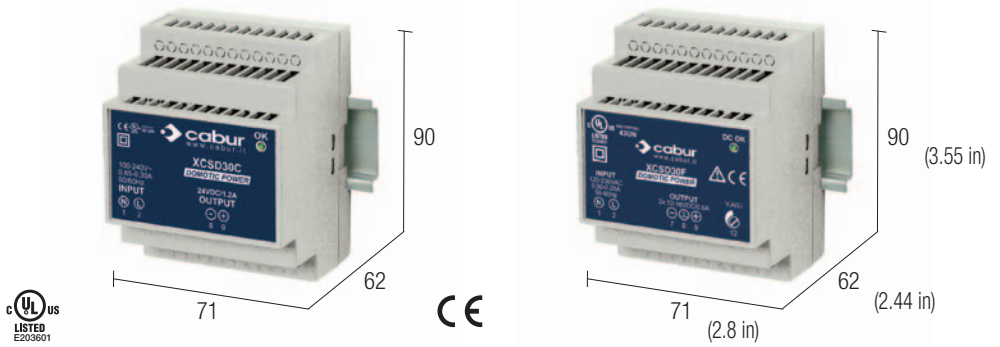


# Single-phase switching power supply 120-230 Vac output power 30 W

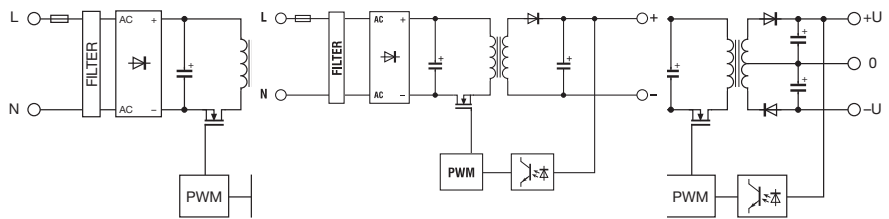
- Single-phase input 90...264 Vac and DC 100...345 Vdc
- Short circuit, overload, over temperature, input overvoltage protections
- Isolation Class 2, no grounding needed
- Compact dimensions
- Suitable for applications in SELV and PELV circuits



## NOTES

- The depth dimension includes the DIN rail clamp.
- (2) Over 50°C (122°F) apply a derating: C and F versions: -0.03 A/°C; E version: -0.08...-0.04 A/°C.
- (3) Overload and short circuit current depends on the total line resistance.
- (4) Output current depends on the output voltage: 3.3A @ 5Vdc, 2A @ 9Vdc, 2.2A @ 12Vdc, 1.5A @ 15Vdc.

## BLOCK DIAGRAM



## VERSIONS

- Output 24 Vdc 1.2 A
- Output 24 Vdc 1.2 A redundant version
- Output 5...15 Vdc 3.3...1.5 A
- Output ±12...±15 Vdc 0.6 A

## 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. XCSD30C

CSD30C			
	CSD30E		

## Cod. XCSD30E

		-	
			CSD30F

## Cod. XCSD30F

			CSD30F

120-230 Vac (range 90...264 Vac / 100...345 Vdc)

47...63 Hz

0.55 A / 0.28 A ± 10%  
< 13 A

0.45 A / 0.25 A ± 10%  
< 13 A

0.4 A / 0.2 A ± 10%  
< 13 A

> 0.6

T 2 A replaceable

circuit breaker: 3 A - C characteristic - fuse: T 3.15 A

24 Vdc ± 1%

5...15 Vdc

±12...±15 Vdc

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5...15 Vdc

±12...±15 Vdc

1.2 A @ 50°C (2)

3.3...1.5 A @ 50°C (2)(4)

2x0.6 A @ 50°C (2)

1.6 (3)

4 A (3)

>2x0.8 A (3)

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< 1%

< 1%

< 1%

≤ 50 mVpp

≤ 50 mVpp

≤ 50 mVpp

>30 ms / >60 ms

>50 ms / >100 ms

>50 ms / >100 ms

hiccup at the overload limit with auto reset / over temperature protection

"DC OK" green LED

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—

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possible

possible

possible

possible with external ORing diode

possible with external ORing diode

possible with external ORing diode

>85% / >87%

>87% / >89%

>87% / >89%

5,1 W / 4,3 W

4,0 W / 3,4 W

1,6 W / 1,3 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

200 g (7.06 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