

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
- Suitable in civil automation and general applications in the installation of systems
- Suitable for applications in SELV and PELV circuits



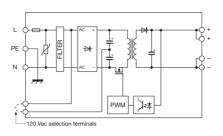


NOTES

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

- (2) Double input selectable with external jumper.
- (3) Over 45°C (113°F) apply a derating of -0.17 A/°C
- (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) Version available after September 2011

BLOCK DIAGRAM



Cod. XCSL240C

CSL240C (5)

Items sold until sell-out, will be replaced by **CSL240C** series

Cod. XCSP240C

CSP240C

VERSIONS

Output 24 Vdc 10 A

INPUT TECHNICAL DATA

Input rated voltage

Frequency

Current @ nominal lout (Uin 120 /230 Vac)

Inrush peak current

Power factor

Internal protection fuse

External protection on AC line

120–230 Vac (1	range 90	.132 Vac /	185264	Vac)	(2)

47...63 Hz

 $3.5A / 1.8 A \pm 10\%$ < 35 A

> 0.6 / > 0.85

T 6.3 A sostituibile

circuit breaker: 10 A - C characteristic - fuse: T 10 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	24 Vdc			
2327.5 Vdc	2327.5 Vdc			
10 A @ 45°C (3)	10 A @ 45°C (3)			
15 A per >30 s con Uout > 90% Un (4)	>14 A (4)			
>25 A for 400 ms	_			
< 1%	< 1%			
50 mVpp	≤ 60 mVpp			
>30 ms / >60 ms	>20 ms / >40 ms			
biccup at the everlead limit with auto recet / ever temperature protection				

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

"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

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 >88% / >90%

32 W / 27 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

EN61000-6-2, EN61000-6-4, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11

>400'000 h acc. to SN 29500 / >100'000 h acc. to MIL Std. HDBK 217F

II / 2

IP 20 IEC 529, EN60529

2.5 mm² pluggable screw type

aluminium and stainless steel

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

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