

1 or 2-phase switching power supply 230-400-500 Vac output power 120 W



- Single-phase and 2-phase input 185...550 Vac
- High reliability and immunity against over voltage due to failures on AC line
- Short circuit, overload, over temperature, input and output overvoltage protections
- High outrush current to guarantee downstream overcurrent protections selectivity and to start-up heavy loads
- High efficiency and low dissipated power
- Suitable for applications in SELV and PELV circuits



NOTES

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

- (1) Version available upon request; for information call our sales department, local agent or representative
- (2) 550 Vdc max for UL508
- (3) Over 50°C (122°F) apply a derating of about 3 W/°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.

VERSIONS

- Output 24 Vdc 5 A
- Output 12...15 Vdc 7 A
- Output 48 Vdc 2.5 A redundant version
- Output 72 Vdc 1.5 A redundant version

INPUT TECHNICAL DATA

- Input rated voltage
- Frequency
- Current @ Iout max. (Uin 230 / 400 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 (Uin 230 / 400 Vac)
- Overload / short circuit protections
- Status display
- Alarm contact threshold
- Parallel connection
- Redundant parallel connection

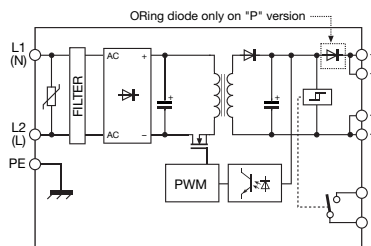
GENERAL TECHNICAL DATA

- Efficiency (Uin 230 / 400 Vac)
- Dissipated power (Uin 230 / 400 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

BLOCK DIAGRAM



Cod. XCSW121C Cod. XCSW121B Cod. XCSW121DP Cod. XCSW121G

CSW121C	CSW121B	CSW121DP (1)	CSW121G (1)
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1-2x 230-400-500 Vac (range 185...550 Vac / 270...725 Vdc) (2)

47...63 Hz
1.1 A / 0.55 A
< 20 A
> 0.65
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circuit breaker: 2x 6 A C characteristic - fuse: 2x T 3.15 A

24 Vdc 12...15 Vdc

24...27.5 Vdc	12...15 Vdc
5 A @ 50°C (3)	8 A @ 12 Vdc / 7 A @ 15 Vdc
7.5 A for >5 s with Uout >90% Un (4)	10...9 A for >5 s with Uout >90% Un (4)
15 A for 0.5 s (4)	> 15 A for 0.5 s (4)
< 1%	< 1%
≤ 50 mVpp	≤ 50 mVpp
>20 ms / >200 ms	>20 ms / >200 ms
hiccup at the overload limit with auto reset / over temperature protection	
"DC OK" green LED / "DC OK" alarm contact/ "Overload" red LED	
21.6 Vdc	10.8 Vdc
possible	possible
possible with external ORing diode	possible with external ORing diode

>86% / >88% >84% / >86%

20 W / 16 W	20 W / 17 W
-20...+60°C, with derating over 50°C / over temperature protection (3)	
3 kVac / 60 s SELV output	
2 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	
>500'000 h acc. to SN 29500 / >150'000 h acc. to MIL Std. HDBK 217F	
II / 2	
IP 20 IEC 529, EN60529	
2.5 mm² pluggable screw type	
aluminium and stainless steel	
600 g (21.18 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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