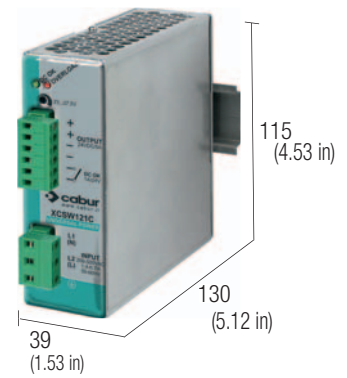


1 or 2-phase switching power supply 230-400-500 Vac output power 120 W

- 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

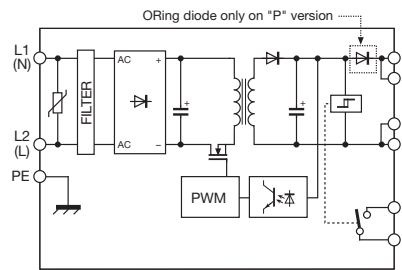


NOTES

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.

BLOCK DIAGRAM



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

1-2x **230-400-500 Vac** (range 187...550 Vac / 270...725 Vdc) (2)
 47...63 Hz
 1.1 A / 0.55 A
 < 20 A
 > 0.65
 -
 circuit breaker: 2x 6 A C characteristic - fuse: 2x T 4 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 (Uin 230 / 400 Vac)
- Overload / short circuit protections
- Status display
- Alarm contact threshold
- Parallel connection
- Redundant parallel connection

	24 Vdc	12...15 Vdc	48 Vdc
Output rated voltage	24...27.5 Vdc	12...15 Vdc	45...55 Vdc
Output adjustable range	5 A (3)	8 A @ 12 Vdc / 7 A @ 15 Vdc	2.5 A (3)
Continuous current	7.5 A per >30 s with Uout >90% Un	10 A for >30 s with Uout >90% Un	3,75 A per >30 s with Uout >90% Un (4)
Overload limit	14 A for 0.4 s (4)	20 A per 0.4 s (4)	14 A for 0.5 s (4)
Short circuit peak current	< 1%	< 1%	< 1%
Load regulation	≤ 100 mVpp	≤ 100 mVpp	≤ 100 mVpp
Ripple @ nominal ratings	>20 ms / >80 ms	>20 ms / >80 ms	>20 ms / >80 ms
Hold up time (Uin 230 / 400 Vac)	hiccup at the overload limit with auto reset / over temperature protection		
Overload / short circuit protections	"DC OK" green LED / "DC OK" alarm contact/ "Overload" red LED		
Status display	21.6 Vdc	10.8 Vdc	68 Vdc
Alarm contact threshold	possible	possible	possible
Parallel connection	possible with external ORing diode	possible with external ORing diode	prepared with diode internal ORing

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

>86% / >88%
 20 W / 16 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

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