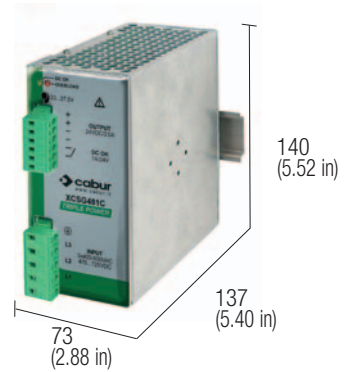




3-phase switching power supply 400-500 Vac output power 480 W

- 3-phase input 340...550 Vac or 2-phase with derating
- 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

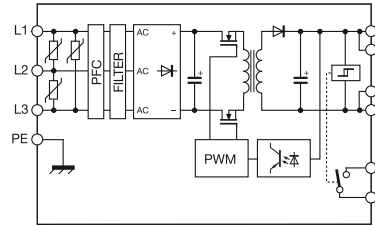
PRELIMINARE



NOTES

- The depth dimension includes the DIN rail clamp.
- (3) Over 50°C (122°F) apply a derating of about 6 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.
- 5) Version available after January 2013

BLOCK DIAGRAM



VERSIONS

- Output 24 Vdc 20 A
- Output 12...15 Vdc 40 A
- Output 48 Vdc 10 A
- Output 72 Vdc 6 A

Cod. XCSG481C

CSG481C (5)

INPUT TECHNICAL DATA

- Input rated voltage
- Frequency
- Current @ Iout max. (Uin 400 / 500 Vac)
- Inrush peak current
- Power factor
- Internal protection fuse
- External protection on AC line

3x **400-500 Vac** (range 340...550 Vac)
 47...63 Hz
 1,2 A / 0,8 A
 <40 A
 > 0,95

circuit breaker: 3x 6 A C characteristic - fuse: 3x T 6,3 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 400 / 500 Vac)
- Overload / short circuit protections
- Status display
- Alarm contact threshold
- Parallel connection
- Redundant parallel connection

24 Vdc
 23,3...27,5 Vdc
20 A @ 45°C (3)
 28 A per >5 s with Uout
 >90%Un (4)
 50 A per 0,3 s (4)
 < 1%
 ≤ 100 mVpp
 >50 ms / >50 ms

hiccup at the overload limit with auto reset / over temperature protection (3)
 "DC OK" green LED / "DC OK" alarm contact

21,6 Vdc
 possible
 possible with external ORing diode

GENERAL TECHNICAL DATA

- Efficiency (Uin 400 / 500 Vac)
- Dissipated power (Uin 400 / 500 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

>93% / >92%
 36 W / 42 W

-20...+60°C, with derating over 50°C / over temperature protection (3)
 3 kVac / 60 s SELV output

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

4 mm² fixed screw type
 aluminium
 1 kg (35.3 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