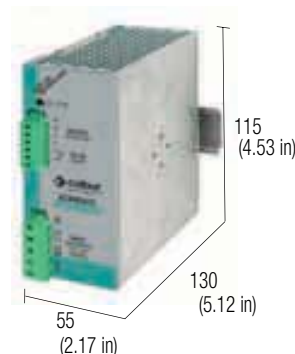


1, 2 or 3-phase switching power supply 230-400-500 Vac output power 240 W



- Single-phase, 2-phase and 3-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

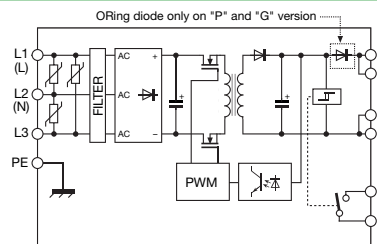


NOTES

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.
- (5) Version CSW241G is not suitable for SELV applications

BLOCK DIAGRAM



VERSIONS

- Output 24 Vdc 10 A
- Output 12...15 Vdc 16...15 A
- Output 48 Vdc 5 A redundant version
- Output 72 Vdc 3.3 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

1-2-3x **230-400-500 Vac** (range 185...550 Vac / 270...770 Vdc) (2)
 47...63 Hz
 2 A / 1 A
 < 20 A
 > 0.65

—
 circuit breaker: 2-3x 6 A C characteristic - fuse: 2-3x 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 230 / 400 Vac)
- Overload / short circuit protections
- Status display
- Alarm contact threshold
- Parallel connection

24 Vdc	12...15 Vdc	48 Vdc
24...27.5 Vdc	12...15 Vdc	45...55 Vdc
10 A @ 50°C (3)	16 A @ 12 Vdc / 15 A @ 15 Vdc	5 A @ 50°C (3)
15 A for >5 s with Uout >90% Un (4)	20...18 A for >5 s with Uout >90% Un (4)	6 A for >5 s with Uout >90% Un (4)
20 A for 0.5 s (4)	20 A for 0.5 s (4)	20 A for 0.5 s (4)
< 1%	< 1%	< 1%
≤ 80 mVpp	≤ 80 mVpp	≤ 80 mVpp
>20 ms / >120 ms	>20 ms / >120 ms	>20 ms / >120 ms

hiccup at the overload limit with auto reset / over temperature protection
 "DC OK" green LED / "DC OK" alarm contact/ "Overload" red LED

Redundant parallel connection

possible with external ORing diode

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

>88% / >90%
 33 W / 27 W
 -20...+60°C, with derating over 50°C / over temperature protection (3)
 3 kVac / 60 s SELV output (5)
 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
 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