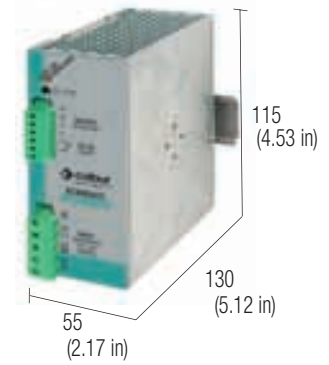


1, 2 or 3-phase switching power supply 230-400-500 Vac output power 240 W

- 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

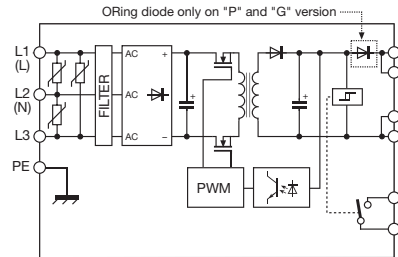


NOTES

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	1-2-3x 230-400-500 Vac (range 185...550 Vac / 270...770 Vdc) (2)
Frequency	47...63 Hz
Current @ Iout max. (Uin 230 / 400 Vac)	2 A / 1 A
Inrush peak current	< 20 A
Power factor	> 0.65
Internal protection fuse	-
External protection on AC line	circuit breaker: 2-3x 6 A C characteristic - fuse: 2-3x T 6.3 A

OUTPUT TECHNICAL DATA

Output rated voltage	24 Vdc	12...15 Vdc	48 Vdc	
Output adjustable range	24...27.5 Vdc	12...15 Vdc	45...55 Vdc	
Continuous current	10 A @ 50°C (3)	16 A @ 12 Vdc / 15 A @ 15 Vdc	5 A @ 50°C (3)	
Overload limit	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)	
Short circuit peak current	20 A for 0.5 s (4)	20 A for 0.5 s (4)	20 A for 0.5 s (4)	
Load regulation	< 1%	< 1%	< 1%	
Ripple @ nominal ratings	≤ 80 mVpp	≤ 80 mVpp	≤ 80 mVpp	
Hold up time (Uin 230 / 400 Vac)	>20 ms / >120 ms	>20 ms / >120 ms	>20 ms / >120 ms	
Overload / short circuit protections	hiccup at the overload limit with auto reset / over temperature protection			
Status display	"DC OK" green LED / "DC OK" alarm contact/ "Overload" red LED			
Alarm contact threshold	21.6 Vdc	10.8 Vdc	43.2 Vdc	-
Parallel connection	possible	possible	possible	possible
Redundant parallel connection	possible with external ORing diode	possible with external ORing diode	possible with external ORing diode	possible with external ORing diode

GENERAL TECHNICAL DATA

Efficiency (Uin 230 / 400 Vac)	>88% / >90%	>87% / >89%	>88% / >90%	
Dissipated power (Uin 230 / 400 Vac)	33 W / 27 W	34 W / 28 W	33 W / 27 W	
Operating temperature range	-20...+60°C, with derating over 50°C / over temperature protection (3)			
Input/output isolation	3 kVac / 60 s SELV output (5)			
Input/ground isolation	2 kVac / 60 s			
Output/ground isolation	0.5 kVac / 60 s			
Standard/approvals	EN50178, EN61558, EN60950, IEC950, UL508			
EMC Standards	EN61000-6-2, EN61000-6-4, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11			
MTBF @ 25°C @ nominal ratings	>50'000 h acc. to SN 29500 / >150'000 h acc. to MIL Std. HDBK 217F			
Overvoltage category/Pollution degree	II / 2			
Protection degree	IP 20 IEC 529, EN60529			
Connection terminal	2.5 mm² pluggable screw type			
Housing material	aluminium and stainless steel			
Approx. weight	1 Kg (35.3 oz)			
Mounting information	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