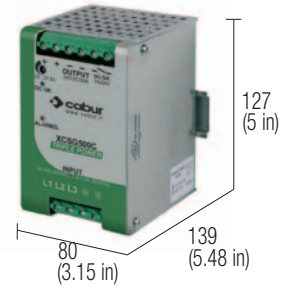


3-phase switching power supply 400-500 Vac output power 500 W

- 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
- Input protected by ASSIL circuit (Surge Suppressor and Inrush Limiter)

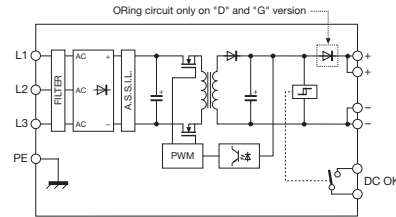


NOTES

The depth dimension includes the DIN rail clamp.

- (1) Version available upon request; for information call our sales department, local agent or representative
- (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 CSG500G is not suitable for SELV applications

BLOCK DIAGRAM



Special version for DC motors

Special version for DC motors



VERSIONS	Cod. XCSG500C		Cod. XCSG500D		Cod. XCSG500G	
	CSG500C	—	CSG500D	CSG500G (5)		
Output 24 Vdc 20 A						
Output 12...15 Vdc 40 A						
Output 48 Vdc 10 A redundant version						
Output 72 Vdc 6.7 A redundant version						
INPUT TECHNICAL DATA	3x 400-500 Vac (range 340...550 Vac)					
Input rated voltage	47...63 Hz					
Frequency	1 A / 0.6 A					
Current @ Iout max. (Uin 400 / 500 Vac)	< 35 A					
Current @ Iout max. (Uin 400 / 500 Vac)	> 0.75 with PFC					
Internal protection fuse	—					
External protection on AC line	circuit breaker: 10 A characteristic - fuse: 3x T 10 A					
OUTPUT TECHNICAL DATA	24 Vdc		48 Vdc		72 Vdc	
Output rated voltage	24...28 Vdc		45...55 Vdc		72...85 Vdc	
Output adjustable range	20 A @ 50°C (3)		10 A @ 50°C (3)		6.7 A @ 50°C (3)	
Continuous current	>30 A for >5 s with Uout >90% Un (4)		>15 A for >5 s with Uout >90% Un (4)		10 A for >5 s with Uout >90% Un (4)	
Overload limit	>60 A for 5 s (4)		>30 A for 5 s (4)		>20 A for 5 s (4)	
Short circuit peak current	< 0.5%		< 0.5%		< 1%	
Load regulation	≤ 100 mVpp		≤ 100 mVpp		≤ 100 mVpp	
Ripple @ nominal ratings	>15 ms / >30 ms		>15 ms / >20 ms		>15 ms / >20 ms	
Hold up time (Uin 400 / 500 Vac)	hiccup at the overload limit with auto reset / over temperature protection / ASSIL circuit					
Overload / short circuit protections	"DC OK" green LED / "DC OK" alarm contact/ "Overload" red LED					
Status display	<21.6 Vdc		<43.2 Vdc		<64.8 Vdc	
Alarm contact threshold	possible		possible		possible	
Parallel connection	possible with external ORing diode		factory provided with internal ORing diode		factory provided with internal ORing diode	
Redundant parallel connection						
GENERAL TECHNICAL DATA	>94% / >94%		>94% / >94%		>95% / >95%	
Efficiency (Uin 400 / 500 Vac)	30 W / 30 W		30 W / 30 W		26 W / 26 W	
Dissipated power (Uin 400 / 500 Vac)	-20...+60°C, with derating over 50°C / over temperature protection (3)					
Operating temperature range	3 kVac / 60 s SELV output (5)					
Input/output isolation	2 kVac / 60 s					
Input/ground isolation	0.5 kVac / 60 s					
Output/ground isolation	EN50178, EN61558, EN60950, IEC950, UL508					
Standard/approvals	EN61000-6-2, EN61000-6-4, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11					
EMC Standards	>500'000 h acc. to SN 29500 / >150'000 h acc. to MIL Std. HDBK 217F					
MTBF @ 25°C @ nominal ratings	II / 2					
Overvoltage category/Pollution degree	IP 20 IEC 529, EN60529					
Protection degree	6 mm ² fixed screw type					
Connection terminal	aluminium					
Housing material	1.3 kg (45.89 oz)					
Approx. weight	vertical on rail, allow 10 mm spacing between adjacent components					
Mounting information	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB					
MOUNTING ACCESSORIES	—					
Mounting rail type according to IEC60715/TH35-7.5						
Mounting rail type according to IEC60715/G32						