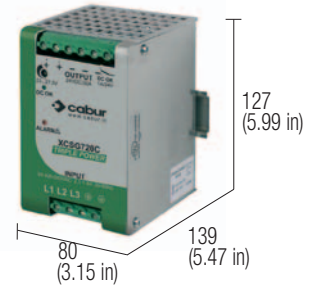


3-phase switching power supply 400-500 Vac output power 720 W

- 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)

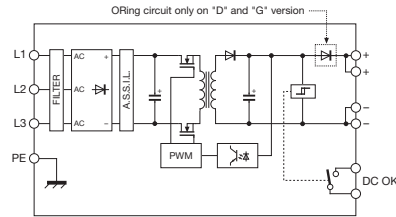


NOTES

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.

BLOCK DIAGRAM



Special version for DC motors

VERSIONS

- Output 24 Vdc 30 A
- Output 12...15 Vdc 60 A
- Output 48 Vdc 15 A redundant version
- Output 72 Vdc 10 A redundant version

Cod. XCSG720C

CSG720C

(1)

CSG720D

(1)

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
1.4 A / 1.1 A
< 30 A
> 0.75

circuit breaker: 3x 10 A C characteristic - fuse: 3x T 10 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

24 Vdc	48 Vdc
24...28 Vdc	45...55 Vdc
30 A @ 50°C (3)	15 A @ 50°C (3)
45 A for >5 s with Uout >90% Un (4)	22.5 A for >5 s with Uout >90% Un (4)
>80 A for 1.5 s (4)	>45 A for 1.5 s (4)
< 1%	< 1%
100 mVpp	100 mVpp
>10 ms / >15 ms	>10 ms / >15 ms

hiccup at the overload limit with auto reset / over temperature protection / ASSIL circuit

"DC OK" green LED / "DC OK" alarm contact/ "Overload" red LED

- Alarm contact threshold
- Parallel connection
- Redundant parallel connection

<21.6 Vdc	<43.2 Vdc
possible	possible
possible with external ORing diode	factory provided with internal 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

>92% / >92%	>93% / >93%
60 W / 60 W	55 W / 55 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	
6 mm ² fixed screw type	
aluminium	
1.3 kg (45.86 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