



2-fas spänningsaggregat



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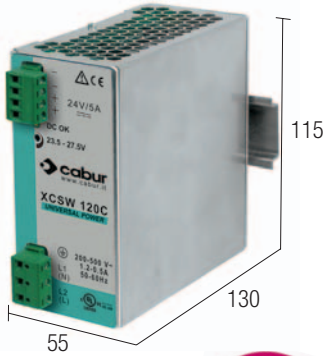
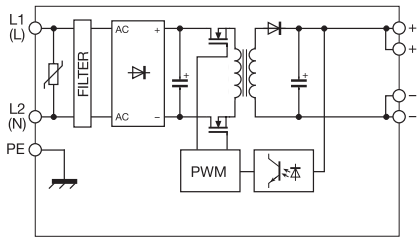
Spänningsaggregat 120W

- Ansluts till 2 faser eller mellan fas och nolla
- 5 års garanti
- Går även att driva med likspänning
- Powerboost ger minst 30% extra effekt
- Finns i 12-15VDC variant



VERSIONS		Cod. XCSW120C		Cod. XCSW120B	
Output 24 Vdc 5 A	CSW120C		-		
Output 24 Vdc 5 A redundant version					
Output 12...15 Vdc 7 A			CSW120B		
Output 48 Vdc 2.5 A					-
INPUT TECHNICAL DATA					
Input rated voltage	230-400-500 Vac (range 185...550 Vac / 270...770 Vdc) (2)				
Frequency	47...63 Hz				
Current @ Iout max. (Uin 230 / 400 Vac)	1.1 A / 0.55 A				
Inrush peak current	< 20 A				
Power factor	> 0.65				
Internal protection fuse	-				
External protection on AC line	circuit breaker: 2 X 6 A C characteristic - fuse: 2 XT 3.15 A				
OUTPUT TECHNICAL DATA					
Output rated voltage	24 Vdc		12...15 Vdc		
Output adjustable range	24...27.5 Vdc		12...15 Vdc		
Continuous current	5 A @ 50°C (3)		8 A @ 12 Vdc / 7 A @ 15 Vdc		
Overload limit	7.5 A for >5 s with Uout >Uin x 0.9 (4)		8.8...7.7 A for >5 s with Uout >Uin x 0.9 (4)		
Short circuit peak current	15 A for 0.5 s (4)		> 15 A for 0.5 s (4)		
Load regulation	< 1%		< 1%		
Ripple @ nominal ratings	≤ 50 mVpp		≤ 50 mVpp		
Hold up time (Uin 230 / 400 Vac)	>20 ms / >200 ms		>20 ms / >200 ms		
Overload / short circuit protections	hiccup at the overload limit with auto reset / over temperature protection				
Status display	"DC OK" green LED				
Alarm contact threshold	-		-		
Parallel connection	possible possible with external ORing diode		possible possible with external ORing diode		
Redundant parallel connection					
GENERAL TECHNICAL DATA					
Efficiency (Uin 230 / 400 Vac)	>86% / >88%		>84% / >86%		
Dissipated power (Uin 230 / 400 Vac)	20 W / 16 W		20 W / 17 W		
Operating temperature range	-20...+60°C, with derating over 50°C / over temperature protection (3)				
Input/output isolation	3 kVdc / 60 s SELV output				
Input/ground isolation	2 kVdc / 60 s				
Output/ground isolation	0.5 kVdc / 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	>500'000 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	600 g (21.18 oz)				
Mounting information	vertical on rail, allow 10 mm spacing between adjacent components				
MOUNTING ACCESSORIES					
Mounting rail type according to IEC60715/TH35-7.5	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB				
Mounting rail type according to IEC60715/G32	—				

(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) Overload and short circuit current depends on the total line resistance.



Benämning	Typ	E-nummer
CSW120C	Spänningsaggregat 24VDC 5A	
CSW120B	Spänningsaggregat 12-15VDC 8-7A	

Spänningsaggregat 240W

- Ansluts till 2 faser eller mellan fas och nolla
- 5 års garanti
- Går även att driva med likspänning
- Powerboost ger minst 30% extra effekt
- Finns i 12-15VDC och 48VDC varianter
- Larmkontakt



VERSIONS	Cod. XCSW240C		Cod. XCSW240B	Cod. XCSW240D
Output 24 Vdc 10 A	CSW240C			
Output 24 Vdc 10 A redundant version	-			
Output 12...15 Vdc 16...15 A			XCSW240B (1)	
Output 48 Vdc 5 A				XCSW240D (1)
INPUT TECHNICAL DATA				
Input rated voltage	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 X 6 A C characteristic - fuse: 2 XT 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 >Uin x 0.9 (4)		20...18 A for >5 s with Uout >Uin x 0.9 (4)	6 A for >5 s with Uout >Uin x 0.9 (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			
Alarm contact threshold	-		-	-
Parallel connection	possible		possible	possible
Redundant parallel connection	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			
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, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11			
MTBF @ 25°C @ nominal ratings	>500'000 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	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB			
Mounting rail type according to IEC60715/G32	—			

- (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) Overload and short circuit current depends on the total line resistance.

Benämning	Typ	E-nummer
CSW240C	Spänningsaggregat 24VDC 10A	
CSW240B	Spänningsaggregat 12-15VDC 16-15A	
CSW240D	Spänningsaggregat 48VDC 5A	

