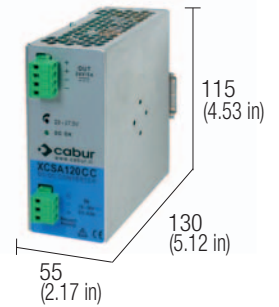


# DC/DC Insulated converters output power 120 W



- DC wide range input
- Short circuit, overload, over temperature protection
- Compact design

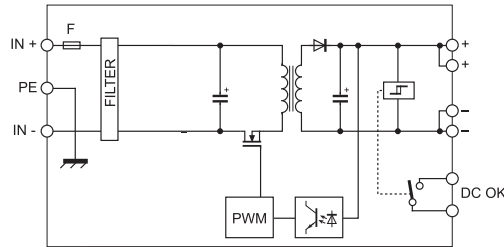


## NOTES

The depth dimension includes the terminal blocks and the DIN clamp.

- (1) Inrush current is measured with input supplied by a battery; the current peak vary depending on the internal impedance of the current source and depending on cables and connections resistance.
- (2) According to EN60950 insulation tests on input side must be made only with DC instruments.
- (3) Version available upon request; for information call our sales department, local agent or representative.

## BLOCK DIAGRAM



## VERSIONS

- 12 Vdc / 24 Vdc 5 A
- 12 Vdc / 48 Vdc 2.5 A
- 24 Vdc / 12 Vdc 7 A
- 24 Vdc / 24 Vdc 5 A

## INPUT TECHNICAL DATA

- Input rated voltage
- Current @ Iout max.
- Inrush peak current
- Standby power
- Internal protection fuse
- External protection on AC line
- Overvoltage input protection circuit

## 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 @ In
- Overload / short circuit protections
- Status display
- Alarm contact threshold
- Parallel connection

Redundant parallel connection

## GENERAL TECHNICAL DATA

- Efficiency (Uin 110 Vdc)
- Dissipated power (Uin 110 Vdc)
- 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

## MOUNTING ACCESSORIES

- Mounting rail type according to IEC60715/TH35-7.5
- Mounting rail type according to IEC60715/G32

## Cod. XCSA120BC

CSA120BC (3)

## Cod. XCSA120BD

CSA120BD (3)

## Cod. XCSA120CB

CSA120CB

## Cod. XCSA120CC

CSA120CC

12 Vdc (range 10.5...18 Vdc)	12 Vdc (range 10.5...18 Vdc)	24 Vdc (range 18...36 Vdc)	24 Vdc (range 18...36 Vdc)
12 A ±10%	12 A ±10%	5.1 A ±10%	5.8 A ±10%
< 60A / < 2ms (1)	< 60A / < 2ms (1)	< 110A / < 2ms (1)	< 90A / < 2ms (1)
<1.5 W @ 12 Vdc	<1.5 W @ 12 Vdc	<1 W @ 24 Vdc	<1.5 W @ 24 Vdc
T 20 A replaceable ≥25 A C characteristic		T 10 A replaceable ≥13 A C characteristic	
Passive varistor and active shutdown at 19 Vdc		Passive varistor and active shutdown at 38 Vdc	

24 Vdc	48 Vdc	12...15 Vdc	24 Vdc
22.5...27.5 Vdc	45...55 Vdc	12...15 Vdc	22.5...27.5 Vdc
5 A @ 24 Vdc	2.5 A @ 48 Vdc	7 A @ 12 Vdc	5 A @ 24 Vdc
6.5 A	3.4 A	9.1 A	6.5 A
12 A for 300 ms	5.8 A for 300 ms	15 A for 300 ms	12 A for 300 ms
<0.5%		<0.5%	
≤ 100 mVpp		≤ 100 mVpp	
>1 ms		>2 ms	
hiccup at the overload limit with auto reset / over temperature protection			
"DC OK" green LED			
—			
possible			
possible with external ORing diode			

> 83%	> 83%	>87%	>87%
<25 W	<25 W	<16 W	<18 W
-20...+50°C			
2.1 kVdc / 60s (2)			
1.41 kVdc / 60s (2)			
0.75 kVdc / 60s (2)			
IEC950, EN60950			
EN50081-1, EN50082-2, EN61000-3-2			
>500'000 h secondo SN 29500 / >150'000 h secondo MIL Std. HDBK 217F			
II / 2			
IP 20 IEC 529, EN60529			
2.5 mm <sup>2</sup> pluggable screw type			
aluminium			
550 g (19.40 oz)			
vertical on rail, allow 10 mm spacing between adjacent components			

PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB