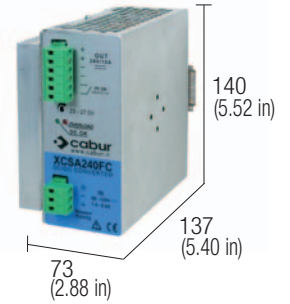


# DC/DC Insulated converters output power 240 W

- DC wide range input
- Short circuit, overload, over temperature protection
- Already preset with internal ORing diode for redundant connection
- Compact design

**NOTE:**  
NOTE: also the power supplies CSD, CSF30, CSF85 and CSF120 series can be supplied in DC 110 V

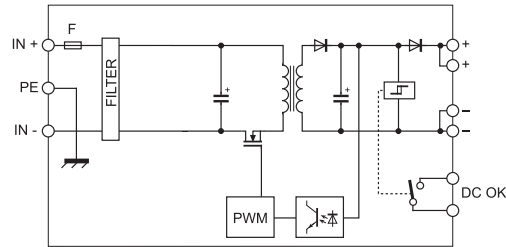


## NOTES

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) Over 50°C (122°F) apply a derating -6 W/°C, max 60°C
- (3) According to EN60950 insulation tests on input side must be made only with DC instruments.

## BLOCK DIAGRAM



## VERSIONS

**110 Vdc / 24 Vdc 10 A**  
**110 Vdc / 24 Vdc 10 A ridondante**

## Cod. XCSA240FC

**CSA240FC**

## 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

**110 Vdc** (range 90...130 Vdc)  
2.4 A ±10%  
< 150A / < 2ms (1)  
<3.4 W @ 110 Vdc  
T 5 A replaceable  
≥6 A C characteristic  
Passive varistor and active shutdown at 136 Vdc

## 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 (Uin 110 Vdc)  
Overload / short circuit protections  
Status display  
Alarm contact threshold  
Parallel connection

**24 Vdc**  
22.7...27 Vdc  
**10 A @ 50°C (2)**  
15 A  
21 A for 300 ms  
<1.5%  
≤ 100 mVpp  
>4 ms  
hiccup at the overload limit with auto reset / over temperature protection  
"DC OK" green LED / "DC OK" alarm contact / "Overload" red LED

Redundant parallel connection

possible  
factory provided with internal ORing diode

## 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

>89%  
<28 W  
-20...+60°C, with derating over 50°C (2)  
2.1 kVdc / 60s (3)  
1.41 kVdc / 60s (3)  
0.75 kVdc / 60s (3)  
IEC950, EN60950  
EN61000-6-2, EN61000-6-4, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-5-5, 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  
2.5 mm² pluggable screw type  
aluminium  
800 g (28.24 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**