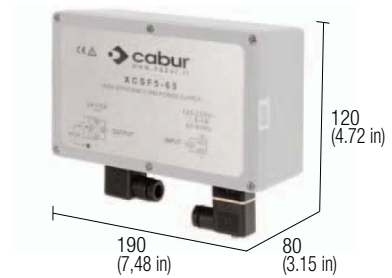


## Single-phase switching power supply 120-230 Vac IP65 protection degree

- Single-phase input 90...264 Vac and DC 100...345 Vdc
- Short circuit, overload, over temperature, input and output overvoltage protections
- Suitable to be mounted directly on the machinery frame, don't require any protective enclosure
- IP65 pluggable screw connectors
- Suitable for applications in SELV and PELV circuits

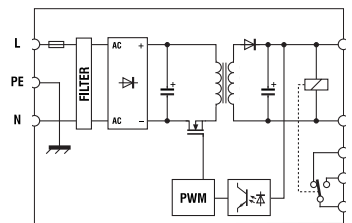


### NOTES

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

- (1) With 100...127 Vdc input voltage, constant output power and  $T_a > 45^\circ\text{C}$ , the output current must be derated by 25%
- (2) Overload and short circuit current depends on the total line resistance.
- (3) Version available upon request; for information call our sales department, local agent or representative

### BLOCK DIAGRAM



### VERSIONS

Output 24 Vdc 5 A

Cod. XCSF565

CSF5-65 (3)

### INPUT TECHNICAL DATA

Input rated voltage	<b>120-230 Vac</b> (range 90...264 Vac / 100...345 Vdc) (1)
Frequency	47...63 Hz
Current @ nominal Iout (Uin 120 / 230 Vac)	1.8 A / 1 A $\pm$ 10%
Inrush peak current	< 20 A
Power factor	> 0.7
Internal protection fuse	T 3.15 A replaceable
External protection on AC line	circuit breaker: 4 A - C characteristic - fuse: T 4 A

### OUTPUT TECHNICAL DATA

Output rated voltage	<b>24 Vdc</b>
Output adjustable range	23...27.5 Vdc
Continuous current	<b>5 A @ 60°C</b>
Overload limit	8 A (2)
Short circuit peak current	—
Load regulation	< 1%
Ripple @ nominal ratings	$\leq$ 50 mVpp
Hold up time @ In (Uin 120 / 230 Vac)	> 10 ms / > 20 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
Redundant parallel connection	possible with external ORing diode

### GENERAL TECHNICAL DATA

Efficiency (Uin 120 / 230 Vac)	> 86% / > 90%
Dissipated power (Uin 120 / 230 Vac)	18,6 W / 12,6 W
Operating temperature range	-20...+60°C / over temperature protection
Input/output isolation	3 kVac / 60 s SELV output
Input/ground isolation	1.5 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, EN61000-4-2, 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 mm <sup>2</sup> IP65 pluggable screw connectors
Housing material	aluminium
Approx. weight	1.9 kg (67.02 oz)
Mounting information	vertical on rail or panel mounting by means of screws

### MOUNTING ACCESSORIES

Mounting rail type according to IEC60715/TH35-7.5	<b>PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB</b>
Mounting rail type according to IEC60715/G32	—