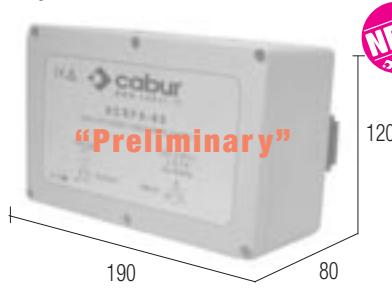
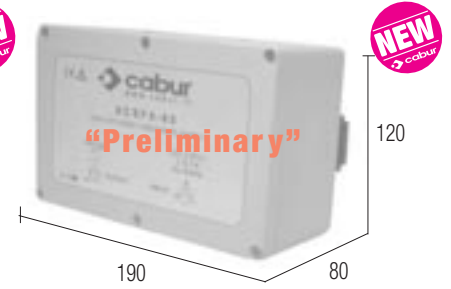


IP65 protection degree single phase switching power supply

- 90–264 Vac / 110–300 Vdc input voltage
- IP65 aluminium housing DIN rail mountable
- Short circuit, overload, over temperature, input / output overvoltage protection
- 89% efficiency, 12 W full load
- Redundant version with Oring diode and failure contact



24 Vdc 3 A @ 45°C



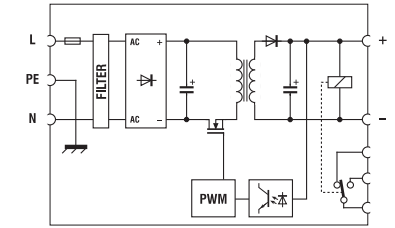
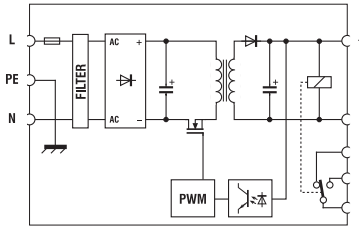
24 Vdc 5 A @ 45°C

NOTES

Dimensions indicated on drawings and photos, are overall dimensions, are inclusive of external components such as terminal blocks and Din-rail clamps.

- (1) Version available upon request.
- (2) With 110 – 127 Vdc input voltage, the output current must be derated by 25%.
- (3) The I_{max} time duration depends on device and environment temperature; at 25°C (77°F) and warmed up power supply, I_{max} duration exceed 30 minutes before thermal protection shut down; I_{max} must be always intended as transitory and exceptional event.

BLOCK DIAGRAM



APPLICATIONS

Is suitable to be mounted directly on the machinery frame as it do not require any protective enclosure to guarantee safety and environmental protection; it is provided with SPDT contact for remote failure alarm.

VERSIONS

With failure contact

INPUT TECHNICAL DATA

Rated voltage
Frequency
Current @ I _{out} max.
Inrush current @ cold start at 230 Vac
Power factor
Protection fuse

OUTPUT TECHNICAL DATA

Voltage
Maximum current
Continuous current
Load regulation
Ripple @ rated U-I output
Hold up time
Overload / short circuit protection
Output signal

APPROVALS

GENERAL TECHNICAL DATA

Efficiency
Dissipated power
Operating temperature
Input / output isolation
Input / ground isolation
Output / ground isolation
Protection degree
Standards / Approvals
EMC Standards
Surge immunity
Connection terminal blocks
Housing material
Approximative weight
Mounting information
Mounting rail type according to IEC60715/TH35-7.5

CSF3-65

(1)

cod. XCSF365

90 – 264 Vac / 110 – 300 Vdc (2)
50 – 60 Hz
1.3 A @ 120 Vac / 0.7 A @ 230 Vac ± 10%
< 20 A soft start limiting circuit
> 0.7 full load
T 2 A - internal, replaceable

24–27.5 Vdc adjustable (internal potentiometer)
5 A overload limit / 6 A peak for 50 ms (3)
3 A @ 45°C
< 1%
≤ 40 mVpp @ 230 Vac
> 20 ms @ 230Vac full load
Hiccup 1.6 circuit autoreset / over temperature protection
SPST(NA) 2 A / 250 Vac – 30 Vdc

UL, CSA pending

> 86% a 120 Vac, > 90% a 230 Vac
< 12 W @ 120 Vac, < 8 W @ 230 Vac
-20...+45°C (-4...+113°F), humidity 95% without condense
3 kVac / 60 s
1.5 kVac / 60 s
0.5 kVac / 60 s
IP 65 IEC 529, EN 60529
EN 60950, IEC950
EN 50081-1, EN 50082-2, EN 61000-3-2
EN61000-4-2, 3, 4, 5 liv. 4
IP65 pluggable connectors
aluminium
1.9 kg (4.19 lb)
Vertical on rail without spacing, available on request a support for panel mounting
PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB

CSF5-65

(1)

cod. XCSF565

90 – 264 Vac / 110 – 300 Vdc (2)
50 – 60 Hz
1.8 A @ 120 Vac / 1 A @ 230 Vac ± 10%
< 20 A soft start limiting circuit
> 0.7 full load
T 3.15 A - internal, replaceable

24–27.5 Vdc adjustable (internal potentiometer)
8 A overload limit / 10 A peak for 50 ms (3)
5 A @ 45°C
< 1%
≤ 50 mVpp @ 230 Vac
> 20 ms @ 230Vac full load
Hiccup 1.6 circuit autoreset / over temperature protection
SPST(NA) 2 A / 250 Vac – 30 Vdc

UL, CSA pending

> 87% a 120 Vac, > 90% a 230 Vac
< 18 W @ 120 Vac, < 12 W @ 230 Vac
-20...+45°C (-4...+113°F), humidity 95% without condense
3 kVac / 60 s
1.5 kVac / 60 s
0.5 kVac / 60 s
IP 65 IEC 529, EN 60529
EN 60950, IEC950
EN 50081-1, EN 50082-2, EN 61000-3-2
EN61000-4-2, 3, 4, 5 liv. 4
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