

Single-phase switching power supply 120-230 Vac 72 W output power

- Single-phase input 90...264 Vac / DC 100...370 Vdc
- Short circuit, overload, over temperature, input / output overvoltage protections
- Isolation Class 2, no grounding needed
- Compact dimensions
- Suitable for applications in SELV and PELV circuits



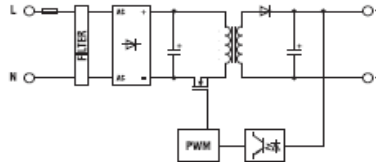
PRELIMINARY

NOTES

The depth dimension includes the DIN rail clamp.

- (1) With 85...100 Vdc input, constant power, the output current shall be reduced by 30%
- (2) Please apply a derating factor of -0.015 A/°C (24Vdc version) or -0.03 A/°C (12Vdc version) for temperature above 50°C
- (3) The value of the supplied current also depends upon the line resistance

BLOCK DIAGRAM



VERSIONS

Output 24 Vdc 3 A

Output 12 Vdc 6 A

INPUT TECHNICAL DATA

| |
|--|
| Input rated voltage |
| Frequency |
| Current @ nominal Iout (Uin 120 / 230 Vac) |
| Inrush peak current |
| Power factor |
| Internal protection fuse |
| External protection on AC line |

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 120 / 230 Vac) |
| Overload / short circuit protections |
| Status signals |
| Uout threshold for alarm contact |
| Parallel connection |
| Redundant parallel connection |

GENERAL TECHNICAL DATA

| |
|---|
| Efficiency (Uin 120 / 230 Vac) |
| Dissipated power (Uin 120 / 230 Vac) |
| Operating temperature range |
| Input / output isolation |
| Input / ground isolation |
| Output / ground isolation |
| Standard / approvals |
| EMC Standards |
| 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

Cod. XCSD1072W024AA

Cod. XCSD1072W012AA

CSD1072W024AA

CSD1072W012AA

120-230 Vac (range 90...264 Vac / 100...370 Vdc) (1)

47...63 Hz

1.25 A / 0.8 A ± 10%

< 15 A

> 0.6

T 1 A replaceable

circuit breaker: 2 A - C characteristic - fuse: T 2 A

24 Vdc

12 Vdc

24 - 28 Vdc

12 - 15 Vdc

3 A @ 55°C (2)

6 A @ 55°C (2)

4 A (3)

6.5 A (3)

< 1%

≤ 50 mVpp

>12 ms / >20 ms

hiccup at the overload limit with auto reset / over temperature

"DC OK" green LED

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possible

possible with external ORing diode

>89%

>89%

9,6 W / 7,9 W

10 W / 8,5 W

-20...+60°C, with derating over 55°C / thermal protection (2)

3 KVac / 60 s - SELV output

class 2 without PE connection

class 2 without PE connection

IEC950, EN60950, UL508, UL60950

EN61000-6-2, EN61000-6-3

II / 2

IP 20

2.5 mm², screw type fixed (24-12 AWG)

UL94V-0 plastic material

130 g

vertical on rail, allow 10 mm spacing between adjacent components

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