

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

- Single-phase input 85...264 Vac / 100...370 Vdc
- Short circuit, overload, over temperature, input/ output overvoltage protections
- Push-in connection, external tools unnecessary
- Alarm contact with undervoltage relay
- Compact dimensions
- Suitable for applications in SELV and PELV circuits



LxPxA: 40x115x115 mm



**UL pending**

### NOTES

- (1) With 100...127 Vdc, the output current shall be reduced by 25%
- (2) The value of the supplied current also depends upon the line resistance

### VERSION

**Standard**

**Coated version**

**CL1-072W/024V/AA**

**Cod XCSL1072W024VAA**

**CL1-072W/024V/GA**

**Cod XCSL1072W024VGA**

### INPUT TECHNICAL DATA

Input rated voltage	120–230 Vac (range 85...264 Vac / 100...370 Vdc) (1)
Frequency	47...63 Hz
Current @ nominal Iout (Uin 120 / 230 Vac)	0.8 A / 0.4 A ± 10%
Inrush peak current	< 15 A
Power factor	> 0.7
Internal protection fuse	T 2 A
External protection on AC line	Circuit breaker: 4 A - C characteristic - fuse: T 4 A

### OUTPUT TECHNICAL DATA

Output rated voltage	24 Vdc
Output adjustable range	16 ... 28 Vdc
Continuous current	3 A
Overload limit	>6 A for >30 s with Uout >21.6 V (2)
Short circuit peak current	15 A for 50 ms (2)
Load regulation	< 2%
Ripple @ nominal ratings	40 mVpp
Hold up time @ In (Uin 120 / 230 Vac)	>20 ms / >20 ms
Overload / short circuit protections	hiccup at the overload limit with auto reset / over temperature protection
Status signals	LED green "DC OK" / allarm contact "DC OK"
Uout threshold for alarm contact	<22.0 Vdc
Parallel connection	possible
Redundant parallel connection	possible with external Oring diode

### GENERAL TECHNICAL DATA

Efficiency (Uin 120 / 230 Vac)	>87% / 87%
Dissipated power (Uin 120 / 230 Vac)	10.8 W / 10.8 W
Operating temperature range	-20...+70°C, with derating -3 W/°C over 50°C / thermal protection
Input / output isolation	3 kVac / 60 s output SELV
Input / ground isolation	1.5 kVac / 60 s
Output / ground isolation	0.5 kVac / 60 s
Standard / approvals	EN60950, UL508, UL60950
EMC Standards	EN61000-6-2, EN61000-6-4
Overvoltage category / Pollution degree	II / 2
Protection degree	IP 20 IEC 529 EN60529
Connection terminal	push-in connection 2.5 mm <sup>2</sup>
Housing material	aluminum
Approx. weight	400 g
Mounting information	vertical on rail, allow 20mm spacing between adjacent components

### MOUNTING ACCESSORIES

Mounting rail type according to IEC60715/TH35-7.5

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