

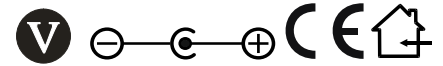
CLD 12024 T2 E series

120W Constant Voltage Desktop Type Switching Power Supply



■ Features:

- Constant voltage design
 - Universal AC input
- Protections: Short circuit / Overload / Over voltage
 - Cooling by free air convection
 - Isolation class II



Ⓢ ELECTRICAL SPECIFICATION

| | |
|---------------------------|--|
| MODEL | CLD 12024 T2 E |
| OUTPUT | |
| Rated Voltage | 24V |
| Rated Current | 5A |
| Rated Power | 120W |
| Line Regulation | ± 2% |
| Load Regulation | ± 5% |
| Tolerance [3] | ± 5% |
| Ripple & Noise (max.) [2] | 480mV _{p-p} |
| Setup, Rise Time [4] | 4 s, 20 ms / 230VAC at full load |
| Hold up Time | 50 ms / 230VAC at full load |
| INPUT | |
| Voltage Range | 90 ÷ 264VAC |
| Frequency Range | 47 ÷ 63Hz |
| Efficiency (typ.) | 85% |
| AC Current (typ.) | 2.14 A / 115VAC, 1.0 A / 230VAC |
| PROTECTIONS | |
| Overload | Range: 110 ÷ 150% rated current |
| | Type: hiccup mode, auto-recovery. |
| Short Circuit | Type: hiccup mode, auto-recovery. |
| Over voltage | 18 ÷ 25VDC |
| | Type: shut down output voltage. Re-power on to recovery. |

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WORKING ENVIRONMENT

| | |
|----------------------------------|---|
| Working Temperature | 0°C ÷ 40°C |
| Working Humidity | 5 ÷ 95% RH non-condensing |
| Storage Temperature and Humidity | -20°C ÷ 85°C, 5 ÷ 95% RH non-condensing |

SAFETY AND EMC REGULATIONS [5]

| | |
|-------------------|--|
| Safety Standards | Compliance to EN60950-1 |
| Withstand Voltage | I-P/O-P: 5.3 kVAC |
| EMC Emission | Compliance to EN55032 |
| EMC Immunity | Compliance to EN55024 |
| Harmonic Current | Compliance to EN61000-3-3; EN61000-3-2 |

OTHERS

| | |
|--------------------|---|
| Dimensions | 170 x 65 x 40 mm (length x width x height) |
| Weight and Packing | 0.39kg; 30pcs./ctn; ctn weight and dimensions: 15kg; 48.5 x 32.5 x 40cm |

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF i 47µF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. According to EN61204-3 standard power supply is considered as component not indented to apply by end-user. It might turn out to use additional EMI filter (eq. 061B2S) or/and ferriite cores (eq. 74271222) mounted on input and output wires to achieve compliance with EMC standards. The final equipment with power supply must be re-quality to comply with EMC Directives.

Ⓞ MECHANICAL SPECIFICATION

