

SPECIFICATIONS

HARDWARE

Enclosure
UL Compliant Fully Isolated Plastic Housing

Installation Method
DIN RAIL (35MM)

DIN Rail Spec
TS35/7.5 or TS35/15

LED Indicators
Output Voltage Status

Dimensions
4.9" x 3.4" x 5.1"

Product Weight
3.4 lb

INPUT SPECIFICATIONS

Connector Type
Screw Terminals

AC Voltage Range
90 - 264VAC

Frequency Range
47 - 63Hz

Power Factor (PF Typ.)
≥ 0.94 / 230VAC
≥ 0.99 / 115VAC

DC Voltage Range
127 - 370VDC

Efficiency (Typ.)
94%

AC Current (Typ.)
5A / 115VAC
2.5A / 230VAC

Inrush Current (Typ.)
40A / 115VAC at Cold Start
80A / 230VAC at Cold Start

Leakage Current
< 0.8mA / 240VAC

OUTPUT SPECIFICATIONS

Connector Type
Screw Terminals

DC Voltage
48VDC

Rated Current
10A

Current Range
0 - 10A

Rated Power
480W

Voltage Adjustable Range
48 - 55VDC

Voltage Tolerance
±1%

Ripple and Noise (Max.)
120mVp-p

Output Load Derating
80% of full load at 70°C

Line Regulation
±0.5%

Load Regulation
±1%

Set-Up, Rise Time
1500ms, 150ms/230VAC
3000ms, 150ms/ 115VAC at Full Load

Hold Up Time (Typ.)
14ms / 230VAC at Full Load

DC OK Relay Contact Rating
60VDC/0.3A
30VDC/1A
30VAC/0.5A resistive load

PROTECTION SPECIFICATIONS

Short Circuit/ Overload
Overload Power
110 ~ 150% of rated output power for 3 sec.
Overload Protection Type
Constant Current Limiting Recovers automatically after fault condition is removed

Over Voltage
Rated Voltage 56 - 65VDC
Over Voltage Protection Type
Shutdown output voltage with auto-recovery

Over Temperature
Rated Temperature
105°C ± 5°C detection on power transistor heat sink
Over Temperature Protection Type
Shutdown output voltage, recover automatically after temperature drops

ENVIRONMENTAL SPECIFICATIONS

Air temperature
System On -25 to 70°C
System Off -40 to 85°C

Operating Humidity (non-condensing)
20% to 95%

Vibration
Component: 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes ;
Mounting: IEC60068-2-6 compliant

Mean time between failures
12.9 years

EXPORT INFORMATION

Packaged Shipping Weight
3.5 lb

Package Dimensions
6.8" x 4.8" x 6.0"

UPC Code
7-56727-32124-8

ECCN
4A994

Schedule B Number
8504.40.6007

Warranty
3 Years

REGULATORY APPROVALS

Emissions
European Standard EN61204-3
European Standard EN55022
Class B Limit
IEC 1000-3-2/EN61000-3-2: Harmonic
Class A Limit
IEC 1000-3-2/EN61000-3-2: Flicker

Immunity
European Standard EN61204-3
European Standard EN55024:
IEC 1000-4-2/EN61000-4-2: Electrostatic Discharge (ESD)
IEC 1000-4-3/EN61000-4-3: Radiated Radio-Frequency (RF)
IEC 1000-4-4/EN61000-4-4: Fast Transient/Burst
IEC 1000-4-5/EN61000-4-5: Surge
IEC 1000-4-6/EN61000-4-6: Conducted Disturbance
IEC 1000-4-8/EN61000-4-8: Magnetic field
IEC 1000-4-11/EN61000-4-11: Dips and Voltage Variations

Safety
UL60950, UL508

Other
European Standard: RoHS 2 compliant under CE

Regulatory Approvals



Warranty Information
Comtrol offers a 30-day satisfaction guarantee and 3-year limited warranty.

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