

PWR-4505



25W, Single-output, Industrial, DIN-rail, Switching Power Supply

Specifications Typical* at T_A = +25°C

Module	PWR-4505
Input	85 to 264VAC, 120 to 370VDC
Frequency	47 to 63Hz
Input Current	1.5A/115VAC, 0.75A/230VAC
Inrush Current	Cold start 30A/115VAC, 60A/230VAC
Efficiency	72%
Output Voltage & Current Rating	5V, 5A
Temperature Coefficient	±0.03%/°C
Ripple Voltage	100mVp-p
Overload Protection	105 To 150% Rated Output Power
Over Voltage Protection	5.75 To 6.75v
Over Temperature Protection	135°C Detect on Heatsink of Power Transistor
Dielectric Strength	Between Input and Output Terminals: 3kv, 1 Minute Between Input and Fg: 1.5kv, 1 Minute Between Output and Fg: 0.5kv, 1 Minute
Insulation Resistance	Between Input and Output Terminals/Input and Fg/Output and Fg: 100mω/500VDC
Operating Temperature	-10°C to +50°C
Storage Temperature	-20°C to +85°C
Relative Humidity	10-95%
Mechanical Dimensions (l)x(w)x(h)	3.66" x 3.07" x 2.24" (93mm x 78mm x 57mm)
Terminal Screw	M3

NOTES:
*Contact factory or your local Dataforth sales office for maximum values.

FEATURES

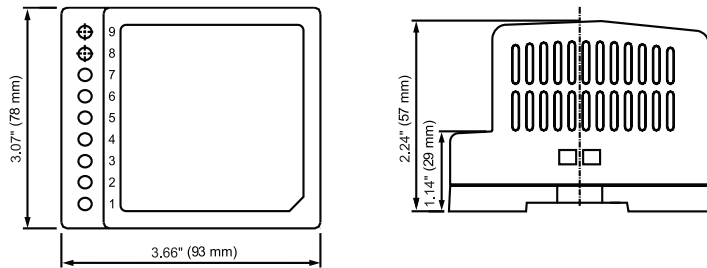
- Universal AC Input (85 to 264VAC)
- DC Compatible Input (120 to 370VDC)
- Protections: Short Circuit, Overload, Over Voltage, Over Temperature
- Mounts on DIN-rail TS-35/7.5 & 15
- Approvals: UL/cUL, TUV, CB, CE
- CE Compliant, UL 508 Listed
- TUV EN60950-1 Approved
- Compliant with EMC Directive EN50082-2
- LED Indicator for Power On

BENEFITS

- Small and Lightweight
- Performance Matching Dataforth Signal Conditioning Module Requirements
- Wide Input Voltage Range
- More Efficient Than A Linear Power Supply
- Convenient System Expansion and Repair

APPLICATIONS

- Designed for Embedded Applications
 - PC/104 Embedded Solutions
 - Compact PCI Systems
 - VMEbus Systems
 - PXI Systems
- Designed for Industrial Plant Environments
 - High-vibration Environments
 - Dataforth Signal Conditioning Modules



Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	6,7	DC OUTPUT+V
2	AC/N	8	LED
3	FG ⊕	9	+VADJ.
4,5	DC OUTPUT-V		



Figure 4: PWR-4505 Physical Dimensions