



- Rugged Design for Industrial Applications
- Up to 87% Efficiency
- Full Power to +55 °C
- Wide Adjustment Range

Specification

Input

Input Voltage	• 85-264 VAC, 90-375 VDC
Input Frequency	• 47-63 Hz
Input Current	• 1.8A (115VAC), 1.0A (230VAC)
Inrush Current	• 30/60 A at 115/230 VAC
Earth Leakage Current	• 1.0 mA max
Input Protection	• Internal fuse T2A, 250 VAC fitted in line

Output

Output Power	• 60W @ 55C • 36W @ 70C
Output Voltage	• 48V Output
Voltage Trim	• 48V to 55V
Output Current	• 1.25A max
Initial Set Accuracy	• ±1%
Minimum Load	• No minimum load required
Line Regulation	• ±1.0% max
Load Regulation	• ±1.0% max
Ripple & Noise	• 200mV pk-pk
Oversvoltage Protection	• Output 58 to 64 volts (shut down)
Overload Protection	• 105-150% (current limiting)
Temperature Coefficient	• ±0.03%/°C

General

Efficiency	• 87%
Isolation	• 3000 VAC Input to Output, 1500 VAC Input to Ground, 500 VAC Output to Ground
Signals	• DC ON indicator LED On
MTBF	• 300 kHrs Mil Handbook -217F (25 °C)
DIN Rail	• Compatible with TS35/7.5 or TS35/15

Environmental

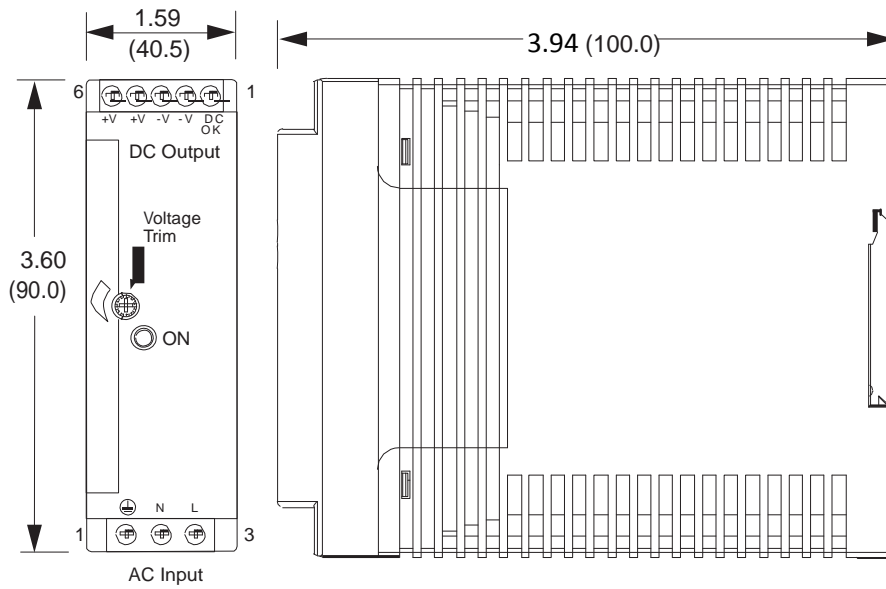
Operating Temperature	• -20°C to +70°C (see derating curve)
Cooling	• Convection-cooled with 25mm free space all sides
Operating Humidity	• 20-90% RH, non-condensing
Storage Temperature	• -40 °C to +85 °C

EMC & Safety

Emissions	• EN55022, level B conducted & radiated
Harmonic Currents	• EN61000-3-2, -3
ESD Immunity	• EN61000-4-2, level 4, Perf Criteria A
Radiated Immunity	• EN61000-4-3, level 3, Perf Criteria A
EFT/Burst	• EN61000-4-4, level 4, Perf Criteria A
Surge	• EN61000-4-5, class 3, Perf Criteria A
Conducted Immunity	• EN61000-4-6, level 3, Perf Criteria A
Magnetic Field	• EN61000-4-8, level 4 Perf Criteria A
Interruptions	• EN61000-4-11, 30% 10 ms, 60% 100 ms, 100% 5000 ms Perf Criteria A,
Safety Approvals	• EN60950-1, UL508

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Mechanicals



Notes

1. All dimensions in inches (mm).
2. Weight 0.8 lb (350 g) approx.
3. Tolerance: ± 0.02 (0.5) maximum

Connection	Pin	Designation
AC Input	1	Ground
	2	Neutral
	3	Line
DC Output	1,2	DC OK : Contact Closed
	3	Negative
	4	Negative
	5	Positive
	6	Positive

Derating Curve

