

GLS50, GLS50-M Series Specifications

Electrical Specifications

Input	
Input range	90-264 Vac (wide range); 127-300 Vdc
Frequency	47-440 Hz
Inrush current	<60 A peak @ 230 Vac, cold start @ 25°C
Input power	< 74 Watts
Efficiency	80 - 85% typical at full load
EMI/RFI	FCC Class B conducted; CISPR 22 Class B conducted; EN55022 Class B conducted; VDE 0878 PT3 Class B conducted
Safety ground leakage current	<0.5 mA @ 50/60 Hz, 264 Vac input for class I; < 0.25 mA @ 50/60 Hz; 264 Vac input for class II GLS50-M: 275 uA @ 50/60 Hz; 264 Vac input
Output	
Maximum power	60 W convection; (GLS52, 55 W)
Adjustment range	±20% minimum
Hold-up time	10/20 ms 115/230 Vac input line
Overload protection	Short circuit protection on all outputs Case overload protected @ 110-160% of normal rating
Overvoltage protection	30-50% above nominal output
Remote sense	Compensates for 0.5 lead V lead drop max. Will operate without remote sense. Reverse connection protected.

Environmental Specifications

Operating temperature	0° to 50°C ambient. Derate each output 2.5% per degree from 50° to 70°C. -20°C start up.
Storage temperature	-40°C to 85°C
Electromagnetic susceptibility	Designed to meet EN61000-4; -2, -3, -4, -5, -6, -8, -11 Level 3
Humidity	Operating; non-condensing 10% to 95% RH
Vibration	IEC68-2-6 to the levels of IEC721-3-2
MTBF demonstrated	> 550,000 hours at full load and 25°C ambient conditions

Mating Connectors	
AC Input	Molex 09-50-8031 (USA); 09-91-0300 (UK) PINS: 08-52-0113
DC Outputs	Molex 09-50-8061 (USA); 09-91-0600 (UK) PINS: 08-52-0113

Connector Kit #70-841-006, includes all of the above	
1. Specifications subject to change without notice.	
2. All dimensions in inches (mm), tolerance is ±0.02" (±0.5mm).	
3. Mounting holes M1 and M2 should be grounded for EMI purposes.	
4. Mounting hole M1 is safety ground connection.	
5. Specifications are for convection rating at factory settings at 115 Vac input, 25°C unless otherwise stated.	
6. Warranty: 2 year	
7. Weight: 0.41 lb/0.18 kg	



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