

- Universal AC Input
- High Efficiency, High Reliability
- Wide Temperature Range -10 to +60 °C
- Built In DC OK Relay Contact (1A rated)
- Power On LED, Output Voltage Trim
- Short Circuit, Over Load, Over Voltage Protected
- No Load Power Consumption <1W
- Full Approvals: UL/cUL/TUV/CE/CB
- 3 Year Warranty
- Very Competitive Prices / From Stock



Size: 90(H) x 55(W) x 100(D) mm

Specification

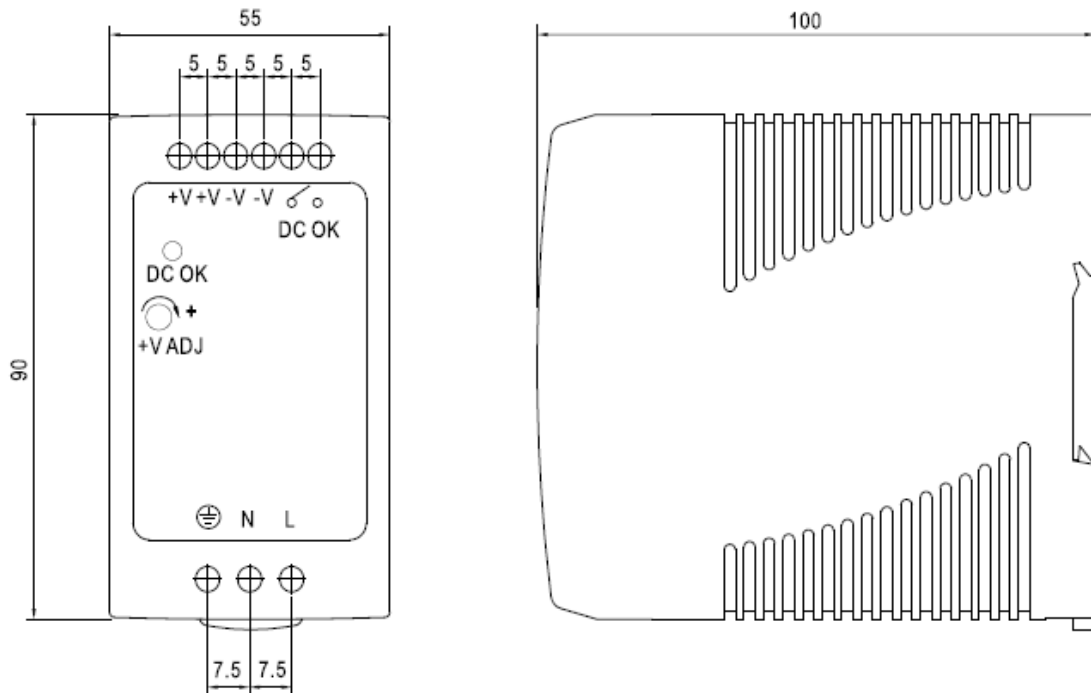
Input Voltage (Universal).....	85~264 VAC, (120~370 VDC)
Input Frequency.....	47~63 Hz
Inrush Current.....	Cold start, 30A @ 115VAC, 60A @ 230 VAC
Input Current.....	1.3 A @115 VAC, 0.8 A @ 230 VAC
No Load Input Power.....	<1 Watt
Power Factor.....	>0.95 @ 230VAC, >0.98 @ 115 VAC
Load Regulation.....	+/-1.0%
Line Regulation.....	+/-1.0%
Leakage Current.....	<1 mA @ 240 VAC
Output Voltage.....	See table below (plus adjustment range)
Over Load Protection.....	105~150% constant current limiting (auto-recovery)
Over Voltage Protection.....	Shuts down, re-power unit to reset
Set Up, Rise, Hold Up Time.....	3000 ms, 50 ms, 50 ms @ 230 VAC full load
Isolation Voltage.....	I/P-O/P: 3 kVAC,
Operating Temperature.....	-10~+60 °C (see derating curve)
Safety Standards.....	UL508, TUV EN60950-1, NEC class 2 (24/48V only)
EMC Standards.....	EN55011, EN55022 (CISPR22) Class B EN61000-3-2, 3. EN55024, EN61000-6-2 EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204 EN61204-3 heavy industry level, criteria A
Dimensions.....	90(H) x 55(W) x 100 (depth from rail) mm
MTBF.....	346 khrs (MIL-HDBK-217F) @ 25 °C
Weight.....	0.42 kg

Models and Ratings

Model	Output	Adj. Range	Ripple/Noise	Efficiency
MDR-100-12	12.0 V / 7.5 A	12 V ~ 15 V	120 mV	85%
MDR-100-24	24.0 V / 4.0 A	24 V ~ 30 V	150 mV	86%
MDR-100-48	48.0 V / 2.0 A	48 V ~ 56 V	200 mV	88%

For mechanical details and connections, see next page

Mechanical Details

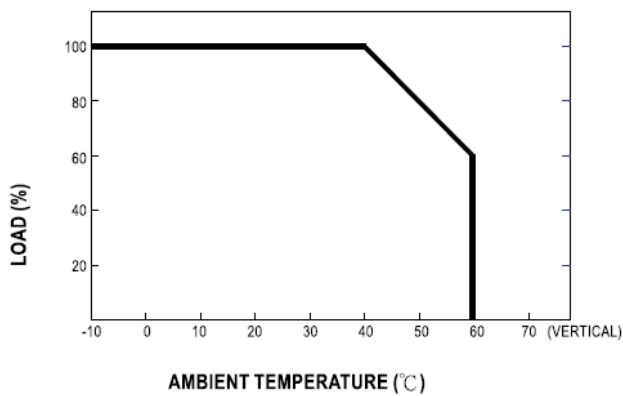


DC OK Relay:

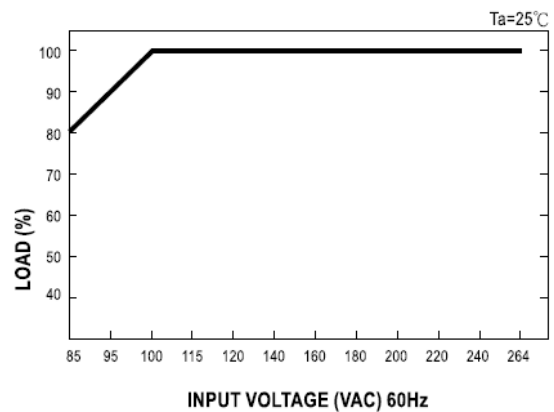
Contact closed when the output voltage reaches the adjusted output voltage
 Contact opens when the output voltage drops below 90% of the output voltage
 Contact rating is 30V/1A max. (resistive load)

Derating Curves:

Load vs Ambient Temperature



Load vs Input Voltage



Specifications can change without notice. E&OE. ALL PSU Terms & Conditions apply.

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