SSL40 Series Single output



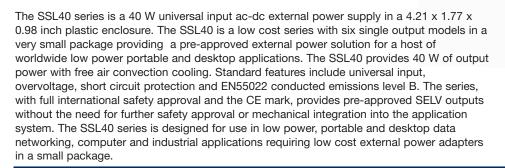
EXTERNAL AC/DC POWER SUPPLIES

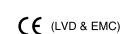
40 W External AC/DC Power Supplies

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- 4.21 x 1.77 x 0.98 inch enclosure
- 40 W external power supply
- Molded UL94V-0 plastic enclosure
- Stand alone 'listed' equipment
- Overvoltage and short circuit protection
- EN55022, EN55011, FCC conducted and radiated emissions level B
- UL, CSA and VDE safety approvals
- Available RoHS compliant

OUTPUT SPECIFICATIONS





2 YEAR WARRANTY

All specifications are typical at nominal input, full load at 25 °C unless otherwise stated

SPECIFICATIONS

Line regulation	Single output	±0.5%
Total regulation	(See Note 3)	±2.0%
Overshoot/undershoot	At turn on	1.0%
Transient response	Main output 50% to 100% load step	±5.0% max. dev., 1ms recovery to 1.0%
Temperature coefficient		±0.02%/°C, max.
Overvoltage protection		See table
Output power limit		135% to 175% of max. output power
Short circuit protection		Continuous with auto-restart

INPUT SPECIFICATIONS		
Input voltage range	90-264 Vac	
Input frequency range		47-440 Hz
Input current	90 Vac 220 Vac	1.00 Arms max. 0.52 Arms max.

EMC CHARACTERISTICS

Radiated emissions EN55022/11, FCC part 15 Level B Conducted emissions EN55022/11, FCC part 15 Level B

GENERAL SPECIFICATIONS

Hold-up time	110 Vac @ 40 W 230 Vac @ 40 W	5 ms 45 ms
Efficiency	110 Vac @ 40 W	83% typical
Isolation voltage	Input/output	3000 Vac
Switching frequency	Fixed	100 kHz ±10 kHz
Approvals and standards	Safety	VDE0805, EN60950 IEC950, UL1950 CSA C22.2 No. 950
Case material	Genera	l Electric Lexan, black
Flammability rated		UL94V-0
Weight		200 g (7.06 oz)
MTBF	MIL-HDBK-217F	150,000 hours min.

ENVIRONMENTAL SPECIFICATIONS

Thermal performance	Operating temperatur full load, no derating Non-operating 0 °C to +40 °C ambie convection cooled	–40 °C to +85 °C
	Peak	(See Note 1)
Relative humidity	Non-condensing	5% to 95% RH
Altitude	Operating Non-operating	10,000 feet max. 30,000 feet max.
Vibration (See Note 6)	5-500 Hz	2.4 G rms
Shock	per MIL-STD-810E	516.4 Part IV

International Safety Standard Approvals



VDE0805/EN60950/IEC950 License No. 104723G

UL1950 File No. E136005

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CSA C22.2 No. 950 File No. LR41062

SSL40 Series Single output



EXTERNAL AC/DC POWER SUPPLIES | 40 W External AC/DC Power Supplies

For the most current data and application support visit www.artesyn.com/powergroup/products.htm

OUTPUT	Ol	JTPUT CURREN	тѕ	- RIPPLE ⁽²⁾	OVP	TOTAL	MODEL
VOLTAGE	MIN	MAX	PEAK (1)	RIPPLE (4)	THRESHOLD (5)	REGULATION (3)	NUMBER (8,9)
+12 V	0 A	3.0 A	3.5 A	250 mV	15.0-18.0 V	±2.0%	SSL40-7612J
+14 V	0 A	2.7 A	3.2 A	250 mV	16.5-19.5 V	±2.0%	SSL40-7614J
+15 V	0 A	2.6 A	3.0 A	250 mV	17.5-21.0 V	±2.0%	SSL40-7615J
+18 V	0 A	2.2 A	2.6 A	250 mV	22.0-25.5 V	±2.0%	SSL40-7618J
+24 V	0 A	1.6 A	1.9 A	250 mV	29.0-34.2 V	±2.0%	SSL40-7624J
+48 V	0 A	0.83 A	1.0 A	250 mV	55.0-64.0 V	±2.0%	SSL40-7617J

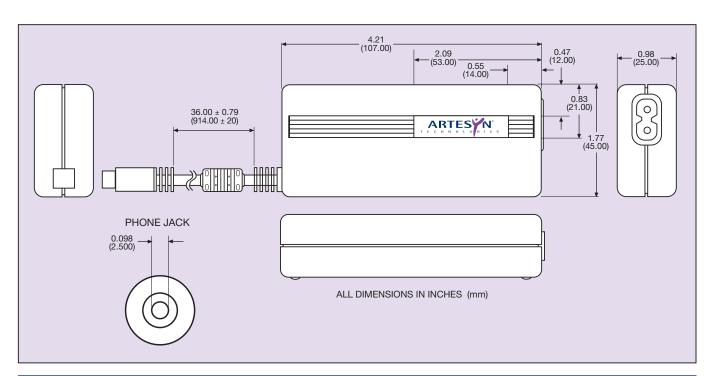
Notes

- Peak output current lasting less than 60 seconds with duty cycle less than 5.0%. During peak loading, output voltage may exceed total regulation
- 20 MHz bandwidth, peak to peak, measured using a 12 inch twisted pair terminated with a 47 μ F electrolytic capacitor.
- Total regulation is defined as the static output regulation at 25 °C, including initial tolerance, line voltage within stated limits, load currents within stated limits, and output voltages adjusted to their factory settings.
- To help maintain the power supply safety approvals, the IEC320/C7 input connector cable must be rated minimum 3.0 A and approved by an applicable safety agency for the intended country of use. National and international variations on mains plugs, adapters and customer preference to lead length prevents Artesyn from supplying an IEC320/C7 (or compatible) input connector cable. The IEC320/C7 input (or compatible) connector cable can be sourced locally, e.g. Newark, Qual Electronics, Radio Shack, etc. or other non affiliated distributors.

Notes

- Output voltage protected by Zener diode.
- Three orthogonal axes random vibration, 10 minute test for each axis.
- IEC320/C8 type input connector.
- The 'J' suffix indicates that these parts are Pb-free (RoHS 6/6) compliant. TSE RoHS 5/6 (non Pb-free) compliant versions may be available on special request, please contact your local sales representative for details.
- NOTICE: Some models do not support all options. Please contact your local Artesyn representative or use the on-line model number search tool at http://www.artesyn.com/powergroup/products.htm to find a suitable alternative.

PIN CONNECTIONS 2.5 MM JACK PLUG			
Inner	V _A	SWITCHCRAFT Power	
Outer	Return	Jack, P/N 712A or equiv.	



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