

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

SSL40 Series

Single output

- 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



The SSL40 series is a 40 W universal input ac-dc external power supply in a 4.21 x 1.77 x 0.98 inch plastic enclosure. The SSL40 is a low cost series with six single output models in a very small package providing a pre-approved external power solution for a host of worldwide low power portable and desktop applications. The SSL40 provides 40 W of output power with free air convection cooling. Standard features include universal input, overvoltage, short circuit protection and EN55022 conducted emissions level B. The series, with full international safety approval and the CE mark, provides pre-approved SELV outputs without the need for further safety approval or mechanical integration into the application system. The SSL40 series is designed for use in low power, portable and desktop data networking, computer and industrial applications requiring low cost external power adapters in a small package.

CE (LVD & EMC)

2 YEAR WARRANTY

SPECIFICATIONS

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

OUTPUT 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	Universal input	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		General 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 temperature full load, no derating Non-operating 0 °C to +40 °C ambient, convection cooled Peak	0 °C to +40 °C –40 °C to +85 °C Full load (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

CSA C22.2 No. 950 File No. LR41062

SSL40 Series

Single output

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

OUTPUT VOLTAGE	OUTPUT CURRENTS			RIPPLE [2]	OVP	TOTAL	MODEL
	MIN	MAX	PEAK [1]		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

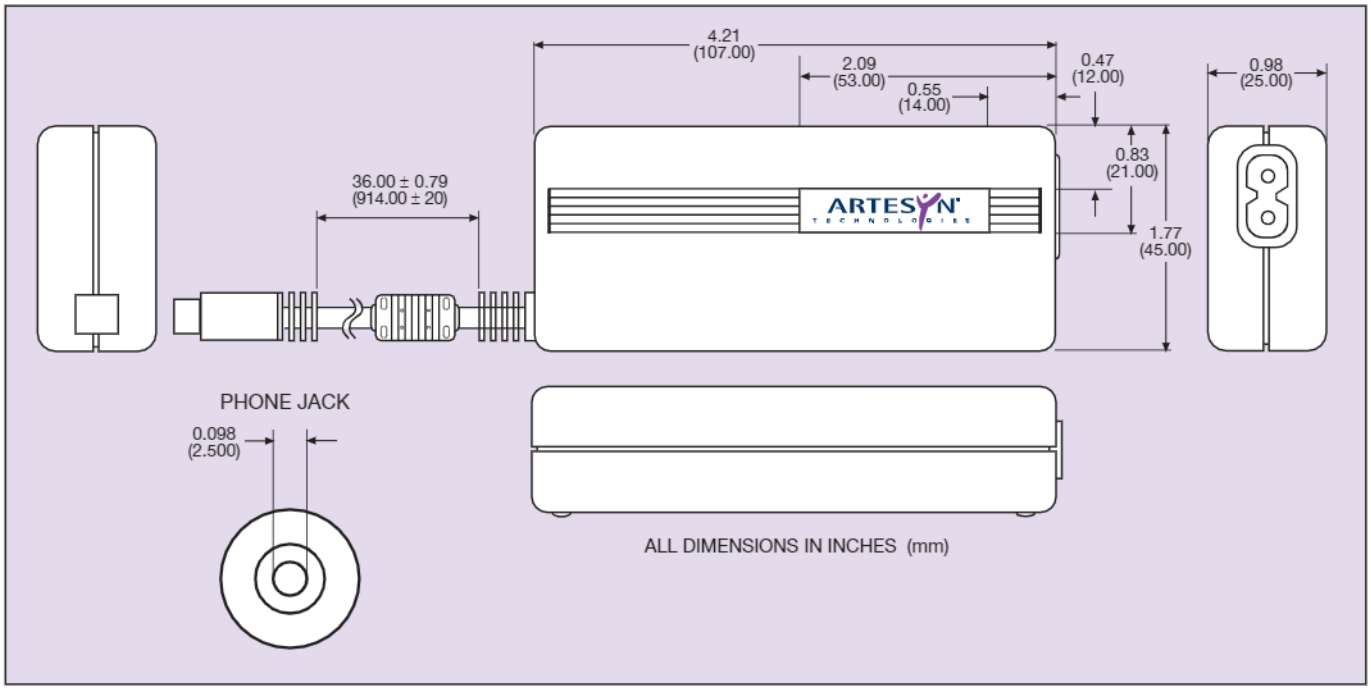
Notes

1. Peak output current lasting less than 60 seconds with duty cycle less than 5.0%. During peak loading, output voltage may exceed total regulation limits.
2. 20 MHz bandwidth, peak to peak, measured using a 12 inch twisted pair terminated with a 47 µF electrolytic capacitor.
3. 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.
4. 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

5. Output voltage protected by Zener diode.
6. Three orthogonal axes random vibration, 10 minute test for each axis.
7. IEC320/C8 type input connector.
8. 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.
9. 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.



Datasheet © Artesyn Technologies® 2005
The information and specifications contained in this datasheet are believed to be correct at time of publication. However, Artesyn Technologies accepts no responsibility for consequences arising from printing errors or inaccuracies. The information and specifications contained or described herein are subject to change in any manner at any time without notice. No rights under any patent accompany the sale of any such product(s) or information contained herein.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP