

SCL SERIES

AC/DC Single & Multi Output: 25 Watts



Features

- Office of Energy approval. (App No. N14195).
- Austel approval CCL A95/PS/0224
- Sturdy moulded closed top plastic enclosure.
- 90 VAC to 264 VAC universal input.
- UL, CSA, VDE and BABT approved.
- Short circuit protection indefinite.
- Meets FCC, VDE and EN limit B line conducted and radiated noise.
- IEC power input receptacle.
- Output LED indicator.
- EMC approved.

The SCL25 series power supplies are intended for systems requiring "External Power Supplies".

Very compact and smart looking for today's modern electronic equipment, with single or multi output models.

We also welcome requests for voltages other than those indicated in the selection table.

Specifications

INPUT VOLTAGE:	90 VAC to 264 VAC, 120 VDC to 370 VDC
INPUT FREQUENCY:	47 to 440 Hz.
INPUT CURRENT:	0.63 A max @ 90 VAC, 1.3A max @ 230 VAC
INRUSH CURRENT:	18A max. @ 132 VAC, 36A max. @ 264 VAC.
HOLD UP TIME:	10mS @ 110 VAC, 25W, 60mS @ 220 VAC, 25W.
EMC:	Radiated & Conducted: EN 55022, EN55011 Level B. Electrostatic Discharge: EN61000-4-2 Level 4 RF susceptibility: IEC801 - 3 Level 2 Elect. Transients & Bursts: EN61000-4-4 Level 3 Surge Susceptibility: EN61000-4-5 Level 3
SAFETY GROUND LEAKAGE CURRENT:	0.2mA @ 132 VAC, 60Hz. 0.4mA @ 240 VAC, 50Hz.
OPERATING TEMP:	0°C to 40°C, full load (no derating).
STORAGE TEMP:	-40°C to 85°C.
RELATIVE HUMIDITY:	5% to 95%, non-condensing
ALTITUDE:	Operating: 10,000ft. max. Non-operating: 30,000ft. max.
VIBRATION:	Three orthogonal axes, random vibration 10 minute test for each axis: 2.4 Grms 5Hz to 500Hz.
VOLTAGE & CURRENT:	See table.
RIPPLE & NOISE:	1% pk-pk
TEMP CO-EFFICIENT:	±0.02% /°C
TOTAL REGULATION:	See table.
MINIMUM LOAD:	Minimum load 4W to meet MTBF
TRANSIENT RESPONSE:	30% step @ 50% full load. ±3% max. dev. 500µs recovery.
OUTPUT POWER:	25 watts maximum
OVP:	+5V output only
EFFICIENCY:	@ 25W, 110 VAC, 70% typical, 60% minimum for SCL 25-7605, 68% minimum for others.
SHORT CIRCUIT PROTECTION:	Indefinite with auto-restart
GREEN LED INDICATOR:	(7): Normal on.
MTBF:	150Khrs per MIL-HDBK 217F @ 25°C, 220 VAC, 25W output.
COLOUR:	Standard: Black Optional (6): Computer grey.
WEIGHT:	(0.45kg)
SAFETY:	UL1950, IEC950, CSA22.2-234/950 EN60950, EN41003, AS3260 approvals
ISOLATION:	Input - output 3000 VAC Input - chassis 1500 VAC

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MODEL	Output Voltage	A Min.	A Max. (1)	A Peak (2)	Pk-Pk Ripple (3)	Total Regulation (4)
SCL 25-7608	+5V (A)	0A	2.0A	4.0A	50mV	+6%. -4%
	+12V (B)	0A	1.0A	2.0A	120mV	+7%. -5%
	-12V (C)	0A	0.2A	1.0A	120mV	±5%
SCL 25-7610	+5V (A)	0A	2.0A	4.0A	50mV	+6%. -4%
	+15V (B)	0A	0.75A	1.5A	150mV	+9%. -3%
	-15V (C)	0A	0.2A	1.0A	150mV	±5%
SCL 25-7618	+5V (A)	0A	2.5A	4.0A	50mV	+6%. -4%
	+12V (B)	0A	1.0A	2.0A	120mV	+7%. -5%
SCL 25-7605	+5V (A)	0A	4.0A	5.0A	50mV	+6%. -4%
SCL 25-7614-H1	+9.5V (A)	0A	2.5A	3.2A	95mV	±4%
SCL 25-7612-H1	+12V (A)	0A	2.0A	2.5A	120mV	±4%
SCL 25-7624-H1	+24V (A)	0A	1.0A	1.3A	240mV	±4%

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NOTES:

1. Natural convection cooling (25W maximum).
2. Peak output current lasting less than 60 seconds with duty cycle less than 5%. During peak loading, output voltage may exceed total regulation limits.
3. 50MHz bandwidth, peak to peak, measured differentially.
4. Total regulation is defined as the static output regulation at 25°C, including initial tolerance, line voltage within stated limits, load currents within limits and output voltages adjusted to their factory settings.
5. To maintain user-system safety approvals, the input power cable must be appropriately rated and approved by UL, CSA and VDE.
6. Models with optional features can be available on request. Please contact Amtex to discuss your application.
7. The green LED is ON to indicate the presence of output (A). The LED turns off during output short circuit condition.
8. For single output except -7605, an alternative output cable assembly of 2-cord barrel connection/phone jack plug is available... ADD H1 TO MODEL.

SCL25

Dimensions in inches (mm)

