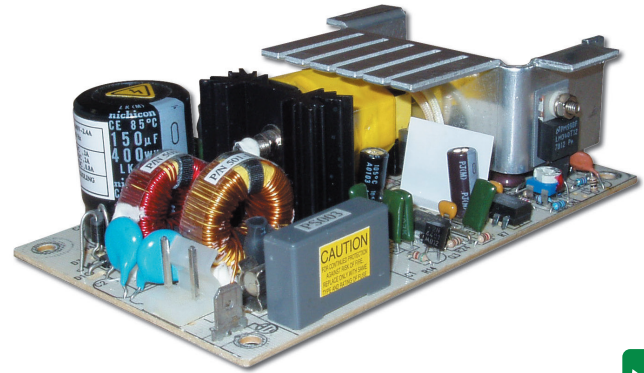


## 40-60W, 3 x 5" AC-DC Power Supplies

### Features

- ◆ Low Cost
- ◆ Single and Multiple Outputs
- ◆ Wide Range AC Input
- ◆ Low profile
- ◆ Global Safety Agency Compliance
- ◆ Meets EN61000-4 (-2 to -6)
- ◆ Industry standard footprint



### Key Market Segments & Applications



| Specifications           |        |                                                                  |       |               |       |       |
|--------------------------|--------|------------------------------------------------------------------|-------|---------------|-------|-------|
| Model                    |        | SCS40                                                            | SCT4x | SCS60         | SCD60 | SCT6x |
| Output Power Convection  | W      | 40                                                               |       | 60            |       |       |
| Output Power Forced Air  | W      | 55                                                               |       | -             |       |       |
| Main Output Adjustment   | V      | -5, +10% O/P 1 only                                              |       | -5, +10%      |       |       |
| Line and Load Regulation | %      | Output 1: ±2%, Output 2: ±5% (±7% on 24V models), Output 3: ±5%  |       |               |       |       |
| Hold Up Time (typical)   | ms     | 20                                                               |       | 20            |       |       |
| Size                     | (1) in | 3 x 5 x 1"                                                       |       | 3 x 5 x 1.34" |       |       |
| AC Input                 | -      | 85-265 VAC, 47-63 Hz                                             |       |               |       |       |
| Efficiency               | %      | Typically 70% full load at nominal AC Line                       |       |               |       |       |
| Inrush Current Limiting  | A      | 36A typical @230VAC cold start                                   |       |               |       |       |
| Surge Immunity           | -      | EN61000-4 (-2 through -6) level 3                                |       |               |       |       |
| EMI                      | -      | FCC Class B, EN55022 B                                           |       |               |       |       |
| Cross Regulation         | %      | ± 2% on output 1, ±5% on outputs 2 & 3 (multiple outputs only)   |       |               |       |       |
| Ripple and Noise         | %      | 1% peak to peak                                                  |       |               |       |       |
| Overcurrent Protection   | -      | Short circuit protection, automatic recovery                     |       |               |       |       |
| Overvoltage Protection   | -      | Output 1 only, <135%                                             |       |               |       |       |
| Cooling                  | -      | When specified with forced air cooling, flow is 300 LFM (1.5m/s) |       |               |       |       |
| Operating Temp. Range    | (2) -  | 0 to +70°C (Derate linearly to 50% load from 50-70°C)            |       |               |       |       |
| Storage Temperature      | °C     | -20 to +85°C                                                     |       |               |       |       |
| Safety Agency Approval   | -      | UL60950-1, CSA60950-1, IEC/EN60950-1, CE Mark                    |       |               |       |       |
| Warranty                 | yr     | 1 year                                                           |       |               |       |       |

(1) Height is specified as maximum component height

Note: See Installation Manual for full details, test methods of parameters and application notes

(2)  $-40^{\circ}\text{C}$  startup, contact factory for details.

**Last time buy date Apr 5th, 2019 (excludes SCT63)**  
**SCT63 Last time buy date December 2022**

## Options

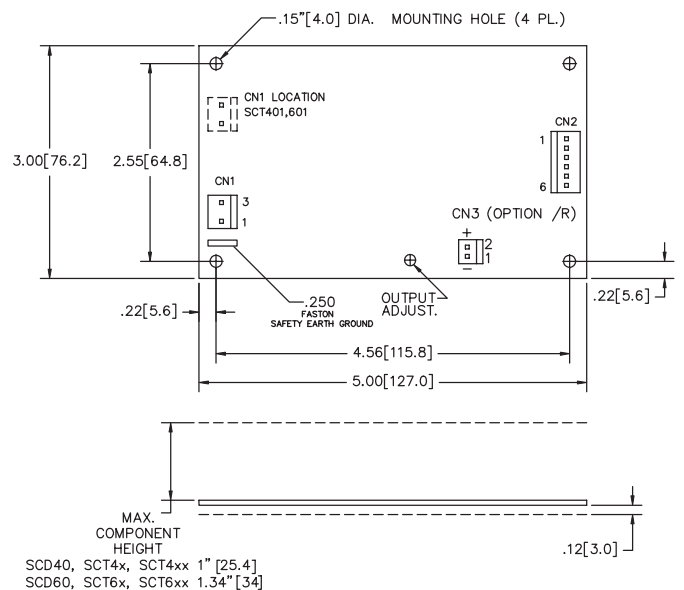
|               | Model     | O/P (V)  | Min Load(A) | Convec. (A) | Forced Air(A) | Peak Load(A)** |
|---------------|-----------|----------|-------------|-------------|---------------|----------------|
| Single Output | SCS4024   | V1 24.0  | -           | 1.6         | 2.3           | 2.5            |
|               | SCS4048   | V1 48.0  | -           | 0.9         | 1.2           | 1.3            |
|               | SCS6012   | V1 12.0  | -           | 5.0         | 6.7           | 7.5            |
|               | SCS6024   | V1 24.0  | -           | 2.5         | 3.3           | 3.8            |
|               | SCS6028   | V1 28.0  | -           | 2.1         | 2.9           | 3.2            |
|               | SCS6048   | V1 48.0  | -           | 1.3         | 1.7           | 1.9            |
| Dual Output   | SCD601515 | V1 15.0  | 0.2         | 2.2         | 2.9           | -              |
|               |           | V2 -15.0 | 0.2         | 1.8         | 2.4           | -              |
| Triple Output | SCT42     | V1 5.0   | 0.4         | 4.0         | 5.0           | 7.0            |
|               |           | V2 12.0  | 0.2         | 2.0         | 2.5           | 4.0            |
|               |           | V3 -12.0 | -           | 0.5         | 0.7           | 1.0            |
|               | SCT45     | V1 5.0   | 0.4         | 4.0         | 5.0           | 7.0            |
|               |           | V2 15.0  | 0.2         | 2.0         | 2.5           | 3.0            |
|               |           | V3 -15.0 | -           | 0.5         | 0.7           | 1.0            |
|               | SCT48/R*  | V1 5.0   | 0.4         | 4.0         | 5.0           | 6.0            |
|               |           | V2 24.0  | 0.1         | 1.0         | 1.5           | 2.0            |
|               |           | V3 -5.0  | -           | 0.5         | 0.7           | 1.0            |
|               | SCT62     | V1 5.0   | 0.7         | 7.0         | -             | 10.0           |
|               |           | V2 12.0  | 0.3         | 3.0         | -             | 6.0            |
|               |           | V3 -12.0 | -           | 0.7         | -             | 1.5            |
| Triple Output | SCT63     | V1 5.0   | 0.7         | 7.0         | -             | 10.0           |
|               |           | V2 15.0  | 0.3         | 2.8         | -             | 4.0            |
|               |           | V3 -15.0 | -           | 0.7         | -             | 1.5            |
|               | SCT65     | V1 5.0   | 0.7         | 7.0         | -             | 10.0           |
|               |           | V2 24.0  | 0.1         | 1.5         | -             | 3.0            |
|               |           | V3 12.0  | -           | 0.7         | -             | 1.5            |

Model Selector Notes:

\* /R = Remote Sense. Leave unconnected when not used.

\*\* <30s, 10% duty cycle, average power must not exceed maximum ratings.

## Outline Drawing



### NOTES:

1. DIMENSIONS SHOWN IN INCH [mm]

2. TOLERANCE .02 [0.5] MAXIMUM

3. MATING CONNECTORS:

|        |            |                         |
|--------|------------|-------------------------|
| CN1    | MOLEX      | 09-50-8031              |
| CN2    | MOLEX      | 09-50-8061              |
| CN2    | MOLEX      | 09-50-8071 (SCT401/601) |
| CN1, 2 | PINS MOLEX | 08-52-0113              |
| CN3    | MOLEX      | 22-01-3027              |
| CN3    | PINS MOLEX | 08-50-0114              |

## Other AC-DC Products

|               |                                          |
|---------------|------------------------------------------|
| ZP            | 20 to 60W 2" x 4", 1-3 outputs           |
| NV175         | 175W 3" x 5", 1-5 outputs                |
| ZWS           | 5 to 240W single output, universal input |
| VSU, VSC, VSP | 10 to 150W single output, 115VAC input   |
| SCS120PW      | 120W 3" x 5" single output               |
| CSS150        | 150W 3" x 5" single output               |

For Additional Information, please visit  
[us.tdk-lambda.com/lp/products/sc-series.htm](http://us.tdk-lambda.com/lp/products/sc-series.htm)



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