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Find the *TDK-Lambda SCS60-24* at our website: *Click HERE*

## 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

Industrial Test COMM

RoHS

### 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°C startup, contact factory for details.

**Last time buy date April 2019 (excludes SCT63)**

## 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 |
| | 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:

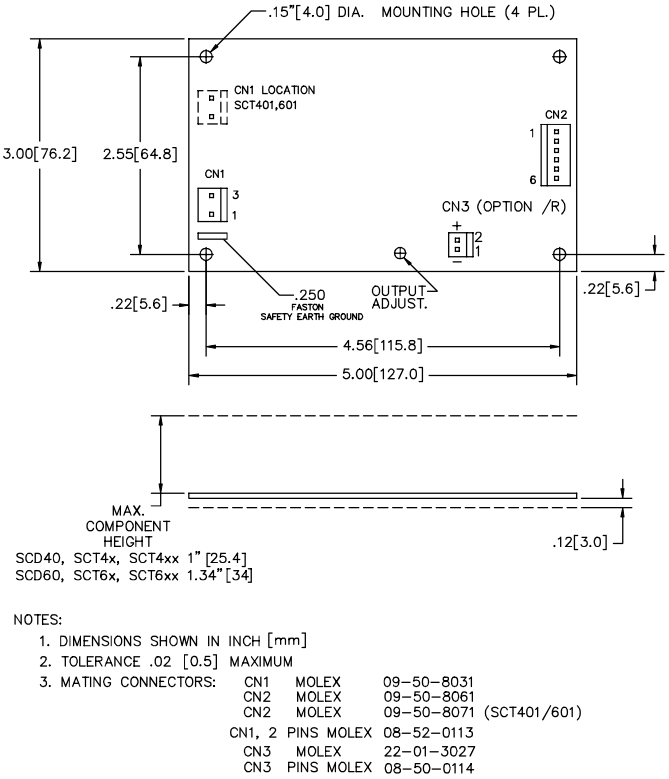
* /R = Remote Sense. Leave unconnected when not used.

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

## 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 |
| VSB, VSC, VSP | 10 to 150W single output, 115VAC input |
| SCS120PW | 120W 3" x 5" single output |
| CSS150 | 150W 3" x 5" single output |

## 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 |

For Additional Information, please visit
us.tdk-lambda.com/lp/products/sc-series.htm

**Last time buy date April 2019 (excludes SCT63)**

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