

SCL Series, 4 and 10 Watt CE Linears



The Sola 4 and 10 Watt encapsulated linears are available in dual and triple outputs for applications with sensitive electronics and analog circuitry. The rugged enclosed encapsulated package, with screw terminals and DIN Rail clips, make for easy installation and maintenance. These low-noise modules are capable of being DIN Rail or Chassis mounted.

Features

- Quiet, low noise DC Linear technology.
- DIN Rail or Chassis mount for easy installation.
- Rugged encapsulated design.
- Global specifications including CE and UL 508.
- Two year warranty.

Packaging and Mounting Specifications

- Simple snap-on for DIN Rail TS35/7.5 or TS35/15.
- M3 screw clamp terminations.
- Chassis mounting possible on -DN Low-Profile versions by removing DIN clips (simply unscrew at the back of the unit).

Selection Table

Catalog Number	Description	Output Voltages					
		V1		V2		V3	
		VDC	A	VDC	A	VDC	A
4 Watt; Linear DC Power Supply; DIN Rail Mount							
SCL4D12-DN	Dual O/P ± 12 V	12	0.15	-12	0.15	-	-
SCL4D15-DN	Dual O/P ± 15 V	15	0.13	-15	0.13	-	-
10 Watt; Linear DC Power Supply; DIN Rail Mount							
SCL10D12-DN	Dual O/P ± 12 V	12	0.35	-12	0.35	-	-
SCL10D15-DN	Dual O/P ± 15 V	15	0.3	-15	0.3	-	-
SCL10T512-DN	Triple O/P, 5 V ± 12 V	5	0.25	12	0.35	-12	0.35
SCL10T515-DN	Triple O/P, 5 V ± 12 V	5	0.2	15	0.28	-15	0.28

Note: Dual output units can be series connected for 24V or 30V applications.

Standards

- CE Certified
- UL 508 Listed
- EN55011/13, 55022/B
- ENV 50140, 10 V/m
- EN61000-4-2, Level 4
- EN61000-4-4, Level 4
- EN61000-4-5, Level 2
- EN60950

Dimensions (H x W x D)

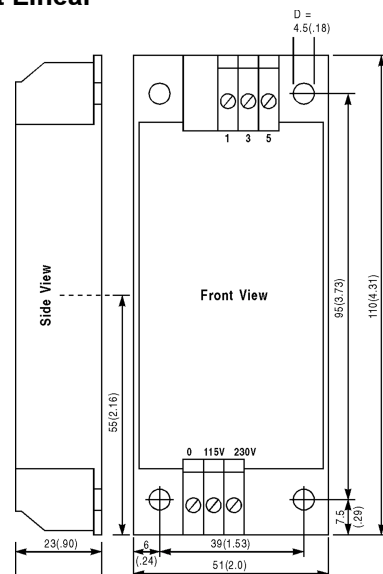
- **4 watt:** 110 x 51 x 23 mm
4.31 x 2.0 x 0.90 inches
- **10 watt:** 120 x 65 x 33 mm
4.71 x 2.55 x 1.29 inches

SCL Series Specifications

Parameter	Condition	Value
Input		
V_m : AC Input Voltage		115/230 \pm 10% VAC Field Selectable
f_m : Input Frequency		47-63 Hz
I_m : Input Current 115/230 V		10 Watt: 0.2 A / 0.1 A max. 4 Watt: 0.1 A / 0.05 A max.
η : Efficiency		Typ. 50%
Filtering		10 Watt Only: VDE 0871/B
Output		
V_{out} : Trimming		Fixed, preset
ΔV_{NF} : Ripple	$V_m = \min, I_{out} = \max, 25^\circ\text{C}$	<5 mV _{pp}
ΔV_{HF} : Noise	$V_m = \min, I_{out} = \max, 25^\circ\text{C}$	<5 mV _{pp}
Regulation Accuracy	100...50%, 25°C	<0.05%
t_R : Load Regulation Timing	10...90...10%, 25°C	100 ms
ϵ : Temperature Coefficient	$T_A = -25...+65^\circ\text{C}$	0.01%/K typ.
t_H : Holdup Time		min. 20 ms
P_{over} : Overload/Short Circuit		Continuous
General		
Conducted Emissions		EN 55 011, Level B
Inducted Noise	ESD HF Burst	EN 61 000-4-2, Level 4 ENV 50 140 (10 V/m) EN 61 000-4-4, Level 4
$V_{isol\ p/s}$: Isolation Voltage (input/output)	$T_A = 25^\circ\text{C}$	3.0kVAC, EN 60 950
R_{isol} : Isolation Resistance	$V = 230\text{ VAC}, 50\text{ Hz}$	>100 MOhm
L_{leak} : Leakage Current	2 cm side, middle case	<0.05 mA
T_A : Operating Temperature		10 W: -20...+70°C 4 W: -25...+70°C
Derating		3%/K
T_S : Storage Temperature	$T_A = 50^\circ\text{C}$	-40...+85°C
Cooling		Convection
Weight (lbs/g)		10 Watt: 1.2 lbs (550 g) 4 Watt: 0.44 lbs (200 g)
Case Material/Potting		UL94-V0
Product Level		Level 3

Dimensions – mm (inches)

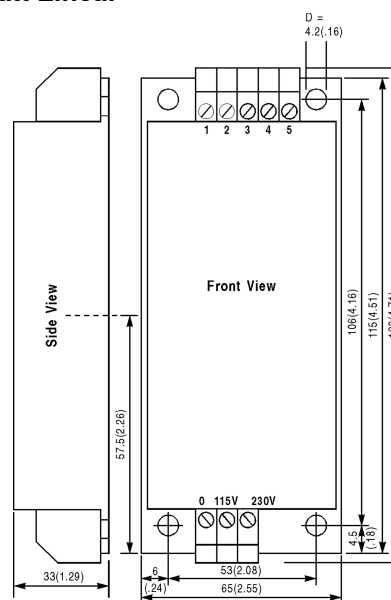
SCL 4 Watt Linear



Pin-Out

SCL 4	1	3	5	6	7
Dual	-12/15 V	COM 12/15 V	+12/15 V	IN	IN

SCL 10 Watt Linear



Pin-Out

SCL 10	1	2	3	4	5	6	7
Dual	-12/15 V		COM 12/15 V		12/15 V	IN	IN
Triple	-12/15 V	COM 5 V	COM 12/15 V	5 V	12/15 V	IN	IN