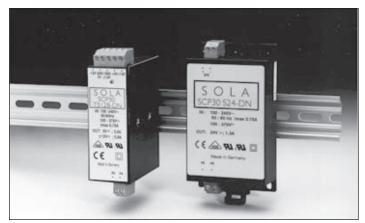
Power Supplies

SCP Series, 30 Watt; Single, Dual and Triple







These switchers are compact, rugged power supplies designed to power many of your industrial control and instrumentation devices and equipment, with high reliability and tight regulation through the most difficult factory-floor conditions around the globe. "User friendly" applies to these unique power supplies that feature easy-to-install DIN Rail and chassis mounting. Terminations are also easy to access (AC and DC terminations are well separated) and simple to wire. Safety is another aspect where the SCP distinguishes itself. The encapsulated design meets IP20 specifications, and the wide range of voltages will reliably support almost any low-power device in your cabinet or system for years to come.

Features

- · International approvals for global use
- · DIN Rail or Chassis Mount
- · Rugged, encapsulated design to resist environment
- · IP20 protection
- Many output voltages, 3.3-48 Volts; single, dual, triple
- 5-year warranty

Selection Table

	ı								1
Low Profile Catalog Number	Description	Output Voltages					Min	Effi-	
		V1		V2		V3		Load V1	ciency
		VDC	Α	VDC	Α	VDC	Α	A	%
30 Watts; Switching DC Power Supply									
SCP30S3.3-DN	3.3 V	3.3	6.0	-	-	-	-	0	≥ 62
SCP30S5-DN	5 V	5	6.0	-	-	-	-	0	≥ 70
SCP30S12-DN	12 V	12	2.5	-	-	-	-	0	≥ 75
SCP30S15-DN	15 V	15	2.0	-	-	-	-	0	≥ 75
SCP30S24-DN	24 V	24	1.3	-	-	-	-	0	≥ 77
SCP30S48-DN	48 V	48	0.6	-	-	-	-	0	≥ 77
SCP30D12-DN	Dual O/P +/- 12 V	12	1.2	-12	1.2	-	-	0.12	≥ 68
SCP30D15-DN	Dual O/P +/- 15 V	15	1.0	-15	1.0	-	-	0.15	≥ 68
SCP30D512-DN	Dual O/P 5 V & 12 V	5	3.0	12	1.2	-	-	0.3	≥ 68
SCP30D524-DN	Dual O/P 5 V & 24 V	5	3.0	24	0.6	-	-	0.3	≥ 68
SCP30T512-DN	Triple O/P 5/12/12 V	5	3.0	-12	0.6	12	0.6	0.3	≥ 68
SCP30T515-DN	Triple O/P 5/15/15 V	5	3.0	-15	0.5	15	0.5	0.3	≥ 68

Please order using the following model number suffixes:

-DN: Low Profile – DIN Rail or Chassis Mount (ie: SCP30S3.3-DN). **B-DN:** Slim Line – DIN Rail Mount Availability Only (ie: SCP30S3.3B-DN).

Note: Slim line version not available on SCP30D512-DN

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).

Options and Accessories

- SCP-MDC Pair of metal DIN clips
- SCP-PDC 1 plastic DIN clip with lever for removal from rail

Standards

- UL60950, E137632
- EN60950
- CE and IP20

Power Supplies



SCP Series

Specifications

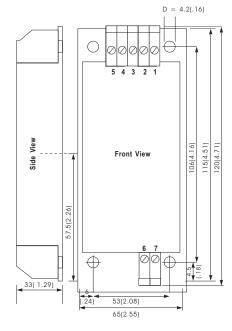
Parameter	Condition	Value		
Input				
V _{in} : AC Input Voltage		85264 VAC		
V _{in} : DC Input Voltage		100375 VDC		
f _{in} : Input Frequency		50/60 HZ		
Filtering EMI/RFI		EN 55011/B, 55022/B		
f _{sw} : Switching Frequency		Typ. 100 kHz		
Input Fusing Required		Use 2.0 A Slow Fuse		
Output				
ΔV _{out} : Output Voltage Accuracy	V _{in} = 230V, I _{out} = max, 25°C	V1≤ ±1%, V2/3 ≤ ±3%		
ΔV _{NF} : Ripple	V _{in} =min, I _{out} =max, 25°C	≤1%, V _{out}		
ΔV _{NF} : Noise	V _{in} =min, I _{out} =max, 25°C	≤2%, V _{out}		
Line Regulation	V _{in} =min/max 25°C I _{out} = max, 25°C	≤+0.5%, V _{out}		
Load Regulation	I _{out} = 109010%, 25°C V _{in} = 230VAC, 25°C	≤+0.5%, V _{out}		
I _{MAX} : Overcurrent Protection		105130% I _{nom}		
t _R : Load Regulation Timing	109010%, 25°C	<4 ms		
Temperature Coefficient	T _A = -25+65°C	0.01%/K		
Overload/Short Circuit	Continuous			
Derating Single/Dual/Triple	T _A >50°C	2/3/5%/K max		
General				
t _h : Holdup Time	V _{in} =230 VAC	>50 ms		
T _A : Operating Temperature		-25+65°C		
T _s : Storage Temperature	T _A = 25°C	-45+85°C		
Case Temperature Rise at Full Load		45 K max		
MTBF at 25°C (input/output)	acc. MIL-HDBK-217F	800,000 hrs		
Transient Protection		EN61000-4-2, 3, 4, 5		
Cooling		Convection		
Weight (lbs/g)		0.75 lbs (340g) 0.84 lbs (380g)		
Case Material/Potting		UL94-VO		
CSA Power Supply Class		Level 3		
Protection		IP20		
Visual Indicators		Green LED indicates DC OK for B-DN Slim Line versions only		

Dimensions (H x W x D)

- Low Profile "-DN"
 4.72 x 2.55 x 1.29 inches
 120 x 65 x 33 mm
 (Takes up 2.55 inches or 65 mm on DIN Rail)
- Slim Line "B-DN" 4.72 x 1.29 x 2.68 inches 120 x 33 x 68 mm (Takes up 1.29 inches or 33 mm on DIN Rail)

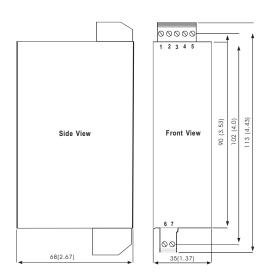
Dimensions - mm (inches)

Low Profile DIN Rail (-DN) or Chassis Mount*



^{*} Unscrew DIN connector for chassis mounting.

Slim Line DIN Rail Mount only (B-DN)



Pin-Out

SCP 30	1	2	3	4	5	6	7
Single				RETURN	+V1	IN	IN
Dual sym			-V2	COM	+V1	IN	IN
Dual asym		COM (V1)	+V1	COM V3	+V3	IN	IN
Triple	-V2	COM (V1)	COM (V2/3)	+V1	+V3	IN	IN