



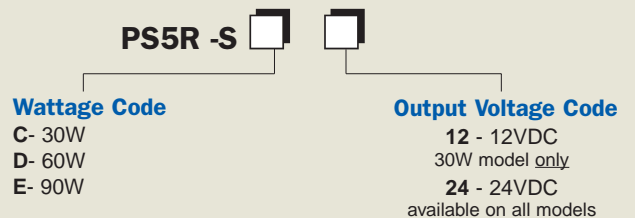
PS5R SLIM LINE

IDEC Slim Line Power Supplies

New in 2003! IDEC is proud to introduce three new power supplies with all the features, all the power, and only half the size of traditional power supplies. Save valuable DIN rail space with the 30W, 60W, or 90W models while still filling your power

needs. And with IDEC, you never have to sacrifice performance for size: PS5R-S models are UL508-listed, UL1604 for hazardous locations, and also Class 2 rated (except 90W). The incredibly slim footprints of the PS5R-S series make them ideal to fit your applications, your panels, and your budget.

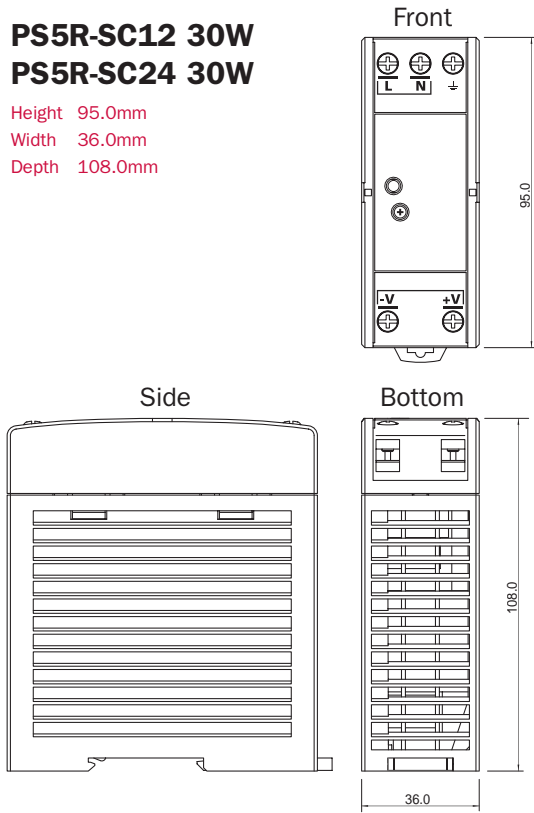
Part Number Guide



PS5R Slim Line Dimensions

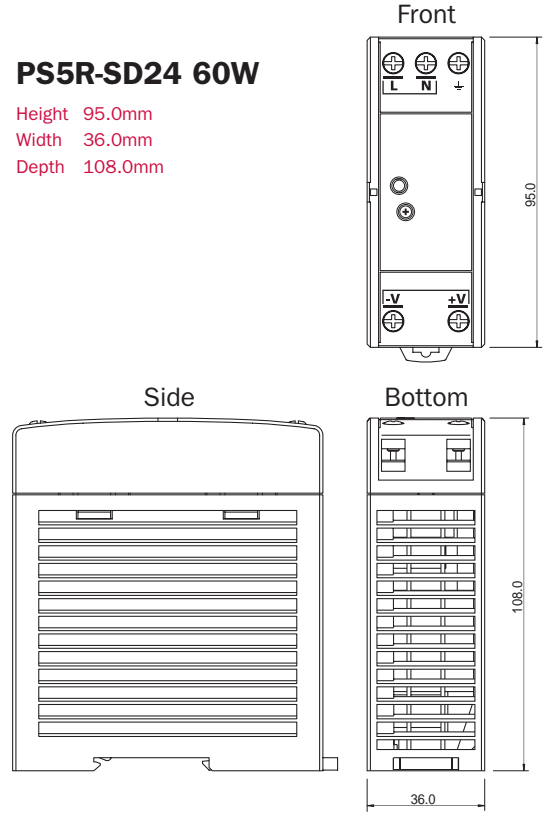
PS5R-SC12 30W PS5R-SC24 30W

Height 95.0mm
Width 36.0mm
Depth 108.0mm



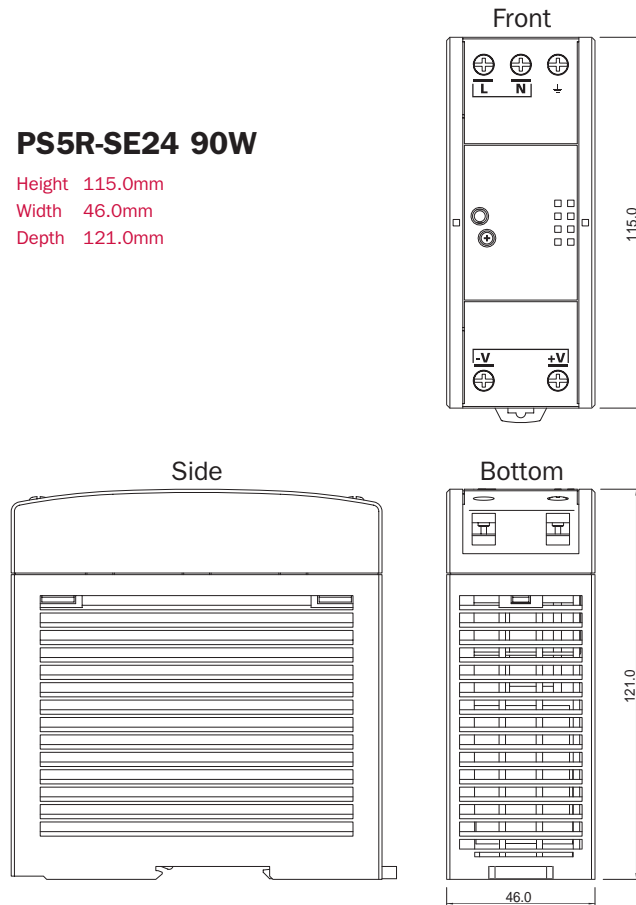
PS5R-SD24 60W

Height 95.0mm
Width 36.0mm
Depth 108.0mm



PS5R-SE24 90W

Height 115.0mm
Width 46.0mm
Depth 121.0mm



PS5R Slim Line Specifications



			
Wattage	30W	60W	90W
Type	PS5R-SC12 / PS5R-SC24	PS5R-SD24	PS5R-SE24

Input	Input Voltage (single phase, 2-wire)	85 to 264VAC, 100 to 370VDC			
	Input Current (typical)	100VAC	0.9A	1.7A	2.3A
		200VAC	0.6A	1.0A	1.4A
	Internal Fuse Rating		3.15A	3.15A	4A
	Inrush Current (cold start)	200VAC	50A max.		
	Leakage Current		0.75mA max.		
Typical Efficiency	12VDC	78%	—	—	
	24VDC	80%	83%	82%	

Output	Output Current Ratings at 12VDC	2.5A	—	—
	Output Current Ratings at 24VDC	1.3A	2.5A	3.75A
	Voltage Adjustment	±10% (V.ADJ control on front)		
	Output Holding Time	20ms min. (at rated input and output)		
	Rise Time	100ms max. (at rated input and output)		
	Line Regulation	0.4% max.		
	Load Regulation	1.5% max.		
	Temperature Regulation	0.05% degree C max.		
	Ripple Voltage	2% p-p max. including noise		
	Overcurrent Protection	105% or more, auto reset		103% to 110%, auto reset
Overvoltage Protection	120% min. SHUTDOWN			

Dielectric Strength	Between input and ground: 2000VAC, 1 minute *		
Insulation Resistance	Between input and output terminals: 100MΩ min.		
Operating Temperature	-10 to +60°C (14 to 140°F)		
Storage Temperature	-25 to +75°C (-13 to +167°F)		
Operating Humidity	20 to 90% relative humidity (no condensation, no freezing)		
Vibration Resistance	Frequency 10 to 55Hz, Amplitude 0.375mm		
Shock Resistance	300m/s ² 3 times each in 6 axes (150 m/s ² using mounting bracket)		
Approvals	EMC: EN61204-3 (EMI: Class B, EMS: Industrial), LVD: EN60950, EN50178 listed, UL 1604, UL1310 (PS5R-SC, -SD), c-UL (CSA 22.2 No. 14)		
Harmonic Directive (EN61000-3-2)	N/A	N/A	EN61000-3-2 A14 class A
Weight (Approx.)	250g	285g	440g
Terminal Screw	M3.5 slotted-Phillips head screw (screw terminal type)		
IP Protection	IP20 (finger-safe)		
Dimensions HxWxD (mm)	95 x 36 x 108	95 x 36 x 108	115 x 46 x 121
Dimensions HxWxD (inches)	3.74 x 1.42 x 4.25	3.74 x 1.42 x 4.25	4.53 x 1.81 x 4.76

* Between input and output: 3000VAC, 1 minute; Between output and ground: 500VAC, 1 minute