

Power supply module



SVLEC offers customers a cost-effective, energy-efficient green power supply with standard rail-mounted installation. Featuring a compact size, lightweight design, and standardized rail mounting (35mm), this power supply significantly saves space.

The product is safe and reliable, with excellent EMC performance. Its EMC and safety specifications comply with international standards IEC/EN/UL62368, UL61010, and UL508. Non-managed switches offer automatic detection of 100 or 1000 Mbps data transmission speeds, support coupling of network segments with different transmission speeds, enable self-crossing functionality, and feature POE support with IP67/IP20 protection ratings.

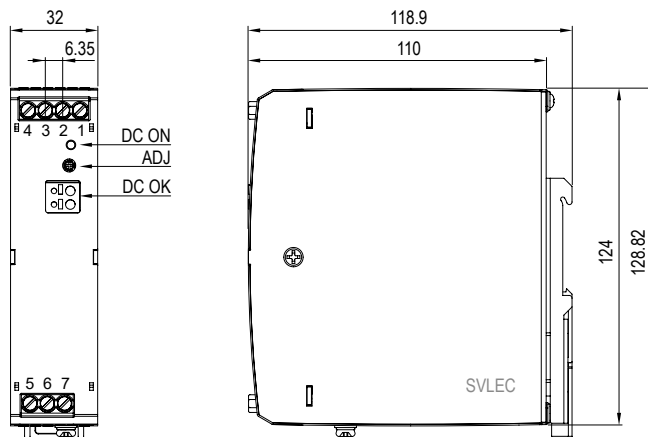


For product details, please follow our WeChat official account!
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POWER-SUPPLY MODULE

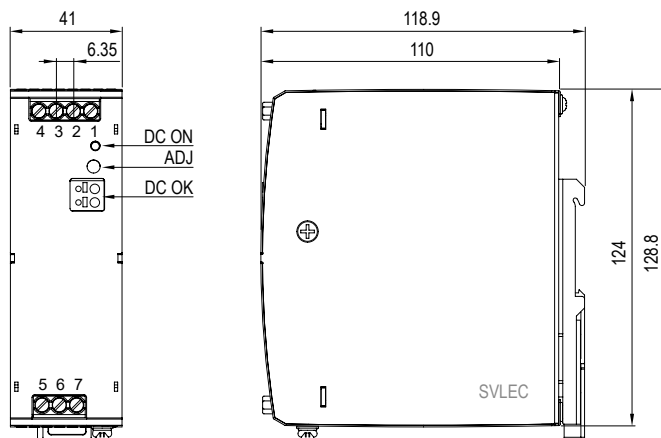
Dimension

PR-120-24 Dimension diagram



Pin configuration	
Pin	Function
1	-Vo
2	-Vo
3	+Vo
4	+Vo
5	AC(N)
6	AC(L)
7	⊕

PR-240-24 Dimension diagram



Unit of measurement: mm

DC ON: Output status indicator light

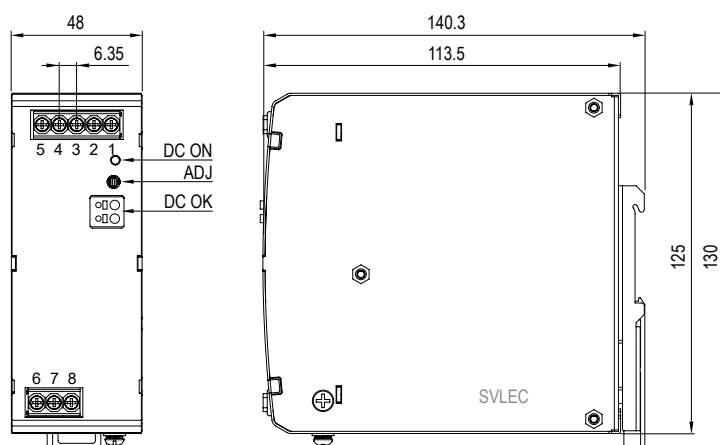
ADJ: Adjustable output resistor

Wiring range: 26-10 AWG

Tightening torque: Max. 0.4 N·m

Rail type: TS35, the rail needs to be grounded

PR-480-24/48 Dimension diagram



Pin configuration	
Pin	Function
1	-Vo
2	-Vo
3	-Vo
4	+Vo
5	+Vo
6	AC(N)
7	AC(L)
8	⊕

Unit of measurement: mm

DC ON: Output status indicator light

ADJ: Adjustable output resistor

Wiring range: 28-10 AWG

Tightening torque: Max. 0.4 N·m

Rail type: TS35, the rail needs to be grounded

POWER-SUPPLY MODULE

- Input voltage range: 85–264 VAC/120–373 VDC
- Dual AC/DC operation (voltage input from the same terminal)
- High efficiency, high reliability
- DCOK function
- Active PFC
- Power-on LED indicator light
- Output short-circuit, overcurrent, overvoltage, and overtemperature protection
- Complies with certification standards such as IEC/EN/UL62368, UL61010, and UL508.



Order Data

Model	PR-120-24	PR-240-24	PR-480-48	PR-480-24
Number of order	752405	752410	754810	752420
Technical data				
Output power (W)	120	240	480	
Rated output voltage and current (Vo/Io)	24V / 5A	24V / 10A	48V / 10A	24V / 20A
Adjustable output voltage range ADJ (V)	23.5-28.0	24.0-28.0	48.0-55.0	24.0-28.0
Efficiency: 230 VAC (%) (Typ.)	94			
Input voltage range	85-264 VAC			
Input voltage frequency	47-63 Hz			
Input current	0.75A / 230 V AC~1.5A / 115 V AC	1.5A/230 V AC~3A/115 V AC	2.5A/230 V AC~5A/115 V AC	
Output voltage accuracy: across the full load range	±1.0			
Linear regulation rate: rated load	±0.5			
Load adjustment rate: 0%~100% load	±1.0			
DCOK function	30V DC / 1A Max.			
Short-circuit protection: The recovery time after the short-circuit condition disappears is less than 10 seconds.	Constant-current hiccup mode provides long-term short-circuit protection with self-recovery capability. After the short-circuit condition resolves, the recovery time is less than 10 seconds.			
Working temperature	-40 ... 70°C			
Working humidity	20 ...95 %RH			
Safety standards	Complies with IEC / EN / UL62368 / UL61010 / UL508			
Safety Certification	EN62368 / UL61010 (certification in progress)			
Security classification	CLASS I			
MTBF: MIL-HDBK-217F@25° C	> 300,000h			
Sheathing material	Metals (AL1100, SPCC) and plastics (PC940)			
Cooling-down method	Natural air cooling			
Electromagnetic interference	Conduction interference	CISPR32 / EN55032 CLASS B		
	Radiation Disturbance	CISPR32 / EN55032 CLASS B		
	Harmonic current	IEC/EN61000-3-2 CLASS A		
Electromagnetic sensitivity	Electrostatic discharge	IEC/EN61000-4-2 Contact±6KV/Air±8KV		
	Radiation Immunity	IEC/EN61000-4-3 10V/m		
	Pulse cluster anti-jamming capability	IEC/EN61000-4-4 ±4KV		
	Rage Immunity	IEC/EN61000-4-5 Line to line±2KV/line to ground ±4KV		
	Conduction interference immunity	IEC/EN61000-4-6 10Vr.m.s		
	Resistance to voltage sags, drops, and brief interruptions	IEC/EN61000-4-11 0%, 70%		