

SEL-9322

15 Vdc Power Supply



Flexible and reliable power supply for low-voltage devices

- Provides +15 Vdc nominal output voltage for SEL security gateway, Real-Time Automation Controller (RTAC), and radio products.
- Support for ac or dc at two voltage input ranges allows the power supply to be used in a variety of applications for powering non-SEL devices.
- Mounts easily to any flat surface or DIN rail mount for flexible installation.
- Meets IEEE and IEC standards for electronic equipment deployed in electric power substations.



Overview

The SEL-9322 15 Vdc Power Supply is an ac-to-dc or dc-to-dc converter designed for harsh physical and electrical environments, including those found in electric utility substations. The SEL-9322 provides a nominal 15 Vdc at up to 1 A to power communications or instrumentation devices. The low-voltage output can be derived from higher-voltage dc battery sources or from higher-voltage ac sources. The range of options covers electric, gas, and water utility applications as well as telecommunications, industrial plant, and remote telemetry battery backup applications.

Applications

SEL Radio Power Supply

Power the SEL-3031 Serial Radio Transceiver and the SEL-3060 Ethernet Radio to support electric utility distribution automation, distributed generation, SCADA, and faster protection applications.

SEL-3505 Power Supply

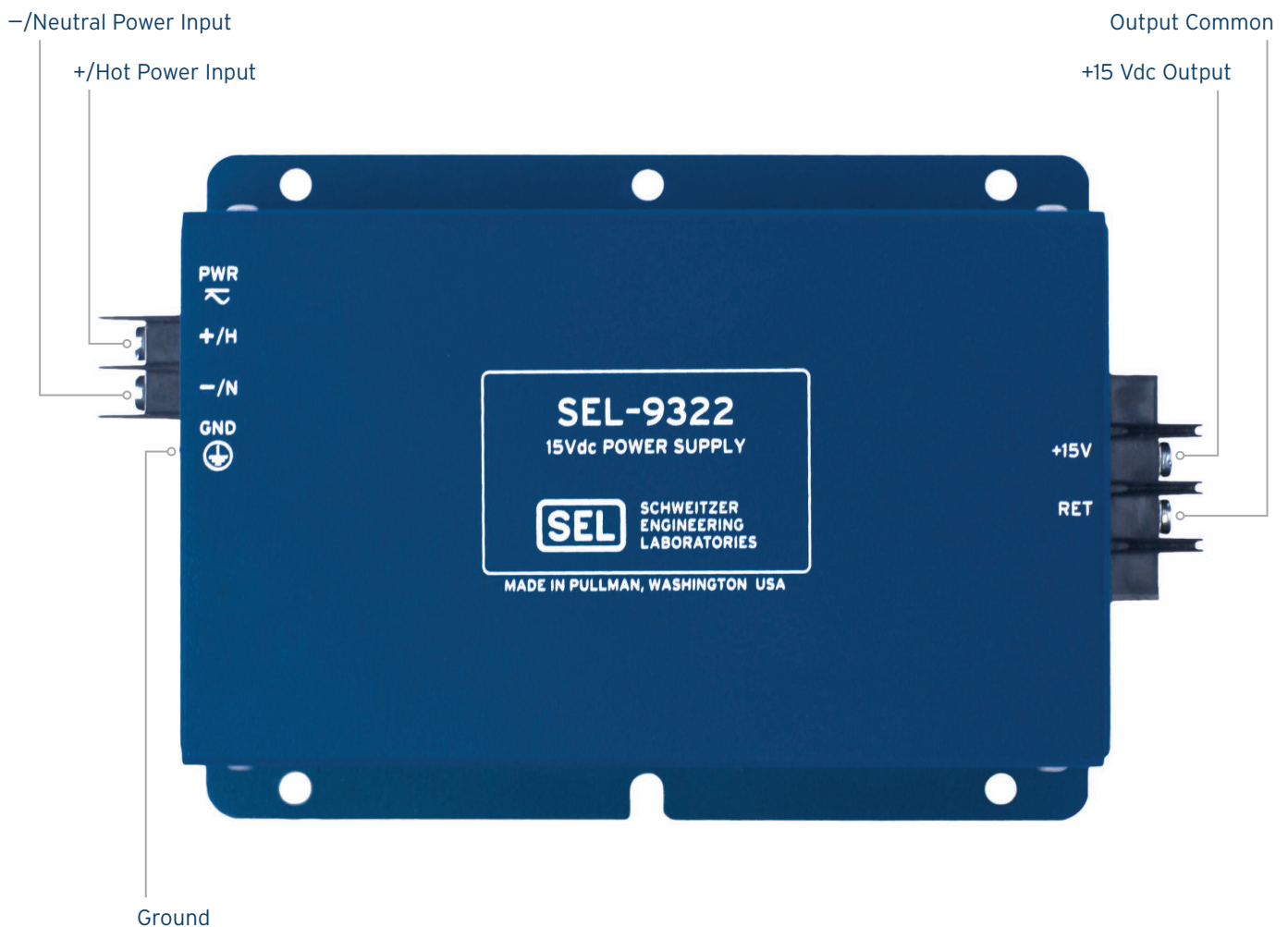
Power SEL-3505 RTACs to support remote-site automation.

SEL-3622 Power Supply

Power the SEL-3622 Security Gateway to secure equipment at remote sites.

Industrial Equipment Power Supply

Provide power to equipment in unconditioned industrial locations. The SEL-9322 performs in harsh environments and meets strict quality standards.

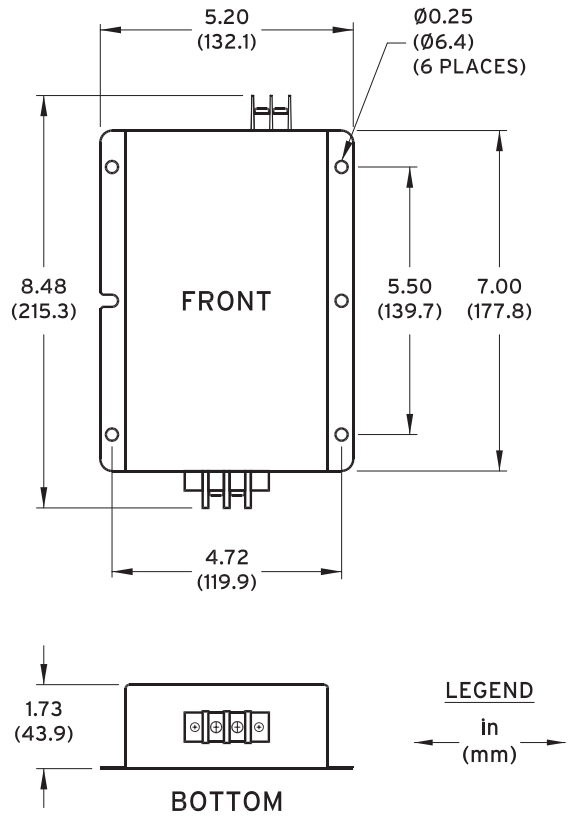


Type Tests

These type tests assume that the maximum length of the output cable is 3 m (10 ft).

Electrostatic Discharge Immunity	IEC 60255-22-2:2008 IEC 61000-4-2:2008 IEEE C37.90.3:2001
Fast Transient/Burst Immunity	IEC 60255-22-4:2008 IEC 61000-4-4:2004
Radiated Radio Frequency Immunity	IEC 60255-22-3:2007 IEC 61000-4-3:2008 IEEE C37.90.2:2004
Conducted Radio Frequency Immunity	IEC 61000-4-6:2008 IEC 60255-22-6:2001
Electromagnetic Emissions	IEC 60255-25:2000 FCC CFR 47 Part 15, Class A
Surge Immunity	IEC 60255-26:2013 Clause 7.2.7, Zone B
Surge Withstand	IEC 60255-22-1:2008 IEEE C37.90.1:2002
Dielectric Strength	IEC 60255-5:2000 IEEE C37.90:2005
Impulse	IEC 60255-5:2000
Cold	IEC 60068-2-1:2007
Dry Heat	IEC 60068-2-2:2007
Damp Heat, Cyclic	IEC 60068-2-30:2005

Mounting and Physical Dimensions



Technical Specifications

Output	+15 Vdc	14.25–15.75 V, up to 1.0 A
	15 W	
	Connections	
	Tightening Torque	1.01 Nm (9 in-lb)
	Wire Size	12–24 AWG
	Wire Type	Copper, 60°/75°C, solid or stranded
Input	48/125 Vdc or 125 Vac	
	Range	38–140 Vdc, 85–140 Vac (47–63 Hz)
	Burden	<20 W
	125/250 Vdc or Vac	
	Range	85–300 Vdc, 85–264 Vac (47–63 Hz)
	Burden	<20 W
	Connections	
	Tightening Torque	1.01 Nm (9 in-lb)
	Wire Size	12–18 AWG
	Wire Type	Copper, 60°/75°C, solid or stranded with ring terminals
Environmental	Operating Temperature	
	–40° to +85°C (–40° to +185°F)	
	Maximum continuous ambient temperature per UL 508: +40°C	
	Humidity	
	5 to 95% noncondensing	
	Maximum Altitude	
	2000 m (6562 ft)	
	Atmospheric Pressure	
	80–110 kPa	
Safety and EMC	Safety	CE Mark
	EMC	FCC Part 15 Class A
Operating Environment	Pollution Degree 2	
	Overvoltage Category II	
Certifications	ISO: Product is designed and manufactured to an ISO 9001:2008 certified quality program.	
	UL Listed: NMTR per UL 508	

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