The G128-809A Power Supply provides a regulated 24VDC output from an AC or DC input supply. The G128-809A is suitable for powering devices with a combined continuous current of up to 2.9A at 40°C. The Power Supply uses a high reliability and efficient switching regulator design and is housed in a compact DIN rail mounting enclosure.

**FEATURES**

- Wide range AC or DC input
- Regulated +24VDC low ripple output
- Idle proof and short circuit protected
- 4kV isolation from input supply
- High efficiency, >80%
- High reliability, 500,000 hour MTBF
- Parallel connectable for redundant operation
- Compact DIN housing
- CE marked
**SPECIFICATIONS**

- **Nominal supply**: 100 to 240VAC, 45 to 65Hz. 90 to 350VDC.
- **Supply range**: 85 to 264VAC.
- **Inrush current**: < 35A for < 3mS @ 25°C.
- **Internal input fuse**: 2.5A.
- **Optional external input circuit breaker**: 10A “B”.
- **Isolation**: 4kV.
- **Mains buffering**: > 20mS @ 120VAC. > 100mS @ 230VAC.
- **Output – voltage – current**: 24VDC fixed –0% / +3%. 2.9A max. @ Tamb ≤ 40°C. 2A max. @ Tamb ≤ 60°C.
- **Startup delay**: < 100mS.
- **Ripple**: 100mV p-p typical at nominal load.
- **Load regulation**: < 1% static for 10% to 90% load change. < 3% dynamic for 10% to 90% load change.
- **Maximum power loss**: 10W at nominal load.
- **Front panel indicator**: Vs: Green power LED.
- **Mounting**: DIN rail.
- **Protection type**: IP 20.
- **Temperature**: –25 to +60°C (see output current spec.).
- **Dimensions**: 100W x 108H x 45D.
- **Weight**: 250g.
- **Approvals**: CE mark: EN50081.2 emission. EN61000-6-2 immunity.

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**BLOCK WIRING DIAGRAM**

![Block Wiring Diagram](image)

Note 1: Connect cable screen to enclosure cable gland or chassis ground.

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DIN Power Supply
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