

G128-809A

POWER SUPPLY

DESCRIPTION

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.

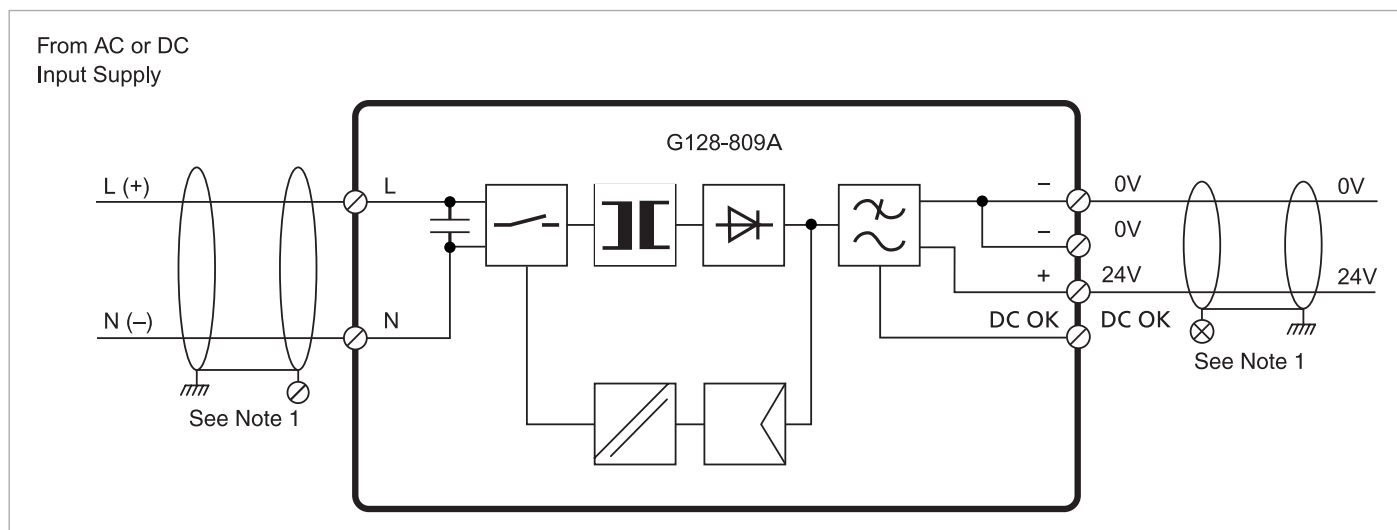
The Power Supply uses a high reliability and efficient switching regulator design and is housed in a compact DIN rail mounting enclosure.

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



BLOCK WIRING DIAGRAM



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

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. @ $T_{amb} \leq 40^{\circ}\text{C}$ 2A max. @ $T_{amb} \leq 60^{\circ}\text{C}$
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
CE mark	2011/65/EU RoHS 2014/30/EU EMC EN61000-6-2 : 2005 immunity EN61000-6-3 : 2007 emission

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DIN Power Supply
Moog Aust/PDF/0418

ORDERING INFORMATION

Power Supply G128-809A
Delivery includes Power Supply and
a 4 page application note.

This technical data is based on current available information and is subject to change at any time by Moog. Specifications for specific systems or applications may vary.

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