

## Power supplies

Model number  
**PS459024A**

### 5.0 amp 24 VDC power supply

The latest in DIN rail switch mode power supplies. This compact general purpose 24 VDC power supply has active filtering of input transients, extra low inrush current, and full output power up to +60°C.

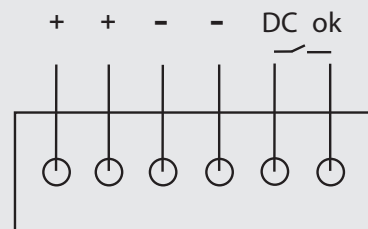
#### Features

- UL Class I, Division 2 approved
- LED status indications
- DC output ok (dry contact)
- Spring clamp terminals



Specifications	
Output voltage	24-28 VDC (externally adjustable)
Output current	5.0 amps
Output ripple	50mVpp (max)
Input voltage	Universal 100 - 240VAC (50-60Hz)
Input current	1.4A / 0.65A (100VAC / 240VAC)
Power factor	0.99 / 0.91 (100VAC / 240VAC)
Efficiency	91.6% / 92.7% (100VAC / 240VAC)
Over voltage protection	36 VDC (max)
Overload protection	Yes
Over temperature protection	Yes
Holdup time	34ms
Area approvals	Class I, Division 2; T4; groups A,B,C,D
Displays	Power ok, green LED Overload, red LED
Operating temperature	-25°C to +70°C (+14°F to +140° F)
Storage temperature	-40°C to +85°C (-40°F to +185° F)
Housing	Al/Mg alloy DIN rail mounting
Dimensions (L, W, H)	124mm, 40mm, 117mm
Ingress protection	IP20, field enclosure required
Approvals	UL508, UL1950, cULus, CE
Weight	620g (1.4 pounds)

### Schematic drawings



output voltage  
24 VDC

input line voltage

