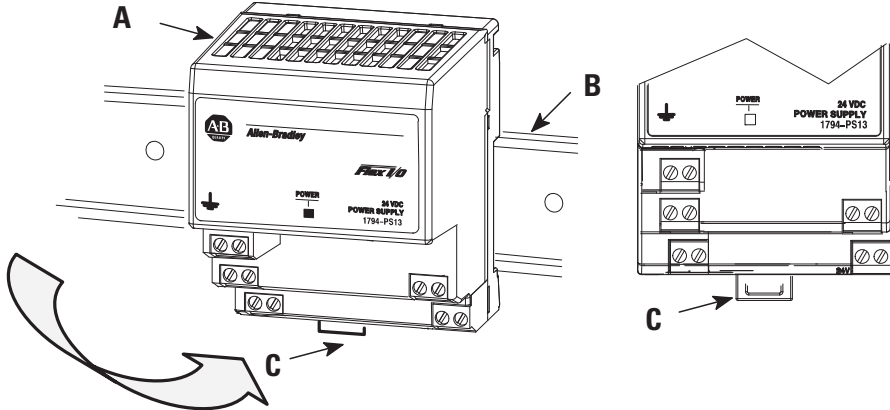


Component Identification (Continued)

	Description		Description
2	Indicator	6	120/230V AC common L2/N connections
3	24V DC common connections	7	150/230V AC ground
4	+24V DC connections		

Install Your Power Supply Module

1794-PS13 shown



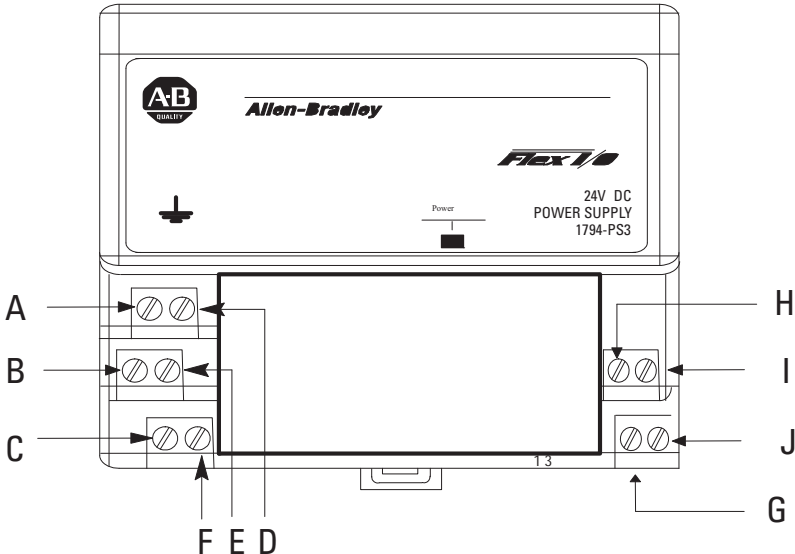
ATTENTION: During mounting of all devices, be sure that all debris (metal chips, wire strands, etc.) is kept from falling into the module. Debris that falls into the module could cause damage on power up.

1. Hook the lip on the rear of the power supply module onto the top of the DIN rail, and rotate the power supply module onto the rail.
2. Press the power supply module down onto the DIN rail until flush. Locking tab C snaps into position and lock the power supply module to the DIN rail.
3. If the power supply module does not lock in place, use a screwdriver or similar device to move the locking tab down while pressing the power supply module flush onto the DIN rail. Release the locking tab to lock the power supply module in place. If necessary, push up on the locking tab to lock.
4. Connect the power supply wiring as shown in [Connect Wiring for your Power Supply Module](#) below.

Note: For panel/wall mounting, see publication [1794-TD013](#), Panel Mounting Kit, catalog number 1794-NM1.

Connect Wiring for your Power Supply Module

1794-PS3 shown



Terminals A, B, and C are 120/230V AC supply terminals. Terminals D, E, and F are available to daisy chain this 120/230V AC power to other 1794-PS power supply modules. If applying 120/230V AC power to the power supply, you can also power the corresponding 120/230V AC modules in your FLEX I/O system.

Specifications

General Specifications

Attribute	1794-PS13, 1794-PS13K	1794-PS3, 1794-PS3K
Dimensions, approx. H x W x D	87 x 69 x 69 mm (3.4 x 2.7 x 2.7 in.)	87 x 94 x 69 mm (3.4 x 3.7 x 2.7 in.)
Enclosure type rating	None (open-style)	
Wire Size	0.34...2.5 mm ² (22...12 AWG) solid or stranded copper wire rated at 75 °C (167 °F), or greater, 1.2 mm (3/64 in.) insulation max	
Wiring category ⁽¹⁾	2 - on power ports	
North American temp code	T3C	T3
Terminal screw torque	0.8 N•m (7 lb•in.)	

(1) Use this conductor category information for planning conductor routing as described in Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#).

Input Specifications - 1794-PS13, 1794-PS13K, 1794-PS3, 1794-PS3K

Attribute	1794-PS13, 1794-PS13K	1794-PS3, 1794-PS3K
Nominal supply voltage	120V AC, 50/60 Hz; 0.62 A max 230V AC, 50/60 Hz; 0.42 A max	120V AC, 50/60 Hz; 1.7 A max 230V AC, 50/60 Hz; 1.1 A max
Voltage range	85...265V AC	
Frequency range	47...63 Hz	
Input current, max	0.7 A	1.9 A
Inrush current	40 A typical, 1 AC cycle @ V _{in} , 265V AC, 55 °C	
Interruption	Output stays within specification when input drops out for 1/2 cycle @ 47 Hz, 85V AC with max load	

Output Specifications - 1794-PS13, 1794-PS13K, 1794-PS3, 1794-PS3K

Attribute	1794-PS13, 1794-PS13K	1794-PS3, 1794-PS3K
Nominal output	+24V DC	
Voltage range	20.4...27.6V DC (includes noise and 5% AC ripple)	
Output current, max	1.3 A	3 A (horizontal mounting) 2.8 A all other mountings (see Derating Curve for 1794-PS3 and 1794-PS3K)
Output power	31.2 W	72 W
Output ripple, max	1200 mV peak-to-peak	
Minimum load	0 mA	50 mA
Output surge	Sufficient to drive 4 adapters	Sufficient to drive 10 adapters
Overvoltage protection	Output internally limited to 35V DC. Cycle power to re-energize.	
Leakage Current, max	0.5 mA rms @ rated input and output	
Isolation voltage	Tested @ 2500V DC for 1 s	
Overcurrent protection, min	1.4 A	3.2 A
Thermal dissipation	23.9 BTU/hr	41.0 BTU/hr
Power dissipation, max	7 W	12 W