

Product Details and Certifications

Cross Reference RA Part Number: 1734-EP24DC B

 **Product: 1734-EP24DC**

Description: 24V DC Power/Bus Extension Module



Representative Photo Only (actual product may vary based on configuration sections)

POWER SUPPLIES

Bulletin Number	1734 Power Supply
Power Requirements, Max	400 mA @ 24V DC (+20% = 28.8V DC max)
Inrush Current, Max	6 A for 10 ms
Power Supply Input Voltage, Nom	24V DC
Operating Voltage Range	10...28.8V DC
Power Consumption, Max	9.8 W @ 28.8V DC
Power Dissipation, Max	3.0 W @ 28.8V DC
Thermal Dissipation, Max	10.0 BTU/hr @ 28.8V DC
Power Supply Voltage Range	10...28.8V DC
Power Supply Current, Max	10 A

power units to provide more POINTBus current for modules to the right of the supply.

- 24...5V DC converter (1734-EP24DC)
120/240V AC to 5V DC converter (1734-EPAC)
- 1.3 A, 5V DC output (extend backplane power)
- Starts new voltage distribution
- Partitioning
- Dark-gray color for easy visual inspection and identification

You can use the 1734-EP24DC or 1734-EPAC expansion power supply only with POINT I/O adapters. Do not use it with the 1734-PDN or 1734D series communication interfaces.

1734 Expansion Power Supplies Technical Specifications

	1734-EP24DC	1734-EPAC
Field side power requirements, max	400 mA @ 24V DC (+20% = 28.8V DC max)	200 mA @ 120V AC, 100 mA @ 240V AC
Inrush current, max	6 A for 10 ms	2 A for 6 ms
POINTBus output current rating	Horizontal mounting: 1 A @ 5V DC for 10...19.2V input 1.3 A @ 5V DC for 19.2...28.8V input Vertical mounting: 1 A @ 5V DC for 10...28.8V input	Horizontal DIN rail mounting: 1.3 A @ 5.2V DC Vertical DIN rail mounting: 1.0 A @ 5.2V DC
Overvoltage protection, inputs	Reverse polarity protected	MOV and fuse protected
PowerSupply interruption protection	Output voltage will stay within specifications when input drops out for 10 ms @ 10V with max load	Output voltage will stay within specifications when input drops out for 10 ms @ 85V with max load
Power supply input voltage, nom	24V DC	120/240V AC
Operating voltage range	10...28.8V DC	85...264V AC
Power consumption, max	9.8 W @ 28.8V DC	15.1 W @ 264V AC
Power dissipation, max	3.0 W @ 28.8V DC	8.4 W @ 264V AC
Thermal dissipation, max	10.0 BTU/hr @ 28.8V DC	28.7 BTU/hr @ 264V AC
Isolation voltage	50V (continuous), Basic Insulation Type Type tested at 2600V DC for 60 s, User power to system, User power to Chassis ground, system to Chassis ground	264V (continuous), Reinforced Insulation Type Type tested @ 3250V DC for 60 s, User power to system
Field power supply voltage range	10...28.8V DC	120...240V AC
Field power supply current, max	10 A	10 A