

POWER SUPPLY FOR ENCODERS AND CONTROLLERS



The small footprint (only 61mm deep) of this DIN Rail (EN 50 022, 35mm X 7.5mm) mountable power supply makes it easy to fit into small enclosures. With a wide range of acceptable input voltages, both AC and DC, it's usable in virtually all industrial applications worldwide. The 5V supply is adjustable over a 4-6.5V range for added capability. Transient surge protection is built-in to reduce faults caused by ESD, power-up transients or phase errors. It also has 100% reserve capacity for startup or overload conditions.

This product carries international approval including UL 60950 for IT equipment and UL 508 for industrial control equipment enabling the device to be used globally. It is also CE rated and conforms to EMC directive 2004/108/EC and low voltage directive 2006/95/EC



SPECIFICATIONS

Description	Value
INPUT	
Voltage range	85 – 264 V AC 95– 250 V DC
Frequency (AC)	45 – 65 Hz
Switch on time	< 1 s
Transient surge protection	Varistor
Mains buffering	>25 ms (120 V AC) >140 ms (230 V AC)
Internal fuse	3.15 Amps to protect power supply
OUTPUT	
Output Voltage	4-6.5 VDC Adjustable (5V supply) 24 VDC Fixed (24V)
Voltage tolerance	± 1 %
Nominal output current	6.5 Amps (5 volt supply) 1.75 Amps (24 volt supply)
Maximum output current (<20 sec)	11.5 Amps (5 volt supply), 3.75 Amps (24 volt supply)
Efficiency	> 70% (5 volt supply), > 80% (24 volt supply)
Ripple	<41 mV _{pp}
ENVIRONMENTAL	
Operating temperature	-25 to +70°C (>55°C Derate)
Storage temperature	-40 to +85 °C

ORDERING INFORMATION

Output voltage	Current	BEI Part Number
5 Volts	6.5 Amps	60008-003
24 Volts	1.75 Amps	60008-004