



480 Watt DIN Rail Power Supply

DIN Rail Power Supply

480 Watts

24, 36, 48 VDC options

KEY FEATURES

- 100 – 240 VAC Wide Range Input
- High Efficiency (85-88%)
- Parallel Operation (Scalability, Redundancy)
- Input Filter & Active Power Factor Correction meets EN61000-3-2
- UL508, UL60950 and CE Certification
- EMI meets FCC15 B, EN55022 B, CISPR22 B
- Industrial Design and Construction; Compact Size with Rugged Metal Case
- Visual Indicator LED for " DC OK "
- Overload and Short Circuit Protection
- Overheat Protection
- MTBF>200,000 hrs
- 2 Year Warranty

DESCRIPTION

These DIN power supplies are available in several DC output voltages. The output is a highly stabilized and regulated DC voltage for a wide range of industrial and critical system applications. The design utilizes the latest AC-DC switching mode technology resulting in a compact size and high efficiency.

The enclosure is a rugged metal case with a DIN Rail connection for reliable and easy installation. Output connections are IP20 rated screw terminals for safe operation. An "active" output signal terminal is available for remotely monitoring the unit operating status.

MODEL SELECTION GUIDE

Model	Power	Voltage	Adjust Range	Current
FSA480-11	180 Watts	24 VDC	10 – 16 VDC	20 Amps
FSA480-12	240 Watts	36 VDC	22 – 28 VDC	13.3 Amps
FSA480-13	240 Watts	48 VDC	46 – 52 VDC	10 Amps

SPECIFICATIONS

NOTE: Products are rated for industrial environments and are not to be used nor are warranted in aerospace, medical or lifesafety applications.

ELECTRICAL

Input Voltage Range	85 - 264 VAC	Damage Protection - Overvoltage - Overcurrent - Short Circuit	Continuous Protection, Automatic Recovery
Input Frequency	40 - 60 +/- 6% Hz	Reverse Volt Protection	<16 v to <63 v (1)
Input Current (1)	6.3 Amp / 110 VAC 2.6 Amp / 220 VAC	Internal Fuse Protection	Yes
Inrush Current	< 30 Amp (typ)	Active Power Factor Correction	> .95 meets EN61000-3-2
Efficiency (1)	85 – 88% typ	Operating Temperature	-10 to +70 C. At 60 to 70 C, output derates to half load.
Ripple & Noise	< 100 mV	Storage Temperature	-25 to 85 C
Output Peak Current	125% of rated max.	Relative Humidity	5% to 90% RH, non-condensing
Load / Voltage Regulation	< +/- 2%	Vibration and Shock	IEC68-2-6 and IEC68-2-27
Start-up / Hold-up Time	500 msec / 20 msec	EMI Standards	EN55022, FCC15, EN55024
Transient Overshoot	< 500mV 50%-100% load change, @ 0.2A / usec	Safety Standards	UL508, UL60950, IEC60950 (TUV), CE

(1) Depends upon specific model selection and upon 120 or 240 VAC operation.

INPUT PINS

L	AC mains (Line)
N	AC mains (Neutral)
G	Safety Ground

OUTPUT PINS

+	DC Positive (2 pins)
—	DC Negative (2 pins)
DC-OK	Output signal (40 ma to DC neg.)

MECHANICAL

Model	W (width)	L (length)	H (height)	Weight	Connectors
FSA480	6.14" (156mm)	4.95" (126mm)	5.13" (130mm)	4.73lbs (2250g)	AWG-20-6

Reliability Power Locations	
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