



SWITCH-MODE POWER SUPPLY (Single or Dual)

BPS7820

- ◆ 11-pin box for DIN-rail mounting
- ◆ 4 kV isolation
- ◆ Output power up to 5.5 W
- ◆ 90...250 VAC/DC SMPS
- ◆ 1 or 2 independent stabilized output voltages

DESCRIPTION

The BASI model BPS7820 general power supply for smaller measurement systems requiring fixed stabilized 24VDC, or supply for any other sensors, transmitters or systems that demand 2 stabilised voltages, or as 2 separate supplies as required.

SPECIFICATIONS GENERAL

Construction : Plug-in to standard 11-pole relay socket
Wiring : Screw terminals on base socket
Housing material : "Noryl" grey
Isolation : 4000V (4kV)

INPUT

Voltage : 90 to 250VAC/DC
Frequency : 47...440 Hz
Turn-on voltage : ≥ 85 VAC
Efficiency : 76%, typical

OUTPUT

DC voltage 1 or 2 : 5, 12, 15, 24VDC or custom
Rated current : ≤ 0.23 A
Rated power : ≤ 5.5 W
AC voltage ripple : > 240 mV
Isolation voltage : 4.0 kV
Isolation resistance : 100 M Ω at 500 V

PROTECTION

Front-panel fuse : 0.1 A
Over voltage : 30 V \pm 8%
Over load : 105%

INSTALLATION

Supply : 90 to 250VAC/DC
Ambient temp : -20 to 70°C
Humidity : 0-85% RH
Configuration : Factory set
Protection class : IP44/IP20
Dimension : 35 x 78 x 91mm
Weight : 200g



PERFORMANCE

Voltage tolerance : $\pm 1.0\%$
Line regulation : $< \pm 0.5\%$
Load regulation : $< \pm 0.5\%$
Temperature drift : $< 0.03\%$ for 1 °C
Isolation voltage : 4.0 kV



ORDER INFORMATION

BPS7820
VOLTAGE **OUTPUT**
Z Specify 1 1 output
24 24VDC 2 2 outputs

(2) Output voltages must be identical.



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