

# PSW-24-1 Power Supply



## Datasheet

24 V DC, 1.0A Class 2 Power Supply



- Accepts universal AC input voltage (100 V AC to 240 V AC, 50/60 Hz); provides 24 V DC output
- Provides reliable power for lighting systems or other products that operate at 24 V DC
- Outputs to an integral M12 connector
- Includes Type A, C, G and I AC Detachable Input Plugs



### CAUTION:

- Do not use in wet areas or in the presence of excessive airborne contamination.
- Risk of electric shock. Do not open, disassemble, or modify this device.
- Only to be used with industrial products, accepts universal AC input (100 V AC to 240 V AC, 50/60 Hz); provides 24 V DC output



### WARNING:

- **Do not use this device for personnel protection**
- Using this device for personnel protection could result in serious injury or death.
- This device does not include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A device failure or malfunction can cause either an energized (on) or de-energized (off) output condition.

## Specifications

### Input Voltage

100 V AC to 240 V AC

### Input Frequency

50 Hz to 60 Hz

### Output

Voltage: 24 V DC  $\pm$  5%  
Current: 1.0 Amp  
Power: 24 W max.

### Output Protection Circuitry

Protected against output short-circuit

### Output Ripple/Noise

< 1%

### Holdup Time

20 ms minimum full load,  $V_{in}$  115 V AC

### Connections

Includes Type A (US, Canada, Japan, Puerto Rico, Taiwan), Type C (Germany, France, South Korea, Netherlands, Poland, Spain, Turkey), Type G (United Kingdom, Ireland, Singapore, Vietnam), and Type I (China, Australia, New Zealand) AC detachable input plugs

### Efficiency

85% typ. full load,  $V_{in}$  115 V AC

### Operating Temperature

-10 °C to +40 °C (+14 °F to +104 °F)

### Storage Temperature

-20 °C to +85 °C (-4 °F to +185 °F)

### Environmental Rating

IP20

### Emission Standards

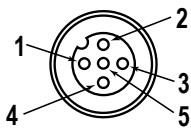
FCC Class B  
CISPR22 Class B  
VCCI Class B

### Safety Standards

UL1310 Class 2

## 5-pin M12 Female Connector

Two meter (6.5 ft) cable with a 5-pin M12 female connector.

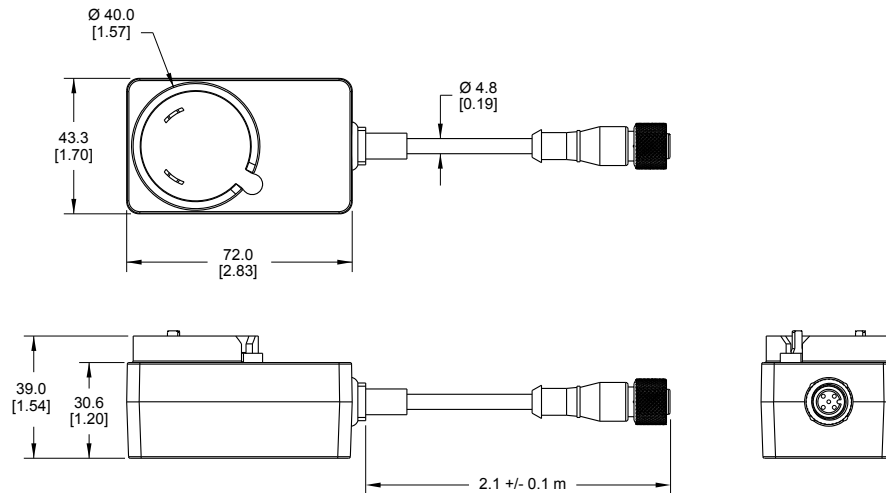


1. V+
2. NC
3. V-
4. NC
5. NC



## Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise.



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For patent information, see [www.bannerengineering.com/patents](http://www.bannerengineering.com/patents).

## FCC Part 15 and CAN ICES-3 (B)/NMB-3(B)

This device complies with part 15 of the FCC Rules and CAN ICES-3 (B)/NMB-3(B). Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules and CAN ICES-3 (B)/NMB-3(B). These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the manufacturer.

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