

# General Specifications

## FPSU Power Supply Unit

**JUXTA**

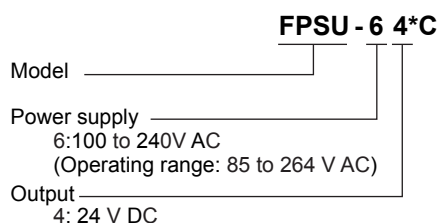
### GS 77J50P01-01E

#### ■ General

This FPSU is a power supply unit that is available in cases where the JUXTA signal conditioner of 24 V DC power supply is used in AC power source.

- CSA compliant
- Even if one FPSU fails, the parallel connection enables the backup operation by another FPSU.

#### ■ Model and Suffix Codes



#### ■ Ordering Information

Specify the following when ordering.

- Model and suffix codes :e.g. FPSU-64\*C

#### ■ Input/Output Specifications

Power Supply Rated Voltage: 100 to 240 V AC ~ 50/60 Hz

Input voltage range: 100 to 240 V AC ~ (-15%, +10%)  
(operating range 85 to 264 V AC)

Frequency range: 50/60 Hz  
(operating range 47 to 63 Hz)

Current: 1.6 A max.

Rush current: 20 A AC (7ms) max. at cold start

Output rated voltage: 24 V DC  $\pm 10\%$

Output rated current: 1.7 A

Input and load change: 24 V DC  $\pm 10\%$

Over-current protection: 110% min.

Over-voltage protection: 33 V DC max.

#### ■ Isolation

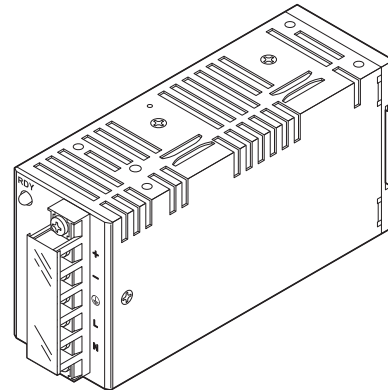
Insulation resistance:

100M $\Omega$  or more at 500 V DC between input and output, output and case, and input and case

Withstand voltage:

1500 V AC/min. between input and (output and case)

500 V AC/min. between output and case



#### ■ Safety Standard

CSA

CSA C22.2 No. 61010-1, installation category II <sup>1</sup>,  
pollution degree 2 <sup>2</sup>

- 1 Installation category (over-voltage category) II:  
Describes a number which defines a transient over-voltage condition. Implies the regulation for impulse withstand voltage.  
“II” applies to electrical equipment which is supplied from the fixed installation like a distribution board.
- 2 Pollution degree 2: Describes the degree to which a solid, liquid, or gas which deteriorates dielectric strength or surface resistivity is adhering.  
“2” applies to normal indoor atmosphere.  
Normally, only non-conductive pollution occurs.

#### ■ Environmental conditions

Operating temperature range: 0 to 50°C

Operating humidity range:

5 to 90%RH (no condensation)

Operating conditions: Avoid installation in areas with corrosive gases, dust, direct sunlight, altitude of more than 2000m above sea level.

#### ■ Mounting and Dimensions

Material: Aluminium and ABS resin (Case body)

Mounting method: Rack, Wall, or DIN rail mounting

Connection method: M4 screw terminals

External dimensions: 72(H) × 48(W) × 160(D)mm  
(Including terminals)

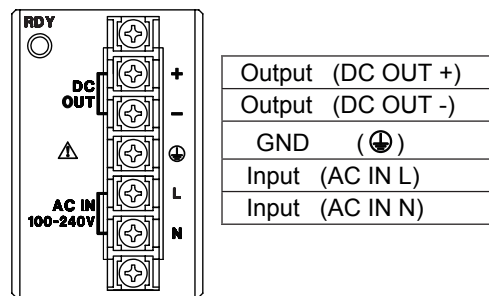
Weight: Approx. 420 g

#### ■ Standard Accessories

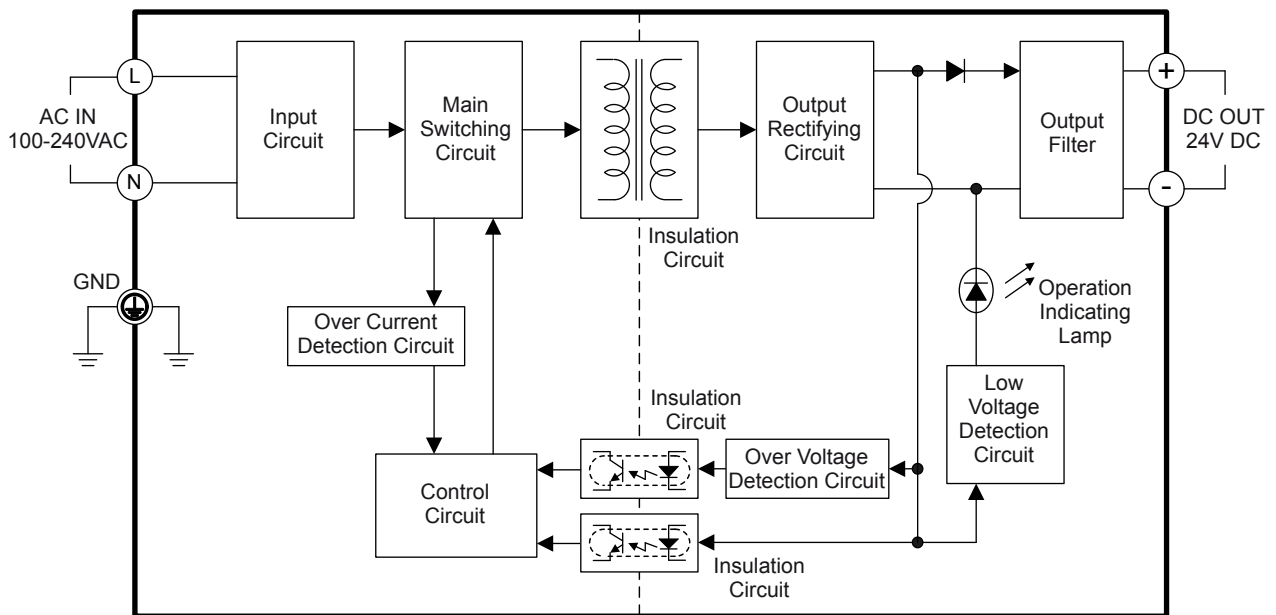
Mounting bracket: 2

Mounting screw: M3 × 4, M4 × 4

## ■ Terminal Assignments



## ■ Block Diagram



## ■ External Dimensions

Unit: mm

