GE IC695PSD040 Manual

Brand	GE
Product Series	RX3i PacSystem
Product Type	Power supply module

Description

The IC695PSD040 is a power supply module that is part of the PACSystem RX3i platform, currently under Emerson Automation, formerly produced by GE Intelligent Platform (GE IP). This power supply mounts to an RX3i universal backplane. It has an input voltage range of 18-30 VDC for module Start and 12-30 VDC for Module Run with maximum input Power of 60 Watts at full load. It has an output power of 40 Watts; Output voltage of 5.1 VDC, 3.3 VDC, 24 VDC; Output current of 0-6 Amperes and 0-9 Amperes, respectively.

Technical specifications for IC695PSD040
Brand GE Fanuc
Series PACSystem RX3i
Manufacturer GE Fanuc
Manufacturer GE Intelligent Platforms (Former); Emerson Automation (Current)
Part Number IC695PSD040
Product Description Power Supply Module
Series PACSystem RX3i
Type Power supply module
Input voltage range 18 to 30 VDC
Part Number IC695PSD040
Power Supply 40 Watts
Nominal Rated Voltage 24 VDC
Input Voltage Start: 18 to 30 VDC Run: 12 to 30 VDC
Voltage Range 18 to 30 VDC
Start Voltage Range 12 to 30 VDC
Output Voltage 5.1 VDC; 3.3 VDC
Outputs 3
Input Power 60 Watts, maximum
Output Current 5.1 VDC: 0 to 6 Amps 3.3 VDC: 0 to 9 Amps
LED Indicators 4
Inrush Current 4 Amps, 100 milliseconds maximum
Output Power 40 Watts, maximum
Installation RX3i universal backplane
Output Voltage 5.1 VDC: 5.0 VDC to 5.2 VDC (5.1 VDC nominal); 3.3 VDC: 3.1 VDC to 3.5 VDC (3.3 VDC nominal)
Ride through time 10 ms
On/Off Switch Yes
Output Current 5.1 VDC: 0 to 6 Amps; 3.3 VDC: 0 to 9 Amps
Slot Assignment Slot 0
Inrush Current 4 Amps per 100 ms max.
Output Power 40 Watts maximum total of both outputs: 5.1 VCD = 30 Watts maximum; 3.3 VDC = 30 Watts maximum
Power supply Redundancy Not supported
Isolation None
Ripple 50 mV

Increased capacity mode Not supported
Terminal Current 6 Amps
Number of Daisy-Chained PSD040 Two (2)
Wiring Terminals 14 AWG to 18 AWG wire
LED Indicators Power; P/S Fault; Overtemperature; Overload
Terminal Current 6 Amps
Controller Redundancy Not supported
The IC695PSD040 is a Power Supply module that is designed for use with the PACSystem RX3i Series of Emerson Automation, formerly by GE Intelligent Platforms (GE IP). This module has an input voltage requirement of 18-30 VDC for module Start and 12-30 VDC for Module Run. It is designed for maximum input power of 60 Watts at full load operation. This Rack Power supply delivers an output voltages of 5.1 VDC with maximum output of 30 Watts an 3.3 VDC with maximum output power of 30 Watts as well while the module's maximum output power does not exceed 40 Watts. Furthermore, the power supply's output current are 0-6 Amperes for 5.1 VDC and 0-9 Amperes at 3.3 VDC. The IC695PSD040 also has an 24 VDC output which may be utilized by the user to energize circuits on relay output modules. This Rack power supply is installed to the Slot 0 of the universal backplane. Only 1 instance of this module is needed per backplane however, this module is not compatible for use in redundant power supply assembly or increased capacity modes. With this, if the rack power demand exceeds the output capability of the IC695PSD040, RX3i modules must be installed to a separate backplane to manage power supply loading. This power supply module though also supports daisy chain connection wherein up to Two (2) IC695PSD040 can be connected however, this does not increase output capacity of the unit. The IC695PSD040 features a ride through time of 10 ms. This feature refers to the capability of the of the power supply to maintain acceptable level of output from the time the input power has fluctuated below the minimum level or completely lost.

The IC695PSD040 is a power supply module that is manufactured by GE Fanuc Automation and included in the RX3i PACSystem. The main purpose of this power supply module is to provide power to backplane. It provides up to 40 Watts of power within a voltage range of 18 to 30 Volts DC. The GE Fanuc Automation IC695PSD040 power supply module comes with 3 different outputs rated at 5.1 VDC; 3.3 VDC and 24 VDC. This module also includes a relay output that can be used to provide power to circuits that are configured to be used as output relay modules. It also has a specific output voltage of 3.3 Volts DC that is intended for use between the RX3i modules that are attached to this circuit. The GE Fanuc Automation IC695PSD040 power supply module is meant to be installed in a GE RX3i series universal backplane. Only one module of this kind can be installed in this backplane and once it is applied to specific circuits, it cannot be used to supply power in other redundant or increased capacity modes. The GE Fanuc Automation IC695PSD040 power supply module comes with different indicators that show when an internal fault has occurred. This indicator is connected directly to the CPU so that it can detect a loss of power and react accordingly. These indicators are the power indicator, P/S fault indicator, overtempterature indicator, and the overload indicator. The module occupies only one slot in the rack. The module also comes with an on and off switch on the front.

Technical Specifications

Brand GE Fanuc
Series PACSystem RX3i
Manufacturer GE Fanuc
Manufacturer GE Intelligent Platforms (Former); Emerson Automation (Current)
Part Number IC695PSD040
Product Description Power Supply Module
Series PACSystem RX3i
Type Power supply module
Input voltage range 18 to 30 VDC
Part Number IC695PSD040
Power Supply 40 Watts
Nominal Rated Voltage 24 VDC
Input Voltage Start: 18 to 30 VDC Run: 12 to 30 VDC
Voltage Range 18 to 30 VDC

Start Voltage Range 12 to 30 VDC

Output Voltage 5.1 VDC; 3.3 VDC

Outputs 3

Input Power 60 Watts, maximum

Output Current 5.1 VDC: 0 to 6 Amps 3.3 VDC: 0 to 9 Amps

LED Indicators 4

Inrush Current 4 Amps, 100 milliseconds maximum

Output Power 40 Watts, maximum

Installation RX3i universal backplane

Output Voltage 5.1 VDC: 5.0 VDC to 5.2 VDC (5.1 VDC nominal); 3.3 VDC: 3.1 VDC to 3.5 VDC (3.3 VDC nominal)

Ride through time 10 ms

On/Off Switch Yes

Output Current 5.1 VDC: 0 to 6 Amps; 3.3 VDC: 0 to 9 Amps

Slot Assignment Slot 0

Inrush Current 4 Amps per 100 ms max.

O