

# **I/A Series<sup>®</sup> Hardware**

## **Field Automation Subsystem**

### **Micro-I/A<sup>™</sup> 6.5 V dc Power Supply (Type 1)**



#### **PACKAGING**

The power supply is packaged in a compact Type 1 physical configuration which permits:

- Easy installation and removal
- DIN rail mounting in field locations adjacent to the Micro-I/A Type 1 Station

#### **POWER INPUT/OUTPUT**

The supply can be fed from a wide range (100 to 120 V ac or 200 to 240 V ac) of input voltages. Its output is regulated to 6.5 V dc, +/- 5%.

#### **VISUAL INDICATOR**

A green LED indicator located at the front of the supply is illuminated when 6.5 V dc power is being provided to the Micro-I/A Type 1 Station.

#### **DESCRIPTION**

The Micro-I/A 6.5 V dc Power Supply (Type 1) provides the primary power to General Electric Fanuc I/O modules when they are connected to a Micro-I/A Type 1 Station via a Micro-I/A GE Fanuc Direct Connect I/O Interface. This power supply includes a single cable to connect the 6.5 V dc output to the applicable processor.

FUNCTIONAL SPECIFICATIONS

Electromagnetic Compatibility

EUROPEAN COMPLIANCE

Complies with Council Directive 89/336/EEC as amended by 92/31/EEC and 93/68/EEC

RADIO FREQUENCY EMISSIONS

EN 55011 Class A, CISPR 11 Class A

ELECTROSTATIC DISCHARGE

EN 61000-4-2, IEC 61000-4-2,  
4 kV/8 kV contact/air

RF RADIATED FIELD

EN 61000-4-3, IEC 61000-4-3, 10 V/m

ac POWER

*Burst*

EN 61000-4-4, IEC 61000-4-4, 2 kV

*Surge*

EN 61000-4-5, IEC 61000-4-5, 1 kV/2 kV

*Conducted RF*

EN 61000-4-6, IEC 61000-4-6, 3 V

I/O SIGNAL/CONTROL

*Burst*

EN 61000-4-4, IEC 61000-4-4, 1 kV

*Surge*

EN 61000-4-5, IEC 61000-4-5, 1 kV

*Conducted RF*

EN 61000-4-6, IEC 61000-4-6, 3 V

Power

INPUT

*Voltage*

100 to 120 V ac or 200 to 240 V ac, 50 to 60 Hz

*Current*

0.83 A (typ) at 100 V ac

0.42 A (typ) at 200 V ac

OUTPUT

*Voltage*

6.5 V dc +/-5%

*Current*

3.3 A (max)

*Power*

15 W (typical); 21.5 W (max)

*Maximum Number of Modules Supported  
(Powered)*

24 I/O Modules plus 3 Interface cards

Certification

Listed by Underwriters Laboratories (UL) to UL1950 and CAN/CSA C22.2 No. 950 as Information Technology Equipment (ITE). Power supply outputs are Safety Extra Low Voltage (SELV) and limited power (Class 2). Units also comply with the European Low Voltage Directive 73/23/EEC.

ENVIRONMENTAL SPECIFICATIONS

Ambient Temperature

OPERATING

0 to 50°C (32 to 122°F)

STORAGE

-40 to +70°C (-40 to +158°F)

Relative Humidity

OPERATING

5 to 95% (Noncondensing)

STORAGE

5 to 95% (Noncondensing)

Mechanical

VIBRATION (OPERATING)

0.75 g (5 to 200 Hz)

Chemical

CORROSION AND CONTAMINATION

Per ISA Standard S71.04, Class G1

Flammability Effects

CIRCUIT BOARD

94V1

Transportation

ASTM D 999-75

**PHYSICAL SPECIFICATIONS**

**Height**

173 cm (6.8 in)

**Mass**

485 g (1.07 lb)

**Width**

117 cm (4.6 in)

**Depth**

89 cm (3.5 in)

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