

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE PACSYSTEMS RX3I

IC694MDL231

EIGHT-POINT ISOLATED 240 V AC INPUT MODULE

Used with the applicable PACSystems RX3i discrete I/O configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE official manufacturer documentation

6.2 Input Module, 240 Vac, 8-Point Isolated: IC694MDL231

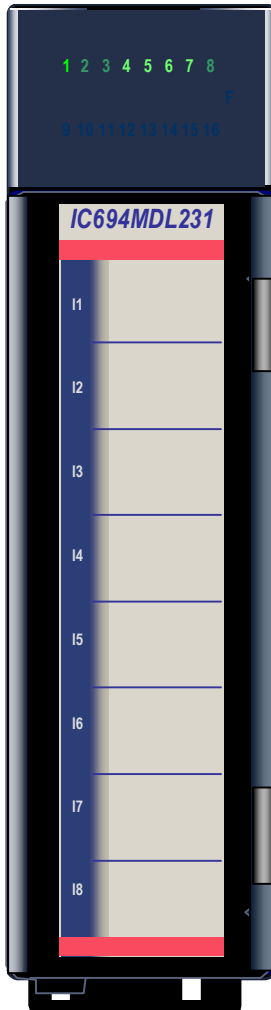


Figure 128: IC694MDL231

The **240 Vac Isolated Input** module, IC694MDL231, provides eight isolated input points, each with a common power input terminal. The input circuits are reactive (resistor/capacitor) inputs. Current passing into an input point results in a logic 1 in the input status table (%I). Input characteristics are compatible with a wide range of input devices, such as pushbuttons, limit switches, and electronic proximity switches.

Because the inputs are isolated, each input can be powered by a separate AC power source. Power to operate the field devices must be supplied by the user. This module requires an AC power source; *it cannot be used with a DC power source.*

Eight green LEDs indicate the ON/OFF status of points 1 through 8. The red bands on the label show that MDL231 is a high-voltage module.

This module can be installed in any I/O slot in an RX3i system.

Module supports insertion into and removal from an RX3i Universal Backplane which is under power. Refer to *Hot Insertion and Removal*, Section 2.6.4.1.

6.2.1 Specifications: MDL231

Rated Voltage	240 Vac, 50/60 Hz
Input Voltage Range	0 to 264 Vac, 50/60 Hz
Inputs per Module	8 (each input point has a separate common)
Isolation:	
Field to Backplane (optical) and to frame ground	250 Vac continuous; 1500 Vac for one minute
Point to Point	250 Vac continuous; 1500 Vac for one minute
Input Current	15 mA (typical) at rated voltage
Input Characteristics:	
On-state Voltage	148 to 264 Vac
Off-state Voltage	0 to 40 Vac