

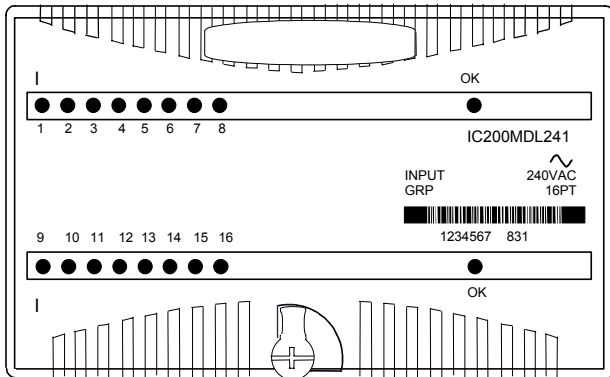
VersaMax 240VAC Input Module, 16 Points

September 2007

GFK-2464

Product Description

Discrete Input Module IC200MDL241 provides two groups of 8 discrete inputs. Inputs are positive logic or sourcing-type inputs; they receive current from AC input devices and return the current on the common. Input devices are connected between the input terminals and common terminals.



Power for module operation comes from the backplane.

Intelligent processing for the module is performed by the CPU or NIU. The module provides 16 bits of discrete input data.

LED Indicators

Individual green LEDs indicate the on/off state of each input point. The green OK LED is on when backplane power is present to the module.

Preinstallation Check

Carefully inspect all shipping containers for damage. If any equipment is damaged, notify the delivery service immediately. Save the damaged shipping container for inspection by the delivery service. After unpacking the equipment, record all serial numbers. Save the shipping containers and packing material in case it is necessary to transport or ship any part of the system.

Installation in Hazardous Locations

- EQUIPMENT LABELED WITH REFERENCE TO CLASS I, GROUPS A, B, C & D, DIV. 2 HAZARDOUS LOCATIONS IS SUITABLE FOR USE IN CLASS I, DIVISION 2, GROUPS A, B, C, D OR NON-HAZARDOUS LOCATIONS ONLY
- WARNING - EXPLOSION HAZARD - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2;
- WARNING - EXPLOSION HAZARD - WHEN IN HAZARDOUS LOCATIONS, TURN OFF POWER BEFORE REPLACING OR WIRING MODULES; AND
- WARNING - EXPLOSION HAZARD - DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NONHAZARDOUS.

Module Characteristics

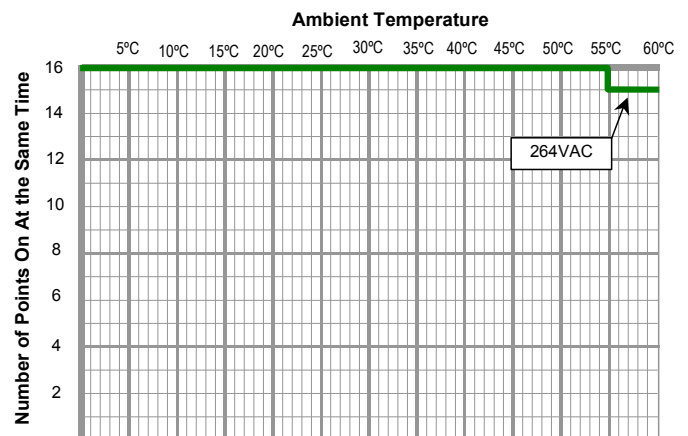
Points	16 inputs (2 groups of 8)										
Module ID	88048804										
Isolation:	User input to logic (optical) and frame ground: 250VAC continuous; 1500VAC for 1 minute Group to group: 250VAC continuous; 1500VAC for 1 minute Point to point: None										
LED indicators	One LED per point shows individual point ON/OFF status OK LED indicates backplane power is present										
Backplane current consumption	5V output: 110mA maximum										
External power supply	None										
Thermal derating	See below.										
Compatibility	Machine Edition	Versa Pro	Control 90	CPU 001	CPU 002	CPU 005	CPU E05	DBI 001	EBI 001	GBI 001	PBI 001
HW,FW vers. FW release	2.11	1.0	2.2	AA 1.0	AA 1.5	AA 2.1	AA 2.1	AA 1.1	AA 1.0	AA 1.0	AA 1.0

Input Characteristics

Input voltage	0 to 264VAC (47 to 63Hz), 240VAC nominal
On state voltage	155 to 264VAC
Off state voltage	0 to 40VAC
On state current	7mA minimum
Off state current	1.5mA maximum
On response time	1 cycle maximum
Off response time	2 cycles maximum
Input impedance	38.5kOhms (reactive) at 60Hz, typical 46.3kOhms (reactive) at 50Hz, typical

Thermal Derating

No derating is required for voltages up to 240VAC. Above 240VAC, the number of points that can be on at the same time depends on the ambient temperature and the external voltage.



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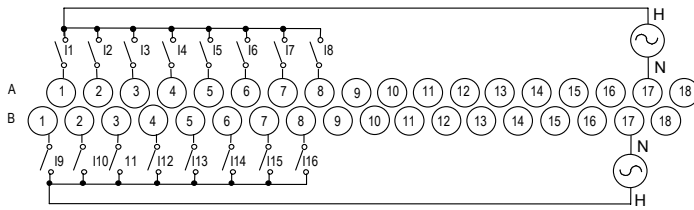
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Field Wiring Terminals

Terminal	Connection	Terminal	Connection
A1	Input 1	B1	Input 9
A2	Input 2	B2	Input 10
A3	Input 3	B3	Input 11
A4	Input 4	B4	Input 12
A5	Input 5	B5	Input 13
A6	Input 6	B6	Input 14
A7	Input 7	B7	Input 15
A8	Input 8	B8	Input 16
A9	No connection	B9	No connection
A10	No connection	B10	No connection
A11	No connection	B11	No connection
A12	No connection	B12	No connection
A13	No connection	B13	No connection
A14	No connection	B14	No connection
A15	No connection	B15	No connection
A16	No connection	B16	No connection
A17	Inputs 1-8 Common (Return)	B17	Inputs 9-16 Common (Return)
A18	No connection	B18	No connection

Wiring Connections for Carriers with Two Rows of Terminals



Wiring Connections for Carriers with Three Rows of Terminals

