GE IC200MDD843

Installation & Commissioning Guide

GE IC200MDD843 combines ten grouped 24 VDC positive-logic inputs with six two-amp relay outputs in one VersaMax I/O module.

PRODUCT ROLE AND TECHNICAL FEATURES

Feature 1

Combines ten DC inputs and six relay outputs in one module.

Feature 2

Provides two-amp switching capability at each relay point.

Feature 3

Offers selectable input filtering for field-noise control.

Feature 4

Maps a fixed ten-input and six-output image to the VersaMax backplane.

TECHNICAL DATA SNAPSHOT

System family	VersaMax I/O
Inputs	10 grouped 24 VDC positive logic
Outputs	6 relay outputs
Output rating	2 A per point

SYSTEM RELATIONSHIP

Discrete field points → **IC200MDD843** → **VersaMax backplane** → **Controller logic**

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Pre-installation readiness

READINESS GATE

Identity Compare the complete marking with the approved work order and installed record.	**System match** Confirm the receiving channel, mating components and controlled configuration.
Physical condition Inspect mounting surfaces, connectors, terminals, cable and support hardware.	**Work controls** Apply authorized isolation, bypass, access and restoration procedures.

TECHNICAL PROFILE FOR THE WORK

System family VersaMax I/O	**Inputs** 10 grouped 24 VDC positive logic
Outputs 6 relay outputs	**Output rating** 2 A per point
Output group limit 8 A maximum	**Input filter** 0, 1 or 7 ms selectable
Backplane allocation 10 input bits and 6 output bits	**Status indication** Point LEDs and OK LED

IMPORTANT NOTICE	Resolve every unmatched interface, configuration or receiving-system condition before removal or installation.

DOCUMENT AND WORK CONTROLS

Manufacturer document	GE Fanuc VersaMax Modules, Power Supplies, and Carriers User's Manual GFK-1504K
Application scope	The values below apply to the identified product and its documented system relationship.
Selection rule	Use the complete ordering string and confirm the installed interfaces before selection.

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Installation sequence

CONTROLLED WORK STEPS

01	Confirm IC200MDD843 and the carrier keying before insertion.
02	Isolate both 24 VDC input power and relay load sources.
03	Record all ten input and six output terminal assignments.
04	Observe the eight-amp relay-group limit when reviewing connected loads.
05	Apply suppression appropriate to every inductive load.
06	Restore commons and external relay power without cross-connection.
07	Exercise each input with the selected software filter active.
08	Test every relay point under controlled load and review the PLC image before release.

CONNECTION RECORD

As found	Photograph and label every connection and installed orientation before removal.
Mechanical	Record mounting position, support, clearance and connector engagement.
Electrical	Record polarity, common, shield, channel assignment and cable route.
Configuration	Preserve approved settings, scaling, alarm logic and acceptance limits.
As left	Record the final physical condition and any controlled deviation.

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WORK HOLD POINTS

Before removal	Identity, position, wiring, orientation and controlled settings recorded.
Before connection	Mating interfaces, condition and routing reviewed.
Before power-up	Mechanical work, wiring, shielding and configuration independently checked.
Before release	Static value, dynamic response and protection behavior accepted.

Commissioning and functional proof

COMMISSIONING SEQUENCE

Initial state

Observe status at power-up and check for unexpected fault or alarm indication.

Static value

Verify the expected bias, gap, loop, contact or channel value for the application.

Dynamic response

Apply the approved machine or test stimulus and confirm response and scaling.

Protection path

Verify the configured alarm, relay, data or receiving-system behavior.

APPLICATION-SPECIFIC CHECKS

Machine interlocking

Reads sensors and switches relay-controlled devices from one slot.

Panel consolidation

Reduces carrier positions for mixed discrete points.

Utility sequencing

Combines permissive inputs with isolated relay commands.

VersaMax spare replacement

Restores the documented mixed-module point map.

ACCEPTANCE RECORD

Identity	Complete marking and final installed position recorded.
Physical inspection	Mounting, connectors, terminals and routing checked.
Channel status	Expected status and configured measurement confirmed.
Functional test	Required output or protection response demonstrated.
Restoration	Bypasses removed and operating state approved.

COMMISSIONING QUESTIONS

How is GE IC200MDD843 divided between inputs and outputs?	IC200MDD843 provides ten grouped 24 VDC positive-logic inputs and six relay outputs.
What current can each GE IC200MDD843 relay output switch?	Each relay output is rated for up to 2 A within the documented voltage and load category limits.

Release record and technical references

CLOSEOUT QUESTIONS

Which group limit applies to GE IC200MDD843 outputs?	The six-output group is limited to a combined maximum of 8 A.
How many PLC bits does GE IC200MDD843 use?	It consumes ten input bits and six output bits in the VersaMax I/O map.
Which input-filter settings are available for GE IC200MDD843?	The input filter can be configured for 0 ms, 1 ms or 7 ms.
What do the LEDs on GE IC200MDD843 indicate?	Individual LEDs show point states and the OK LED indicates backplane power is present.
Why should inductive loads on GE IC200MDD843 use suppression?	Suppression limits relay-contact arcing and voltage transients when coils are switched.
What should be proven after installing GE IC200MDD843?	Exercise all ten inputs and six relays, confirm PLC mapping and verify load behavior under controlled conditions.

RELATED MODELS FOR INSTALLATION PLANNING

GE IS200TRLYH1BGG	Installation-planning reference. Review the complete ordering string before selection.
GE IS200VTURH1BAC	Installation-planning reference. Compare the required interface and system position.
GE IS200VCRCH1BBC	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER DOCUMENT AND FINAL CONTROL

Manufacturer document	GE Fanuc VersaMax Modules, Power Supplies, and Carriers User's Manual GFK-1504K
Application scope	The values below apply to the identified product and its documented system relationship.
Selection rule	Use the complete ordering string and confirm the installed interfaces before selection.

IMPORTANT NOTICE	Release the equipment only after the responsible site authority accepts the recorded result.

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