

## GENERAL ELECTRIC VERSAMAX

# IC200MDL650

## 32-Point 24 V DC Positive/Negative Logic Input Module

General Electric IC200MDL650 is a VersaMax 32-point 24 V DC positive/negative-logic input module with four isolated groups of eight.

**Verified technical data**

| Field                        | Officially documented value                                                          |
|------------------------------|--------------------------------------------------------------------------------------|
| Input points                 | 32 in four groups of eight                                                           |
| Input logic                  | Positive logic or negative logic; negative logic requires IC200MDL650C or later      |
| Input voltage                | 0 to +30 V DC; +24 V DC nominal                                                      |
| On-state voltage             | +15 to +30 V DC                                                                      |
| Off-state voltage            | 0 to +5 V DC                                                                         |
| On-state current             | 2.0 to 5.5 mA                                                                        |
| Off-state current            | 0 to 0.5 mA                                                                          |
| Basic maximum input response | 0.5 ms                                                                               |
| Configurable filter time     | 0 ms; 1.0 ms default; or 7.0 ms                                                      |
| Total input response         | 0.5 ms; 1.5 ms default; or 7.5 ms                                                    |
| Input impedance              | 10 k $\Omega$ maximum                                                                |
| Isolation                    | 250 V AC continuous; 1500 V AC for 1 minute, input-to-logic/frame and group-to-group |
| Point-to-point isolation     | None                                                                                 |
| 5 V backplane consumption    | 50 mA maximum                                                                        |
| External power supply        | None for module operation                                                            |
| Indicators                   | One input-state LED per point and one backplane-power OK LED                         |

**Selection checkpoints**

- The module receives thirty-two discrete signals through four groups of eight, reports each input state to the CPU or NIU, and provides a green indicator for every point.
- Before installation or replacement, verify the hardware revision, group polarity, input voltage and current, carrier terminals, filter setting, isolation, and saved VersaMax configuration.
- IC200MDL650 negative-logic operation requires version C or later; confirm group commons, field levels, carrier wiring, input filter, and the saved VersaMax configuration before commissioning.

**Documented applications**

- Discrete machine-state acquisition in VersaMax complex-machine control
- Grouped 24 V DC sensor monitoring in light process-control systems
- Position and status feedback collection in motion-control applications

**Verified revision identifiers**

IC200MDL650C, IC200MDL650D, IC200MDL650E, IC200MDL650F, IC200MDL650G, IC200MDL650K, IC200MDL650L

**Important selection note**

Confirm the complete IC200MDL650 catalog identity, actual label revision, carrier and terminal arrangement, electrical limits, controller or NIU compatibility, configuration, and saved project before installation or replacement.