

## GX-DQ50N

### iO-GRID X 32-Channel Digital Output Module

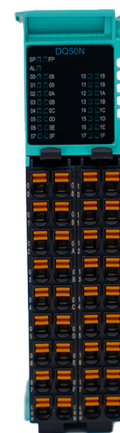
32-channel digital output module with SINK output design for high-density control applications.

Built with ESD, surge, and overvoltage protection to improve output stability and device protection.

Watchdog monitoring and independent LED diagnostics make module status easier to identify.

Push-in wiring and tool-free installation help simplify wiring and maintenance.

Modular design allows easy integration into the iO-GRID X system architecture.



Product  
Certification



## Technical Specifications

|                                       |                                                                                       |
|---------------------------------------|---------------------------------------------------------------------------------------|
| Module Type                           | 32-Channel Digital Output Module                                                      |
| Field Voltage Supply                  | 24 VDC (-15%~+20%)                                                                    |
| Field Current Consumption             | Max. 5mA@24VDC                                                                        |
| System Voltage Supply                 | 5 VDC; via power jumper contacts                                                      |
| System Current Consumption            | Max. 170mA@5VDC                                                                       |
| Number of Output                      | 32                                                                                    |
| Load Specification                    | Resistive, inductive, lamp load                                                       |
| Protective Circuit                    | undervoltage protection / overvoltage protection                                      |
| Max. Output Current In Single Channel | 0.5A                                                                                  |
| Connection Method                     | Push-in connection                                                                    |
| Isolation Method                      | Photocoupler Isolation                                                                |
| Indicators                            | 32 Green / Input Status□Power Status : Green□System Status : Green□Alarm Status : Red |
| Output Type                           | SINK                                                                                  |

## General Specifications

|                                      |                 |
|--------------------------------------|-----------------|
| Dimensions (W*D*H)                   | 24 x 105 x 69mm |
| Weight                               | 107g            |
| Operating Temperature                | -10 ... 60 °C   |
| Storage Temperature                  | -25...+85 °C    |
| Permissible Humidity(Non-condensing) | RH 95%          |
| Altitude Limit                       | < 2000 m        |
| Ingress Protection (IP)              | IP20            |



|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Pollution Severity    | II                                                      |
| Product Certification | UL / CE                                                 |
| Wire Range (IEC / UL) | 0.2mm <sup>2</sup> ... 1.5mm <sup>2</sup> (AWG 24...16) |
| Suggested Terminals   | DN00510D / DN00710D                                     |