

EMERSON OVATION

5X00500G01

32-channel current-sourcing digital-output module

Product identity and technical data

Manufacturer	Emerson
Part number	5X00500G01
Associated assembly number	1X0069H01
Product family	Ovation I/O
Product type	32-channel digital-output module
Output type	Current-sourcing
Field voltage	Positive 24 V DC switching
Maximum output per channel	500 mA
Maximum total output	2 A
Field-to-logic isolation	±1000 V DC galvanic isolation

Product summary

Emerson 5X00500G01 is a 32-channel Ovation digital-output module that sources positive 24 V DC to external loads and relay circuits.

It provides field-power detection, stored electronic identification, channel indication, configurable timeout behavior and protection for inductive loads.

Before installation, verify the 5X00497G01 I/O base, cabinet field supply, channel and total load, external wiring, timeout action and project channel mapping.

Configuration and selection checks

Additional technical data

Required I/O base	5X00497G01 four-module I/O base
Output timeout action	Configurable reset or latch
Service feature	Hot-swappable

Outputs

- The module provides 32 current-sourcing output channels.
- Each channel supports up to 500 mA within the documented 2 A total limit.
- Outputs switch positive 24 V DC from the cabinet auxiliary field supply.

Diagnostics

- Indicators report module power, communications, external fault and internal fault status.
- Individual indicators report output states for channels 1 through 32.
- The module detects the presence of field power and stores electronic identification data.

Protection

- Field-side circuits are galvanically isolated from logic by ± 1000 V DC.
- Output action on a communication timeout can be configured to reset or latch.
- Output circuits include documented protection for inductive kick.