

EMERSON OVATION

1C31223G01

16-channel G2R relay-output base assembly

Product identity and technical data

Manufacturer	Emerson
Part number	1C31223G01
Product family	Ovation I/O
Product type	G2R relay-output base assembly
Compatible electronics module	1C31219G01
Relay count	16 electromechanical G2R relays
Contact arrangement	1 Form C per relay
AC contact rating	10 A at 250 V AC, power factor 1
DC contact rating	10 A at 30 V DC
Maximum operate timing	15 ms plus approximately 3 ms contact bounce

Product summary

Emerson 1C31223G01 is the Ovation relay-output base assembly for the 1C31219G01 electronics module.

The base carries 16 electromechanical G2R relays, each with one Form C contact, and provides field terminal connections without a separate personality module.

Verify the electronics-module identity, relay contact load, inrush, suppression, auxiliary supply, external current limiting and field isolation before energization.

Configuration and selection checks

Additional technical data

Maximum release timing	10 ms plus approximately 8 ms contact bounce
Isolation	2300 V AC/DC, relay contacts to logic
Auxiliary power	9.1 W typical; 11.68 W maximum
Auxiliary supply	25 V typical; 25.5 V maximum at 60 °C
Base fuse	EX06104; 5 × 20 mm; 1.25 A; 250 V; fast acting
Operating temperature	0...60 °C
Storage temperature	-40...70 °C
Relative humidity	35...85%

Contacts

- The base contains 16 electromechanical G2R relays with one Form C contact each.
- The documented resistive AC contact rating is 10 A at 250 V AC, power factor 1.
- The documented DC contact rating is 10 A at 30 V DC.

Timing

- Maximum relay operate time is 15 ms plus approximately 3 ms contact bounce.
- Maximum relay release time is 10 ms plus approximately 8 ms contact bounce.
- Relay contacts are isolated from logic-side circuits by 2300 V AC/DC.

Protection

- External current-limiting protection is required for the field circuits.
- The documented base fuse is EX06104, 5 × 20 mm, 1.25 A, 250 V, fast acting.
- The internal Ovation auxiliary supply is the recommended source for relay-coil power.

Confirm the complete model identifier and installed system configuration before replacement or commissioning.