

1C31110G03

Contact Input Personality

It is the surge-protection personality module for sixteen Ovation contact inputs used with the documented electronics module.

Manufacturer	Emerson
Product family	Westinghouse Ovation contact input subsystem
Complete model	1C31110G03
Source record	R3-1150

RELATED PRODUCTS ON APTER POWER

01	Emerson A6560	OPEN
02	Emerson A6120	OPEN
03	Emerson A6312-06	OPEN
04	Emerson IC695CPE330	OPEN
05	Emerson A6210	OPEN
06	Emerson A6110	OPEN

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Exact-model technical record

Complete model	1C31110G03	Wetting supply	48 V DC nominal from the electronics module
Manufacturer	Emerson	Auxiliary supply range	42 to 55 V DC
Product family	Westinghouse Ovation contact input subsystem	Propagation delay	7 ms maximum
Personality module	1C31110G03	Pulse rejection	Rejects pulses below 3 ms
Input channels	16	Accepted pulse	Accepts pulses above 7 ms
Function	Surge protection for contact inputs	Compliance	Documented configurations are CE
Companion electronics	1C31142G01		

OFFICIAL SOURCE COVERAGE

Source 1	Westinghouse Ovation I/O Reference Manual — Catalog or product identification, R3-1150
Source 2	Westinghouse Ovation I/O Reference Manual — Technical specifications, R3-1150
Source 3	Westinghouse Ovation I/O Reference Manual — Installation and application guidance, R3-1150

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System role and applications

Ovation contact inputs

Provides surge-protected field termination for sixteen digital contacts.

Pulse filtering

Rejects short disturbances according to the documented timing boundary.

Wetted field contacts

Uses the companion module's nominal 48 V DC wetting source.

Personality-module renewal

Restores 1C31110G03 while preserving channel wiring.

ENGINEERING BOUNDARY

Match 1C31110G03 with the documented 1C31142G01 electronics module, 48 V DC wetting arrangement and sixteen-channel field wiring.

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Model-specific engineering questions

Q1. Which personality module identifies 1C31110G03?

Personality module: 1C31110G03. Match the complete catalog identity before work.

Q2. What input channels must be matched for 1C31110G03?

Input channels: 16. Preserve the installed system assignment and connector mapping.

Q3. How is the function defined on 1C31110G03?

Function: Surge protection for contact inputs. Use the controlled project record during wiring checks.

Q4. Why does the companion electronics matter when replacing 1C31110G03?

Companion electronics: 1C31142G01. Do not substitute a neighboring family value.

SOURCE IDENTIFIER

R3-1150

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Acceptance reference and related products

Q5. Which wetting supply should commissioning records retain for 1C31110G03?

Wetting supply: 48 V DC nominal from the electronics module. Record the as-found setting before removal.

Q6. What should technicians verify about the auxiliary supply range of 1C31110G03?

Auxiliary supply range: 42 to 55 V DC. Confirm the value again during controlled startup.

RELATED PRODUCTS ON APTER POWER

01	Emerson A6210	OPEN
02	Emerson A6110	OPEN
03	Emerson 5X00121G01	OPEN
04	Emerson 5X00119G01	OPEN
05	Emerson KJ3222X1-BA1-12P2532X122	OPEN
06	Emerson KJ2005X1-SQ1-12P6383X022	OPEN
07	Emerson PR6426-010-140	OPEN
08	Emerson PR6426-000-030	OPEN
09	Emerson PR6424-010-140	OPEN
10	Emerson PR6423-10R-010	OPEN
11	Emerson PR6422-013-041	OPEN
12	Emerson PR6423-010-000	OPEN
13	Emerson CON041	OPEN
14	Emerson PR9268-202-100	OPEN

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