

# APTER POWER

# 1C31110G03

## Contact Input Personality

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

## COMPLETE PRODUCT SNAPSHOT

|              |                                              |
|--------------|----------------------------------------------|
| MANUFACTURER | Emerson                                      |
| FAMILY       | Westinghouse Ovation contact input subsystem |
| MODEL        | 1C31110G03                                   |
| DOCUMENT     | R3-1150                                      |

## RELATED PRODUCTS ON APTER POWER

|    |                                  |      |
|----|----------------------------------|------|
| 01 | Emerson 396P-08-10-55            | OPEN |
| 02 | Emerson KJ3002X1-BG2-12P1731X062 | OPEN |
| 03 | Emerson KJ3002X1-BB1-12P0683X082 | OPEN |
| 04 | Emerson KJ3001X1-BB1-12P0550X142 | OPEN |
| 05 | Emerson PR6423-00R-101-CON031    | OPEN |
| 06 | Emerson KJ4001X1-NB1-12P3368X012 | OPEN |

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1C31110G03

# Exact-model technical record

|                       |                                              |
|-----------------------|----------------------------------------------|
| Complete model        | 1C31110G03                                   |
| Manufacturer          | Emerson                                      |
| Product family        | Westinghouse Ovation contact input subsystem |
| Personality module    | 1C31110G03                                   |
| Input channels        | 16                                           |
| Function              | Surge protection for contact inputs          |
| Companion electronics | 1C31142G01                                   |

|                        |                                             |
|------------------------|---------------------------------------------|
| Wetting supply         | 48 V DC nominal from the electronics module |
| Auxiliary supply range | 42 to 55 V DC                               |
| Propagation delay      | 7 ms maximum                                |
| Pulse rejection        | Rejects pulses below 3 ms                   |
| Accepted pulse         | Accepts pulses above 7 ms                   |
| Compliance             | Documented configurations are CE marked     |

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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.

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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.

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