

NEW!

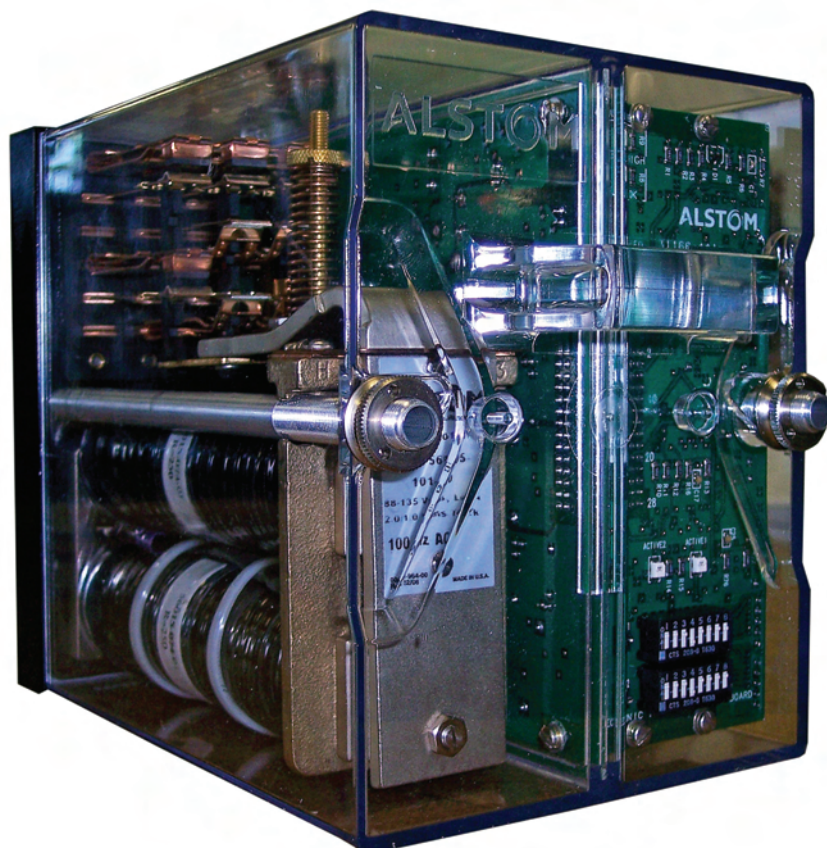
ALSTOM Solid-State Vane Relay

Overview

The new Alstom Solid-State Vane Relay uses electronic technology to provide an alternative product that is a **direct replacement** for the Alstom Mechanical Vane Relay.

Local and track winding inputs match the mechanical vane relay impedances to seamlessly replace mechanical vane relays existing in the field. This product is available as a 100% electronic solution or with a B1 Relay in a B2 enclosure (depending upon the customer application) and can operate in both double rail and single rail track circuit applications.

The new Alstom Solid-State Vane Relay exhibits superior reliability, having greater than 300,000 hours Mean Time Between Failures (MTBF). The Solid-State Vane Relay also provides versatility, allowing the customer to adjust the phase angle setting, if required, for special applications. **Less frequent periodic testing is required as compared to the Mechanical Vane Relay**, which requires AREMA testing every 2 years. The reduced maintenance and testing of the Solid-State Vane Relay drastically lowers the total life cycle costs.



Features

- Available in 60Hz and 100Hz (other frequencies available upon request)
- Mean Time Between Failures (MTBF) >300,000 hours
- Automatically resets if unplugged from local power for 1/2 second or longer
- No periodic AREMA testing required for the 100% electronic version
- Can be removed from or installed in an energized plugboard without damage or degradation
- Immune to DC traction current and AC audio frequencies greater than 500 Hz
- Meets AREMA Class B Environmental Conditions

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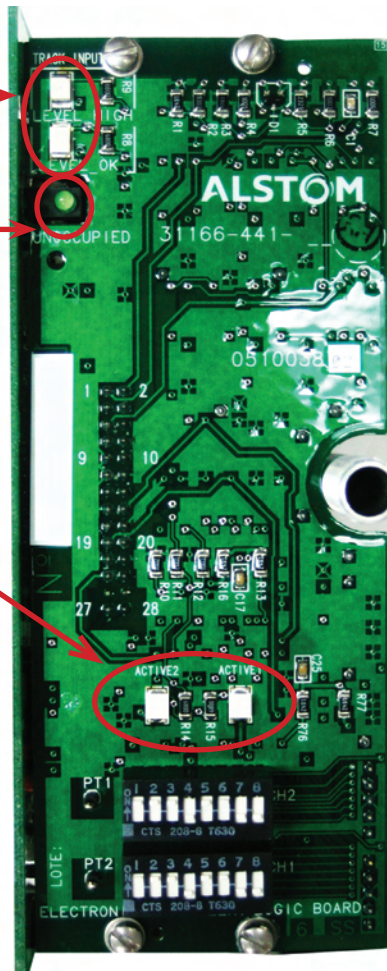
SIGNALING

ALSTOM

Solid-State Vane Relay

Contains 5 LEDs used to indicate system status

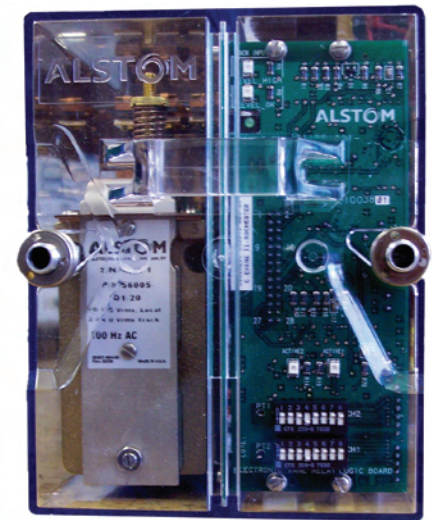
- 2 LEDs indicate track signal strength to ease track circuit adjustment
- 1 LED indicates relay or output status
- 2 diagnostic heartbeat LEDs, one for each microcontroller



For assistance in ordering and specification of the Solid-State Vane Relay, please contact the Alstom Customer Service Center at 800-717-4477.

Applications:

- Single Rail Track Circuits
- Double Rail Track Circuits
- AC Ground Detector Circuits
- AC Power Interruption Circuits



Ordering Information

Part Number	Replaces	Frequency	Contacts	Local Volts	Track Volts	Price
56005-101-01	56005-100-01	60Hz	4F-4B	110	1/0.5	\$2950.00
56005-101-09	56005-100-09	60Hz	2F-2B	110/55	1/0.5	\$2650.00
56005-101-18	56005-100-18	60Hz	2F-2B	110/55	5	\$2650.00
56005-101-20	56005-100-20	100Hz	4F-4B	110	2/1	\$2950.00
56005-101-24	56005-100-24	100Hz	4F-4B	110	2/1	\$3200.00

Note: Shock indicator included on all relays.