



# SEL-4600 Series Test Blocks and Plugs Guideform Specification

Test blocks and associated plugs shall comprise a test interface system that provides safety, reliability, and ease of use in a cost-effective package, with the following features and functions:

**Finger-Safe Front Access.** The test interface system shall prevent accidental exposure to ac voltages and currents by having no exposed energized metal protruding from the surface of the test block. The test interface system shall support setup and testing without access to the back of the test block. The test interface system shall allow simple test setup and restoration through the use of modular design and standardized configurations for a variety of relays.

**Automatic Current Transformer Shorting.** Very low resistance current transformer (CT) shorting (< 125 milliohms per pole) shall be automatically completed via make-before-break action of the CT circuit when the test plug is inserted into the test block. Current transformer circuit plugs shall include the shorting mechanism and require no separate action taken by a technician to install shorting jumpers or equivalent.

**Industry Rated Contacts.** The test interface system shall be rated for 600 V, 30 A continuous current carrying capability, with no more than 125 milliohms of contact resistance per pole.

**Unique Keying.** The test interface system shall have a mechanism to uniquely key the blocks and plugs so that current, voltage, and signal/trip inputs and outputs can be accessed only by matching test plugs.

**Automatic Sequencing.** Signal/trip test-plug fingers shall be longer than the ac voltage and current fingers. This provides automatic isolation of device I/O prior to interruption of currents and voltages to support worry-free test sequencing each time the test plug is inserted or removed from the test block.

**Banana Jack Connections.** Industry-standard banana jack test points on each test plug shall provide quick and easy connection points for wiring to test equipment.

**Labeled Test Points.** A mechanism to clearly label test plugs and blocks shall be provided for easy identification of the individual test points. Labels shall indicate voltage, current, signal/trip, and test poles of the test blocks and plugs.

**Flexible Choices.** Test blocks shall be available with 7-, 10-, 14-, and 20-pole ordering options, with predefined mixes of ac current, ac voltage, signal, and trip/close pole styles.

**Replacement for Old Switches.** A kit shall be available that contains components needed to replace a 10-pole FT switch with a 10-pole test interface system block to increase the safety of the installation by eliminating exposed energized metal.

**Dust Covers.** Optional dustcovers shall be available for locations where there may be high concentrations of airborne particles or surface contaminants.

**Mounting Panels.** Optional panels shall be available to mount a variety of test block sizes in standard 19" racks.

**Simple Setup and Restoration.** The supplier shall provide documentation for a variety relays for a standardized approach to test block configurations.

**Warranty.** The test interface system shall be covered by a 10-year, worldwide warranty for parts and labor.

