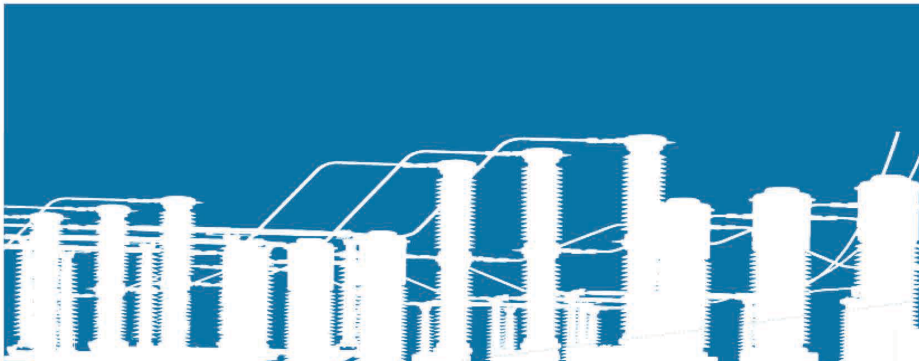




# FTS / FTP Test Blocks & Plugs

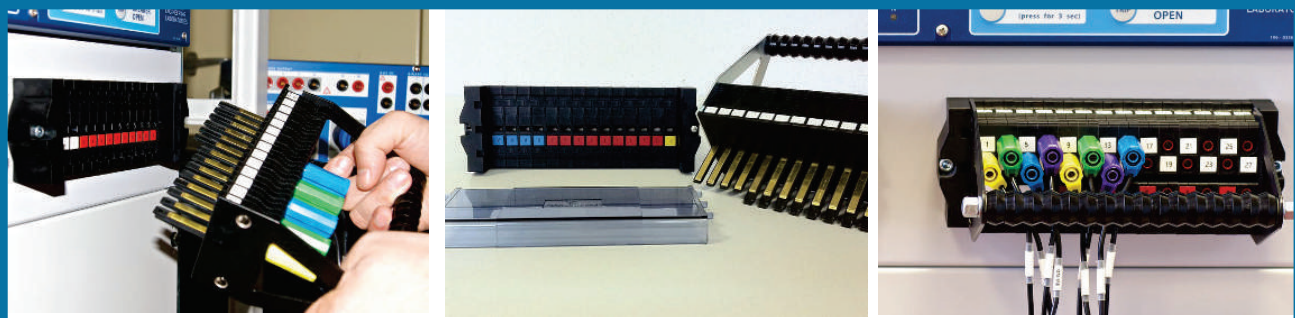


Testing Solutions  
for  
Electric Power



**INCREASE SAFETY & EFFICIENCY**  
**ALLOWS TEST DURING OPERATION**

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The FTS is a test block for interfacing substation devices (protection relays, fault recorders, revenue meters, . . . ) to the voltage and current transformers and to other equipment on the system side of a power grid.

The FTP is a test plug keyed to a particular configuration of FTS Test Blocks. Once inserted into the corresponding Test Block, the FTP Plug isolates the substation device from the system side equipment while at the same time allowing connection of test equipment for secondary injection tests.

### Key Features

- Finger-safe Test Block and Test Plug increase safety during testing.
- Test Plugs are keyed to the corresponding Test Blocks and help eliminate errors.
- Construction of Test Plugs prevents contact between test set and current and voltage transformers during insertion / removal and allows test during operation.
- Built-in time-sequencing of disconnection / reconnection operations prevents spurious breaker operation.
- Extremely low internal resistance ( $< 2 \text{ m}\Omega$ ) helps reduce heat inside cabinets and panels.
- Available in 8, 10, 12, 14, 16, 18 or 20 pole configurations.

### Technical Specifications

|                                |   |
|--------------------------------|---|
| <b>Current withstand</b>       | 30 A continuous<br>500 A for 1 second   |
| <b>Maximum voltage</b>         | 600 V   |
| <b>Contact resistance</b>      | $\leq 2 \text{ m}\Omega$  |
| <b>Dielectric withstand</b>    | 3.0 kV RMS for 1 minute between adjacent contact pairs and between any contact pair and other metal parts<br>3.0 kV RMS for 1 minute between open contacts when test plug is inserted |
| <b>Voltage impulse</b>         | 3 positive and 3 negative impulses of 5 kV peak, 1.2/50 $\mu\text{s}$ , 0.5 J between adjacent contact pairs and between all contact pairs and other metal parts                      |
| <b>UL94 flammability class</b> | V-0   |
| <b>Enclosure protection</b>    | IP20 (without optional cover)<br>IP50 (with dust cover included)  |

FTS / FTP Test Blocks and Plugs are classified as electromagnetically benign and are therefore excluded from the scope of the European Community EMC Directive 2004/108/EC.

FTS / FTP Test Blocks and Plugs meet or exceed all requirements from ANSI / IEEE C37.90-2005.

**SecuControl**<sup>®</sup> [www.secucontrol.com](http://www.secucontrol.com)

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