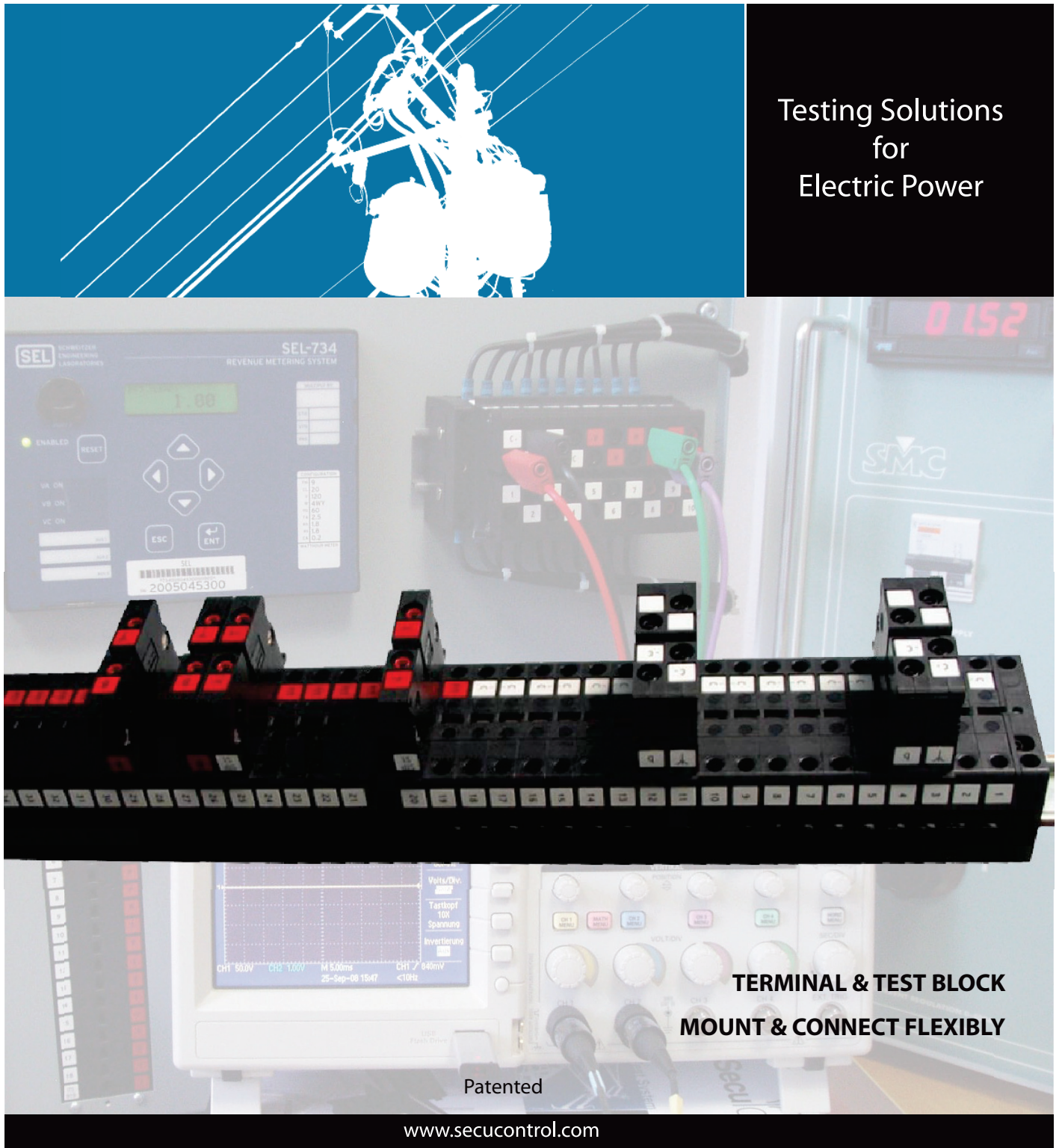# SecuControl®

SAX / PAX Terminal/Test Blocks & Probes

Testing Solutions
for
Electric Power

TERMINAL & TEST BLOCK

MOUNT & CONNECT FLEXIBLY

Patented

SAX is a surface mount terminal / test block combination 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.

PAX is a test plug keyed to a particular configuration of SAX blocks. Once inserted into the corresponding SAX block, the PAX 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

• Terminal block and test block in one - reducing panel space and wiring time

• Finger-safe test block and test plug increase safety during testing

• Test plugs are keyed to the corresponding test blocks and help eliminate human errors during testing

• Extremely low internal resistance (< 2 mΩ) helps reduce heat inside cabinets and panels and decreases the risk of saturation when using 1 A current transformers

• Available in 4 to 20 pole configurations

• Facilitates efficient, standardized testing procedures

• DIN rail mount or surface mount with screws

Technical Specifications

Current withstand	30 A continuous 500 A for 1 second
Maximum voltage	600 V
Contact resistance	≤ 2 mΩ
Dielectric withstand	3.0 kV RMS for 1 minute between adjacent contact pairs and between any contact pair and other metal parts 2.0 kV RMS for 1 minute between open contacts when test plug is inserted
Voltage impulse	3 positive and 3 negative impulses of 5 kV peak, 1.2/50 µs, 0.5 J between adjacent contact pairs and between all contact pairs and other metal parts
UL94 flammability class V-0	
Enclosure protection	IP20 (without optional cover)

SAX / PAX has been classified as electromagnetically benign by the Guide for the EMC Directive 2004/108/EC and is, therefore, excluded from the scope of the EMC Directive.
SAX / PAX meet or exceed all requirements from ANSI / IEEE C37.90-2005.

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