

POWER SWITCHES

Switching Series | PXIe Test And Measurement Suite

SMX-2XXX SERIES

The VTI Instruments SMX-2XXX Series of power switches deliver exceptional performance and reliability in a compact, high-density form factor. Embedded virtual schematic control simplifies setup and debugging, allowing all relays to be engaged independent of application software and device drivers. Ideally suited for medium-to-high density automated test equipment (ATE), the SMX-2XXX Series provides uncompromised measurement integrity ideal for the most demanding aerospace, defense and automotive automated test system (ATE) applications.



Features

- SPST / SPDT Configurations
- 250 AC / 300 VDC
- 16 A Switching
- Embedded Virtual Schematic
- Relay Cycle Count Odometer
- Fail-safe Interrupt Input on Front Panels for Emergency Safety Conditions
- Software-configurable
- Embedded Health Monitoring
- Improved Test Reliability
- Exceptional Noise Immunity
- Efficient High-density Packaging
- Interactive Schematic Control
- 3 Year Warranty

ATE MARKETS & APPLICATIONS

- › AVIONICS
- › ELECTRONICS
- › OIL AND GAS
- › AUTOMOTIVE
- › DEFENSE AND AEROSPACE
- › ENERGY / POWER GENERATION

SPECIFICATIONS

Relay Type	Electro Mechanical, Power Relay
Maximum Switching Voltage	300 VDC / 250 VAC
Maximum Switching Current	16 A
Maximum Switching Power	448 W, 4000 VA Breaking Capacity
Bandwidth	45 MHz (typical)
Switching Time	< 14 ms
Path Resistance	< 100 mΩ
Rated Switch Operations	
Mechanical	> 30 x 10 ⁶
Electrical	> 10 x 10 ⁹

Specifications subject to change without notice.

ORDERING INFORMATION

MODEL	PART NO.	CONFIGURATION
SMX-2001-10	70-0409-581R	10 SPST
SMX-2001-12	70-0409-583R	12 SPST
SMX-2001-16	70-0409-584R	16 SPST
SMX-2002-10	70-0409-570R	10 SPDT
SMX-2002-12	70-0409-582R	12 SPDT