

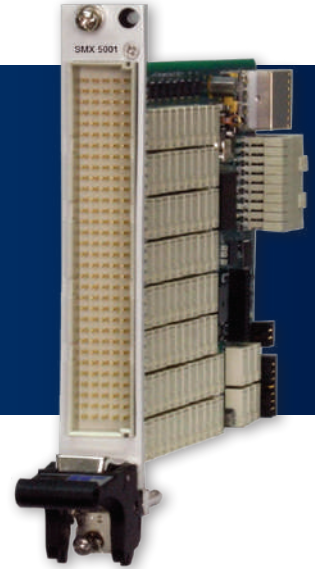
GENERAL PURPOSE SWITCHES

Switching Series | PXIe Test And Measurement Suite

SMX-5XXX SERIES

The VTI Instruments SMX-5XXX Series of general purpose switches deliver exceptional performance and reliability by implementing extensive signal path shielding, isolation and built-in health monitoring. Embedded virtual schematic control simplifies setup and debugging, allowing all relays to be engaged independent of application software and device drivers.

Ideally suited for a wide range of discrete signal switching, the SMX-5XXX Series provides uncompromised measurement integrity ideal for the most demanding aerospace, defense and automotive automated test equipment (ATE) applications.



Features

- Form A (SPST) and Form C (SPDT) Configurations
- 300 VAC / 300 VDC
- 2A / 5A Switching
- Embedded Virtual Schematic
- Relay Cycle Count Odometer
- Extensive End-to-End Signal Path Shielding
- 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

Maximum Switching Voltage	300 VDC / 300 VAC
Maximum Switching Current	2A / 5A
Maximum Switching Power	60 / 150 W DC, 62.5 VA Breaking Capacity
Bandwidth	> 64 MHz (typical)
Switching Time	< 3 ms
Path Resistance	< 400 mΩ
Insulation Resistance	> 1 X 10 ⁹ Ω
Rated Switch Operations	
Mechanical	1 X 10 ⁸
Electrical	1 X 10 ⁶
End-to-End Signal Path Shielding	Yes

Specifications subject to change without notice.

ORDERING INFORMATION

MODEL	PART NO.	CONFIGURATION
SMX-5001	70-0409-110R	(80) SPST/Form A
SMX-5002	70-0409-118R	(50)SPDT/Form C
SMX-5004	70-0409-580R	(30)SPDT/Form C