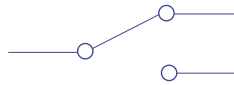


SMP2008 - 1 of 16 DPST



SMP2009 - 1 of 16 SPDT

Features

SMP2008 16 DPST 500 V Relays
SMP2009 16 SPDT 500 V Relays

Large Switching Capacity in a Small Footprint

High Breakdown Voltage (2,000 V rms between open contacts)

Shielded Coaxial Signal Paths Improve Signal Integrity

75 Ω Impedance for Communications Applications

Fail-safe Interrupt Input on Front Panels for Emergency Safety Conditions

High Voltage Switch Modules

Overview

The SMP2008 and SMP2009 have been designed for applications requiring high-voltage signal switching. These modules have also been designed with controlled 75 Ω shielded signal paths. This approach improves signal shielding, while making these modules ideal for switching CATV and other communication signals.

Up to 96 500 V DPST or SPDT relays can be accommodated in two VXIbus card slots for maximum density, or mixed and matched with other SMIP//™ cards for flexibility.

All relays are driven from the VXIbus +5 V supply line since VXIbus mainframes always have ample current capability on this supply line, as opposed to the +24 V or +12 V supply lines. Since these modules typically switch high voltage to the UUT or interface, a fail-safe interrupt input line is provided on the front panel that can open all relays automatically if a fault condition occurs. This approach instantly removes all power to the UUT or interface.

Specifications

Maximum Switching Voltage:	500 V dc
Maximum Switching Current:	1 A
Maximum Carry Current:	2 A
Maximum Switching Power:	25 W (Resistive Load)
Path Resistance:	<1 Ω
Bandwidth (-3 dB):	>35 MHz (75 Ω)
Rated Switch Operations:	
Mechanical:	100 x 10 ⁶
Electrical:	1 x 10 ⁶ at full load
Switching Time:	<1 ms