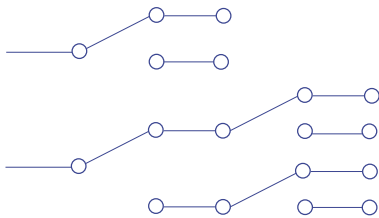


SMP2003 - 1 of 8 SPDT



SMP2004 - 1 of 12 SPST



SMP2005 - 1 of 3 SPDT
1 of 3 SP4T

20 A Power Switch Module

Overview

The SMP2003, SMP2004 and SMP2005 20 A switch modules are designed for heavy-duty power switching requirements. These modules are ideal for automating the signal switching and testing of motors, ballasts, or simple high-power ac or dc signal devices.

Some useful applications for the SMP2003, SMP2004 and SMP2005 include automotive, and home appliance ATE systems. Since large power relays are used, these modules can only be configured in the SMP1100, but they may be mixed and matched with other modules. All SMIP//™ family modules can utilize the VXIbus TTL trigger lines to provide a fail-safe interrupt feature.

Specifications

Maximum Switching Voltage:	270 V ac, 220 V dc
Maximum Switching Current:	20 A
Maximum Switching Power:	600 W dc, 5400 VA
Path Resistance:	<100 mΩ
Insulation Resistance:	>1x10 ⁷ Ω
Capacitance:	
Open Channel:	<20 pF
Channel-Mainframe:	<20 pF
Bandwidth (-3 dB):	>20 MHz bandwidth
Insertion Loss:	
100 kHz:	<0.2 dB
1 MHz:	<0.5 dB
10 MHz:	<1.0 dB
Crosstalk:	
100 kHz:	<-75 dB
1 MHz:	<-50 dB
10 MHz:	<-40 dB
Rated Switch Operations:	
Mechanical:	1 x 10 ⁷
Electrical:	1 x 10 ⁵ at full load
Switching Time:	<15 ms
Base Unit Compatibility:	SMP1100

Features

- SMP2003 8 SPDT 20 A Relays
- SMP2004 12 SPST 20 A Relays
- SMP2005 3 SPDT & 3 SP4T 20 A Relays

High Current Switching Capacity

High Breakdown Voltage (1,500 V rms between open contacts)

Ideal for Switching ac or dc Power Supplies and High Current Sources

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