

30 A Power Switch Modules

Overview

The SMP2012, 30A 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 SMP2012 include automotive, Defense, and home appliance, and 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:	30 A
Maximum Switching Power:	900 W dc, 8000 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:	<-60 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

SPST



SMP2012 - 1 of 10 SPST

Features

SMP2012 10 SPST 30 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