

## Product Description

The 7023 provides 32 SPST Switches in a small space. This module provides the highest density general purpose switch, ideal for switching UUT Power as well as other current carrying signals. The 7023 has been designed with several exceptional features that make it stand out from competitive products.

■ **3U Form Factor** – The 3U PXI format is the most popular PXI size, and is compatible with all brands of PXI approved products.

■ **Coaxially Shielded Reed Relays –**

- Shielding allows a characteristic 50Ω impedance to be maintained, while dramatically increasing Noise Immunity.
- Reed Relays are rated for >1Billion cycles vs 1M for standard Relays.
- These relays use Ruthenium at the contact area in a hermetically sealed environment, making them ideal in “Dry” or “low Voltage” switching applications. Unlike, ordinary gold plated non-sealed relays which depend on switching arcs to keep contacts clean and will build up resistance in Dry switching applications.

## Capabilities

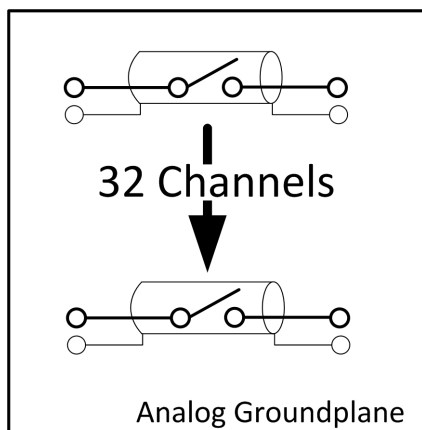
- 32 SPST
- Bandwidth = 103MHz
- Voltage Max = 220VDC, 220VACpk
- Current Max = 1A (carry)

## Recommended Uses

- **General Purpose switching** – the ease of expansion using this module makes it ideal for all Mid Frequency switching applications.

■ **Positronic Connectors** – Selected for high bandwidth and robust performance.





- All ASCOR cards have built-in circuitry to verify both the control signal from the programming register, as well as verifying the relay coil is intact.
- All Switching modules feature built-in memory to maintain the service record of the unit with time stamping.
- All Modules carry a full 3 year Warranty

## Specifications

### Electrical

- Voltage Max = 220VDC, 220VACpk
- Current Max = 1A (Carry)
- Max Power = 10W
- Bandwidth = 103MHz
- Crosstalk = -19dB @ 50MHz
- Insertion Loss = -0.5dB @ 50MHz
- Life Expectancy = 1B cycles
- Contact Resistance < 187mΩ
- J1 & J2 Connectors
  - Positronic SMPL34M0TOLB

### Environmental

#### Temperature

- Operating 0° to 50°C
- Storage -40° to 75°C

#### Humidity (non-condensing)

- Operating 10 to 90%
- Storage 0 to 95%

### Mechanical

- 3U PXI
- Weight 0.5 lbs

## Ordering Information

Model #	Description	Manufacturer #
7023	32 SPST, 153MHz (Shielded)	91000150
	Set of Mating connectors for one Module	89800570
	Set of Pigtail Cables for one Module, 6ft length	89800570-006