

7999-3 Single-Pole Multiplexer Card

RELAY SWITCH CONFIGURATION:

- 10 channels of independent 1-pole switching
- 1 channel of 2:1 mux 1-pole switching.
- 2 channels of 4:1 mux 1-pole switching.

CONTACT CONFIGURATION: 1-pole Form A.

CONNECTOR TYPE: 96-pin male DIN card connector.

MAXIMUM SIGNAL: 30V DC, 42V peak between any two inputs or chassis, 1A switched, CAT I.

CONTACT LIFE: Cold Switching: 10×10^6 closures.
At Maximum Signal Levels: 2×10^5 closures.

CHANNEL RESISTANCE (per conductor): $<0.5\Omega$.

CONTACT POTENTIAL: $<10\mu\text{V}$ per contact.

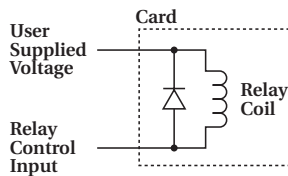
ACTUATION TIME: 3ms.

RELAY DRIVE CURRENT (per relay): 8.5mA @ 24V (user supplied).

USER SUPPLIED VOLTAGE: $24\text{V} \pm 4\text{V}$ DC, 220mA max.

RELAY CONTROL INPUT: Relay Closed: $<2.0\text{V}$.
Relay Open: User supplied voltage.

RELAY DRIVE CONFIGURATION:



GENERAL

INDICATORS: SMT LED shows status of each relay.

ENVIRONMENT: Operating: 0° to 50°C , up to 35°C $<80\%$ RH.

Storage: -25° to 65°C .

EMC: Conforms with European Union Directive 89/336/EEC, EN 55011, EN 50082-1, EN 61000-3-2 and 61000-3-3, FCC part 15 class B.

SAFETY: Conforms with European Union Directive 73/23/EEC, EN 61010-1.

DIMENSIONS: 160mm long \times 108mm wide \times 38mm deep ($6\frac{5}{16}$ " \times $4\frac{1}{4}$ " \times $1\frac{1}{2}$ "). PC board is 152mm long \times 102mm wide (6 " \times 4 ").

