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: $<10\mu V$ per contact.

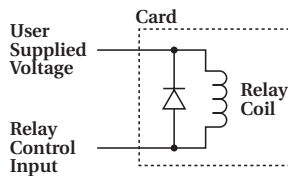**ACTUATION TIME:** 3ms.

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

USER SUPPLIED VOLTAGE: 24V ± 4V DC, 220mA max.

RELAY CONTROL INPUT: Relay Closed: <2.0V.
               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 × 108mm wide × 38mm deep ($6\frac{5}{16}″ \times 4\frac{1}{4}″ \times 1\frac{1}{2}″$). PC board is 152mm long × 102mm wide ($6″ \times 4″$).