

7705

- 300V, 2A capacity
- Two 50-pin female D-sub connectors are standard for secure hook-up and quick teardown
- Relay closures stored in onboard memory

Ordering Information

7705 40-channel, Single-pole Control Module

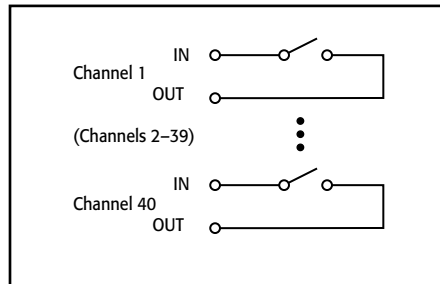
Accessories Supplied

Two mating connectors with solder cup (Model 7788)

40-channel, Single-pole Control Module



The Model 7705 plug-in module offers 40 channels of independent switching. These channels are designed to control power to the DUT and switching loads. They can also directly control light indicators, relays, etc.



INPUTS

MAXIMUM SIGNAL LEVEL: 300VDC or rms, 2A switched, 60W (DC, resistive), 125VA (AC, resistive).

CONTACT LIFE: No Load¹: 10⁸ closures.

At Maximum Signal Levels: 10⁵ closures.

¹ Minimum signal level 10mV, 10μA.

CHANNEL RESISTANCE (per conductor): <1Ω.

CONTACT POTENTIAL: ≤4μV per contact.

OFFSET CURRENT: <100pA.

ACTUATION TIME: 3ms.

ISOLATION: Channel to Channel: >10⁹Ω, <50pF.

Common Mode: >10⁹Ω, <100pF.

CROSSTALK (1MHz, 50Ω load): <-35dB.

INSERTION LOSS (50Ω source, 50Ω load): <0.3dB below 1MHz, <3dB below 10MHz.

COMMON MODE VOLTAGE: 300V between any terminal and chassis.

GENERAL

RELAY SWITCH CONFIGURATION: 40 independent channels of 1-pole switching. Isolated from internal DMM.

CONTACT CONFIGURATION: 1 pole Form A.

RELAY TYPE: Latching electromechanical.

CONNECTOR TYPE: Two 50-pin female D-sub connectors.

FIRMWARE: Specified for Model 2700 rev. A01, 2701 rev. A01, and 2750 rev. A01 or higher.

ENVIRONMENTAL

OPERATING ENVIRONMENT: Specified for 0°C to 50°C.
Specified to 80% R.H. at 35°C.

STORAGE ENVIRONMENT: -25°C to 65°C.

WEIGHT: 0.45kg (1 lb).

ACCESSORIES AVAILABLE

7705-MTC-2 50 Pin Male to Female D-sub Cable, 2m (6.6 ft).

SERVICES AVAILABLE

7705-3Y-EW 1-year factory warranty extended to 3 years from date of shipment

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