

1781 Quad Modules

SPECIFICATIONS

AC output quad modules

Discrete I/O Modules

| INPUT | OA5Q | OM5Q | Units |
|--------------------------|------|------|----------|
| Nominal Input Voltage | 5 | 5 | Vdc |
| Minimum Input Voltage | 4.0 | 4.0 | Vdc |
| Maximum Input Voltage | 6.0 | 6.0 | Vdc |
| Drop Out Voltage | 1.0 | 1.0 | V dc |
| Maximum Input Current | 15 | 15 | mA dc |
| Typical Input Current | 10 | 10 | mA dc |
| Nominal Input Resistance | 240 | 240 | Ω |

| OUTPUT | OA5Q | OM5Q | Units |
|--------------------------------|------|------|--------------|
| Nominal Line Voltage | 120 | 240 | V rms |
| Maximum Line Voltage | 140 | 280 | V rms |
| Minimum Line Voltage | 12 | 24 | V rms |
| Maximum Peak Off-state voltage | 400 | 600 | V peak |
| Maximum Off-state Leakage | 2.5 | 4.5 | mA rms |
| Static Off-state (dv/dt) | 200 | 200 | V/ μ sec |
| Maximum On-state Current* | 3.0 | 3.0 | A rms |
| Minimum On-state Current | 50 | 50 | mA rms |
| Maximum 1-cycle Surge | 100 | 100 | A peak |
| Peak On-state Voltage | 1.6 | 1.6 | V peak |
| Response Time | 0.5 | 0.5 | cycle |

* Derate 40 mA/°C above 20°C. When operating in I/O racks that share a common fuse between two channels, maximum on-state current must not exceed a total of 3.75 A rms @ 20° ambient for both channels.

General specifications

| | |
|-----------------------------|---------------|
| Operating temperature range | -30 to +80°C |
| Storage temperature range | -40 to +100°C |
| Isolation | 4,000 V rms |
| Capacitance input to output | 8 pF |
| Line frequency range | 47 to 63 Hz |

Application notes

- Do not install or remove modules in live (electrically hot) circuits. High voltage may be present.
- Output connections are non-polarized.

