

## xFault – Fault insertion Unit

96 channels

### DESCRIPTION

The xFault unit has break-up and short-circuit functionality for testing abnormal conditions, required when testing robustness and system safety.



### FEATURES

- 96 channels per unit.
- 60V/15A with ability to group channels for higher currents.
- Fault injection: open circuit, short circuit to supply, ground or other channel.
- Over-voltage protection and soft-fuses using temperature monitoring.
- Computer controlled through RS232/RS485 network with open protocol.

### TECHNICAL SPECIFICATION

#### Status indication and measurement point

- All channels are bi-directional for input and output signals.
- All channels are accessible through a standard 2 mm test socket on front panel.

#### Fault injection

- Open circuit (Break-Out).
- Short circuit to ground.
- Short circuit to supply.
- Built-in logic prevents accidental short circuit between supply and ground

#### Computer control functions

- RS232/485 interface.
- Signal status read-out.
- Fault injection operation.

#### Electrical parameters

- Power supply: 24VDC.
- 120V channel isolation.
- Operating voltage range: 60V within -60V to +60V.
- Max continuous current per channel: 15A.
- Max peak current: 100A/1s.
- Parallel connection of channels gives up to 170A.

#### Compliance according to

- RoHS.
- WEEE.
- EN 61010.
- EN 60950.
- IEC 60297.

### ABOUT ALIARO

ALIARO is an established test solution & HIL provider and NI Gold Integration Partner with offices in USA, India, and Sweden. We design modular, flexible, and cost-efficient solutions for testing and HIL that enable customers to work with open and changeable devices where rapid changes are allowed.

**Contact** Aliaro to learn more about how ALIARO can help you increase product quality and accelerate testing timelines.

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