

PDU Power Breaker 48-16

Customizable Power Distribution Unit

Testing laboratories can be located worldwide inside a company or an organization. With our improved PDU Power Breaker 48-16 you can control and follow the testing from all around the world.



What is it

The improved PDU Power Breaker 48-16 is high current power distribution unit for 48VDC power supply line. It has 16 Ethernet controlled power channels and each channel is protected by a circuit breaker. The modules are hot swap modules, and each module can be customized according to customer needs. PDU Power Breaker 48-16 can supply maximum 250A current.

The PDU Power Breaker 48-16 and each switch module can be controlled manually or remotely. The remote monitoring is done with Web UI, or with customer specific PC software.

PDU Power Breaker 48-16 can be integrated into 19" rack units.

Where's the Benefit

The remote control and monitoring of PDU Power Breaker 48-16 is done via web UI, or with a customer specific PC software. You can access your test setup where ever you are.

PDU Power Breaker 48-16 has 16 high current outputs, and each can supply up to 60A current. PDU Power Breaker 48-16 has overcurrent and short circuit protection in each channel. This guarantees that the testing is not interrupted in case of one channel failing.

The plug and play installation into standard 19" rack units makes the set up fast and effective.

PDU Power Breaker 48-16 is ideal for any 48VDC power distribution where high current, circuit protection and remote control are needed.

More information:

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PDU Power Breaker 48-16



Technical Data

Technical Details

- Dimensions (l x d x h)
418x483x130 mm (3U)
- Weight 10.0kg
- Operating temperature -20...+55 oC (-4...+131oF)
- Operating humidity 0-90%
- Supply voltage -36...-60VDC (or +36....+60VDC)
 - Customizable for 12VDC & 24VDC power
- Supply current max 250A
- Outputs 16
- Outputs protected with Circuit Breakers (up to 60A)
- Input Connection Ring Cable Lug – M10
- Controlled by Ethernet Interface

Measurements

- Via Ethernet
 - Temperature measurement
 - Voltage Measurement
 - Current Measurement
 - Total Current monitoring

Features

- Indicator LEDs on each module
 - Power
 - Fault
 - Output
- FAN cooler (controlled by temp sensors)
- Customer specific modules (optional)
 - E.g. DC / DC module

Use Cases

- Remote Web controlled testing systems
- Base station testing from laboratories
- Automotive electrical systems testing
- 48VDC power distribution and circuit protection
- Protection between battery and load

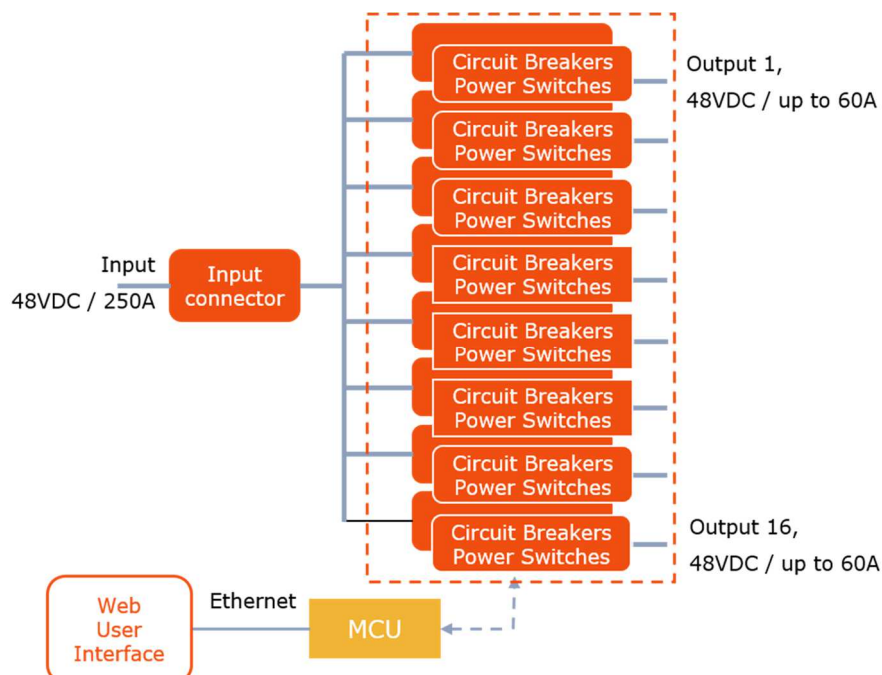
User Interface

- Power Breaker UI
 - Circuit Breaker status

Standards

- ETSI EN 300 386
- ETSI EN 300 019-2-2-2.3.1
- IEC 60068-2-64
- IEC 60069-2-27
- IEC 60068-2-47

Block Diagram



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