Square D Low Voltage Switchboards

A tradition of distinction, with a mission to innovate solutions for tomorrow
Square D™ Switchboards set the standard for the system solutions of today and those of tomorrow by delivering on higher expectations and standards! Square D Switchboards have been setting the standards for electrical distribution systems due to their trusted durable construction and continuous innovative progression that keeps Square D one step ahead of all others. This progression includes integrating power metering and communications capabilities providing direct access to energy management at main and feeder level. This allows for flexibility in developing simple or complex monitoring solutions, as well as future expansion. Square D Low Voltage Custom Switchboards are designed to distribute electrical power and provide a reduced footprint without compromising performance or versatility.

A Solid Foundation
Square D Switchboard ratings offer a robust solution through 5,000 A and 200 kA. Higher feeder ampacities are available with individually mounted branch devices up to 4,000 A.

Innovative but Familiar
The Quick Connect capability allows for a simple and seamless connection when installing. Even though Square D Switchboards continue to become more innovative, the quality and familiarity of the equipment leads the industry.

Efficient Distribution
The I-Line™ distribution section is unique — and popular — for its enhanced safety and ease of installation.

Industry Leading Compact Footprint
Square D Switchboards were designed with the customer in mind. They provide front accessibility that aids in reducing footprint as well as provides convenient access for maintenance.

Designed with the Customer in Mind
Square D Switchboards allow for custom engineering for each line-up such as Main-Tie-Mains, Automatic Transfers, Commercial Multi-Metering, and reduced height configurations.

Network Communications
PowerPact™ circuit breakers with higher functionality, such as energy and power quality metering capabilities, are integrated in the more advanced trip units. Combined with quality PowerPact communication accessories, Micrologic™ trip units also enable circuit breakers to be networked and remotely controlled, leading to substantial savings in electrical system operating costs. Square D Switchboards comply with the requirements explained in the 2014 National Electric Code Section 240.87.
A Mission of Innovative Solutions
Accelerated Engineering Standard Switchboards

To better meet our customer’s tight schedules, our Square D Standard Switchboard is available with Accelerated Engineering, which brings together standard designs for the most frequently requested ratings and options. With Accelerated Engineered Switchboards, on-demand approval drawings and an auto release of the equipment will allow you to stay competitive by simplifying the order process and offering a reduction in ship time. This means the customer will receive their switchboard 2 weeks faster. This allows for a quicker project turnaround for all parties involved, providing a competitive advantage in the industry.

Faster Project Turnaround
Accelerated Engineering Standard Switchboards offer a more responsive, faster and more flexible solution.

- On-demand factory approval drawings
- Auto release of Equipment to manufacturing
- Select designs with premier 4-week lead time
- 24/7 services support
- Customer-focused order process
- Customizable options available

Enclosure Options
Switchboard enclosures are available as Indoor NEMA Type 1 or Outdoor NEMA Type 3R construction.

Standard Solution without the Compromise
Surge Protection
Internally mounted Surgelogic™ surge protective devices in mains section or I-Line interior.

Metering Options
PowerLogic™ Power Meters are available to monitor at main or feeder level.

On-Demand Robust Solution
Accelerated Engineering Standard Switchboards provide expected manufacturing and delivery time without sacrificing the robustness of the solution needed. The maximum rating for these standard switchboards is through 4000 A and 100 kAIC.

Unrestricted Branch Mounting
The unique design of the I-Line single or double row distribution section allows branch circuit breakers the flexibility to mount a 15 A circuit breaker next to a 1,200 A circuit breaker. This presents the opportunity for more effective use of space.
A screwdriver is the only tool you need to install these breakers, which saves valuable installation time.

Metering Down to 15 Amps
PowerPact™ with Micrologic trip units offer the capability to meter energy down to 15 A. Standard trip units provide convenient, local data access through a high visibility front display.
This section supplements Section 26.24.13 10 — Low Voltage Switchboards, unless otherwise noted.

Comply with requirements as follows:

### Standards

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### Switchboard Electrical Ratings:

1. Nominal AC System Voltage: [600 Vac] [480 Vac] [240 Vac] [208 Vac]
2. Maximum Design Voltage: 635 Vac
3. Maximum Short-Circuit Current: 100 kAIR (at 635 Vac)

### Switchboard General Construction:

1. Indoor NEMA 1 Enclosure or Outdoor NEMA 3R Enclosure
2. Fixed or drawout breakers
3. Removable Rear Cover Panels Secured with Captive Screws [Hinged Doors]
For assistance or more information:

- Ask your authorized Schneider Electric Distributor
- Call at 888-SQUARED (888-778-2733)
- Visit www.schneider-electric.com/us