



# Power-Zone 4

## Front Accessible Switchgear



Space has become a scarce commodity in today's growing urban landscapes, yet demand for reliable energy continues to grow. Square D™ Power-Zone™ 4 front-accessible ANSI switchgear by Schneider Electric enables critical facilities to meet layout space challenges without sacrificing reliability.

Power-Zone 4 front accessible switchgear offers the optimum solution for reliable electrical protection and control with an alternative flexible footprint. Customer power connections have been relocated to the front, removing the need for rear access.

### Features and Benefits

#### Flexibility

- 42" depth allows Power-Zone 4 switchgear to be used in more applications
- Suitable to mount against a wall or back to back
- Excellent for e-house applications as it removes the need for outer doors/work platforms resulting in cost savings for the building
- Expand into areas where switchgear previously would not fit
- Wide range of drawout circuit breaker arrangements to optimize footprint

#### Quality and Reliable Construction

- High short circuit/withstand ratings to support critical facilities
- Compartmentalized, maintenance-friendly switchgear with options for arc flash mitigation
- Captive splice and front accessibility speed installation and maintenance
- Industry leading Masterpact™ drawout, stored-energy circuit breaker
- Standard, repeatable designs are factory wired, programmed, and tested in an ISO9001 facility

#### Advanced Technology

- Direct Ethernet circuit breaker connectivity for growing data communication needs
- EcoStruxure™ Power solutions from Schneider Electric to meet energy control and monitoring needs at every level
- Ability to retrofit aging infrastructure with latest smart technology



When space  
is limited...

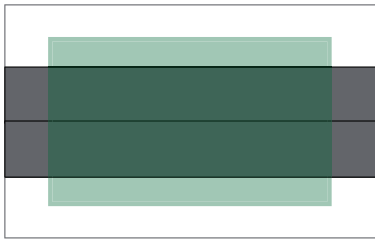
Select Power-Zone 4 switchgear with front-accessible option, which offers maximum footprint flexibility.

[schneider-electric.us/PZ4](http://schneider-electric.us/PZ4)

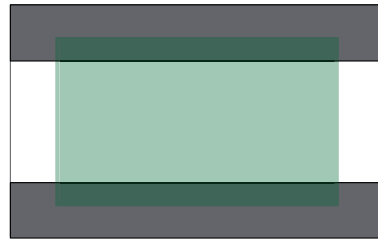
Life Is On

**SQUARE D**™  
by Schneider Electric

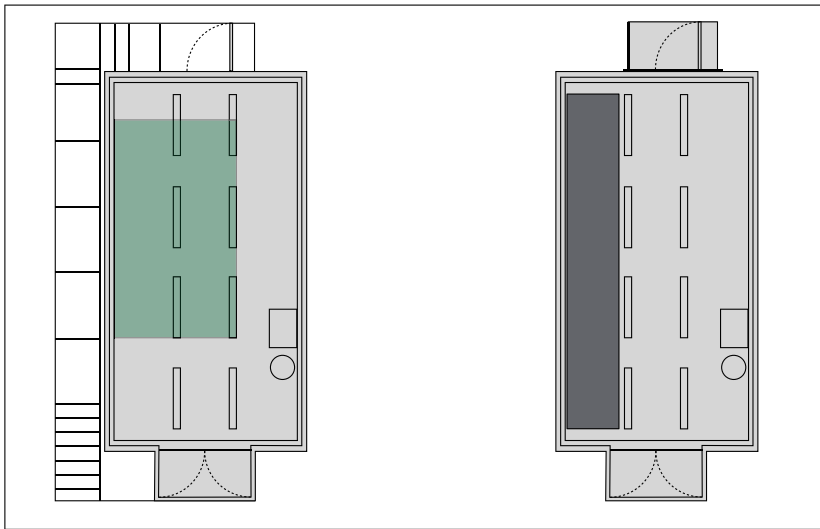
## Economics of Front Accessible Switchgear



Back-to-Back Configuration



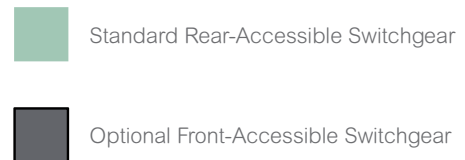
Against the Electrical Room Wall



eHouse or Modular Electrical Enclosure

Flexibility and space savings is what you need when planning a layout with limited space. This can be achieved by using Power-Zone 4 front-accessible switchgear, as shown in this comparison with a traditional line-up, and a line-up with front accessible switchgear:

- Traditional **Rear Accessible** switchgear shown requires 36" aisle ways on all four sides for access and maintenance activities.
- **Front Accessible** switchgear shown requires only front aisleway as all breakers and cable access is in front.
- 37% savings in electrical room square footage was achieved for this typical application.



## Technical Features

- ANSI C37.20.1 Rated. Listed to UL1558 & CSA C22.2, No. 31
- Masterpact stored energy, drawout circuit breaker rated per ANSI C37 and Listed to UL1066
- Sections rated to 3200 A horizontal bus, 3200 A vertical bus
- Incoming mains or tie breakers up to 3200 A
- Feeder circuit breakers to 2000 A
- Bus short circuit ratings up to 100 kA, 635 Vac
- Bus short time rating (60 cycle) up to 100 kA, 635 Vac
- Circuit breaker short circuit ratings up to 100kA @ 508 Vac and 85 kA @ 635 Vac.
- Breaker short time ratings up to 85 kA, 635 Vac
- NEMA Type 1 enclosures
- Single or multiple main options
- 42-inch deep footprint
- Main sections with incoming cable provisions are 26 inches wide
- Main/Tie sections combined with feeders begin at 44 inches wide
- Feeder sections begin at 44 inches wide
- Silver plated bus (tin plated or insulated bus is optional)
- SPDs, high resistance grounding resistor/controls, communication networking and PowerLogic power meters/monitors are available
- A circuit breaker floor crane is available.

### Typical Layouts



**Single Main, Top Incoming Cable 70" W X 42" D total**

- 26" W 3200 A Main
- 44" W (3) 800 A Feeder Sections

**Double-ended, Main-Tie-Main, 240" W x 42" D total**

From Left to Right:

- Section 1 – Single section 3200 A 4W Main with Top Incoming Cable Lugs (26" W)
- Section 2 – 800-1600 A Feeders (44" W)
- Section 3 – 800-2000 A Feeders (52" W)
- Section 4 – Two 1600 A Feeders with 3200 A Tie Breaker below (52" W)
- Section 5 – 3200 A 4W Main with Bottom Incoming Cable Lugs and 800 A feeders above (66" W)



## Power-Zone 4 Front Accessible Switchgear

For critical power applications in tight spaces and small places.



For more information, go to:

[schneider-electric.us/pz4](https://www.schneider-electric.us/pz4)

Schneider Electric USA, Inc.

800 Federal Street  
Andover, MA 01810  
888 SQUARED (888-778-2733)

[www.schneider-electric.us](https://www.schneider-electric.us)

September 2018

Document Number 6037HO1801

Life Is On

**SQUARE D**  
by Schneider Electric