ABB ReliaGear® SB Commercial Metering Switchboards

Power What Counts

ENGINEERED
TO OUTRUN

© 2026 ABB. All rights reserved.

01

Features & Benefits

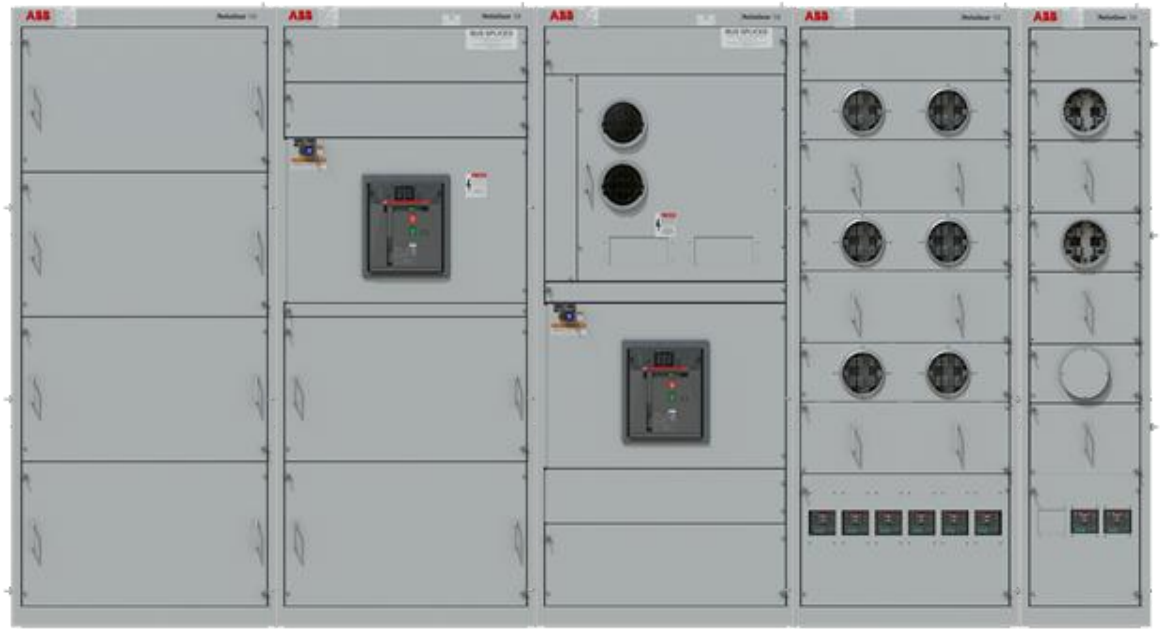
What makes ReliaGear® SB stand out

Features & Benefits

ABB ReliaGear® SB Commercial Metering Switchboards

FEATURES

- UL listed, EUSERC compliant
- 208Y/120 V AC & 480Y/277 V AC
- 65 or 100 kAIC ratings
- 800, 1000, 1200, 1600, 2000, 2500, 3000 or 4000 A
- ReliaGear® SB bus design with captive splice plates
- Copper or aluminum bus
- Front access design
- NEMA 1 or 3R enclosures (35" / 46" depth)
- Space heater and SPD options available
- Ground fault protection
- Reduced energy let-through (RELT) maintenance switch
- Field kits for circuit breakers and meter sockets



© 2026 ABB. All rights reserved.

Features & Benefits

ABB ReliaGear® SB Commercial Metering Switchboards

Speed to Market

Faster approvals and utility acceptance with a configured-to-order approach

Standardized design speeds quoting and project execution

Fast cycle time from factory

Easy Installation & Maintenance

Proven bus design and captive-hardware splice plates simplify installation

Front-access design makes installation and maintenance easier

Smaller footprint than previous generation maximizes electrical room space

Application Flexibility

Supports large-tenant applications up to 4,000A

Copper and aluminum options provide application flexibility

© 2026 ABB. All rights reserved.

02

Section Types

Available configurations and key specifications

Section Types

Underground Pull Section

- Bottom feed
- Incoming location: left, center, or right
- Copper or aluminum bus
- NEMA 1 or 3R enclosure

© 2026 ABB. All rights reserved.

Section Types

Half-Height Pull Section with Main Circuit Breaker

Up to 1200A

- Tmax® XT7 (800–1200 A) circuit breakers
- Device padlocking
- Service entrance barriers
- Reduced energy let-through (RELT) maintenance switch

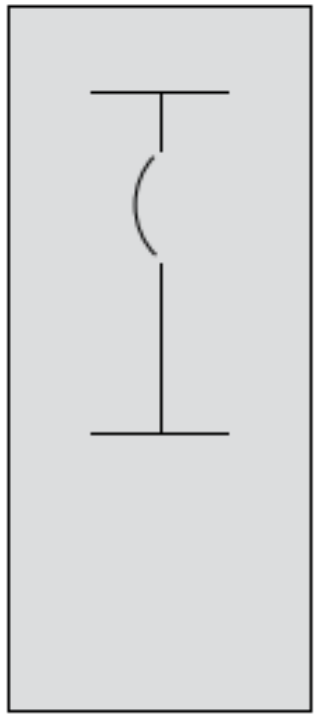
Up to 2000A

- Emax 2 or Emax 3 (1200–2000A) circuit breakers
- Device padlocking
- Service entrance barriers
- Reduced energy let-through (RELT) maintenance switch

© 2026 ABB. All rights reserved.

Section Types

Main Disconnect



- Tmax® XT7 (800–1200 A) circuit breakers
- Emax 2 or Emax 3 circuit breakers (1200–4000 A)
- Device padlocking
- Reduced energy let-through (RELT) maintenance switch
- Equipment ground fault protection

© 2026 ABB. All rights reserved.

Section Types
Submain

- Tmax® XT7 (800–1200 A) circuit breakers
- Emax 2 or Emax 3 (1200–4000 A) circuit breakers
- Device padlocking
- RELT maintenance switch
- Equipment ground fault protection
- EUSERC utility main intermix

© 2026 ABB. All rights reserved.

Section Types

Unmetered Disconnect

- Tmax® XT7 (800–1200 A)
- Emax 2 or Emax 3 (1200–4000 A)
- Device padlocking
- RELT maintenance switch
- Equipment ground fault protection
- Bottom exit

© 2026 ABB. All rights reserved.

Section Types
Fire Pump Tap

Fire Pump Tap – Metered

- 800 A or 1000A ratings
- Bottom exit
- 35” width

Fire Pump Tap – Unmetered

- 800 A or 1000A ratings
- Bottom or top exit
- 15” width

© 2026 ABB. All rights reserved.

Section Types

Large Tenant Metering

- Tmax® XT7 (800–1200 A) or Emax 2 or Emax 3 (1200–4000 A)
- Device padlocking
- RELT maintenance switch
- Equipment ground fault protection
- Bottom exit

© 2026 ABB. All rights reserved.

Section Types

Small Tenant Metering

- 3-pack or 6-pack configurations
- Hot sequence wiring
- Tenant disconnects: Tmax® XT4
- 100 A or 200 A options
- Factory pre-wired provisions for field kits
- Ring type sockets, bottom exit
- Available up to 65 kAIC

© 2026 ABB. All rights reserved.

Section Types
Distribution Panel

- ReliaGear® neXT plug-in circuit breakers up to 1200A
- Up to 40X mounting space per side
- Bottom or top exit

© 2026 ABB. All rights reserved.

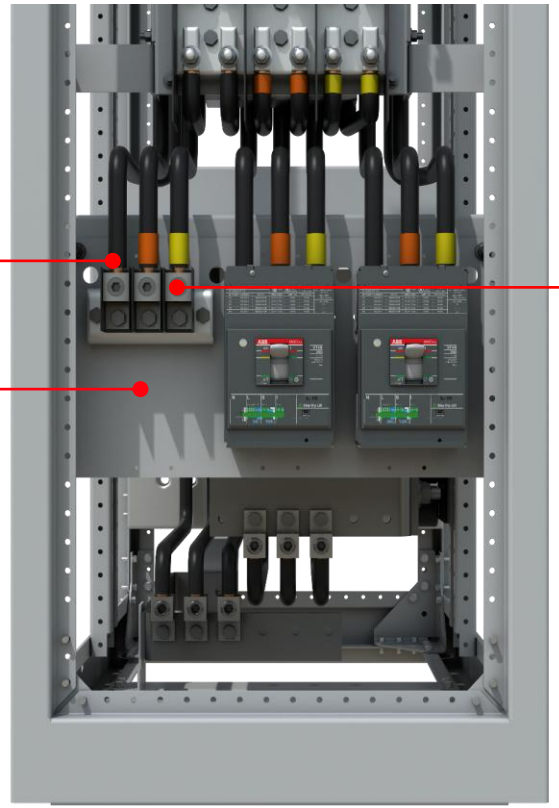
03

Field-Installable Kits

Provisions for future tenant additions

Field-Installable Kits

Provisions for Small Tenant Additions



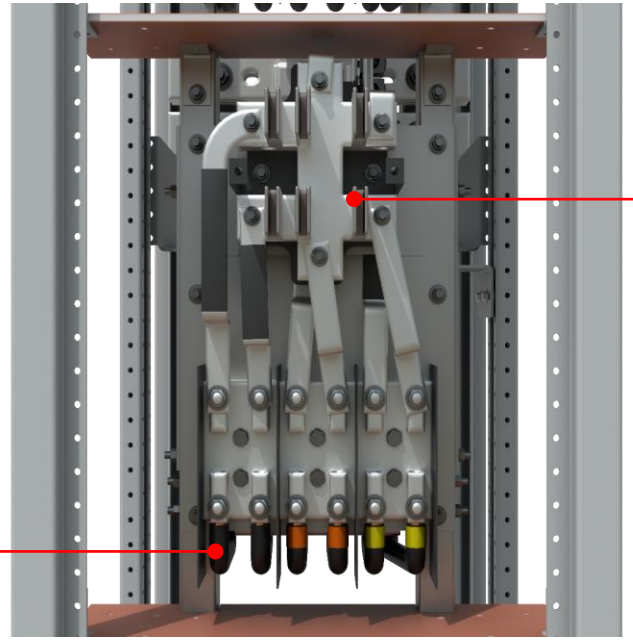
Circuit breaker space

- Switchboard delivered pre-wired with temporary termination lugs to a meter socket space
- Fits a circuit breaker kit with Tmax® XT4 in 100 A or 200 A (sold separately)

© 2026 ABB. All rights reserved.

Field-Installable Kits

Provisions for Small Tenant Additions



Meter socket space

- Provides provision for 100 A or 200 A meter sockets
- Connections pre-wired to the circuit breaker and bus

© 2026 ABB. All rights reserved.

Adding a Metered Small Tenant

Step-by-step installation process & catalog numbers

INSTALLATION STEPS

Step 1

Verify meter socket provision and circuit breaker provision are available in the switchboard

Step 2

Select the meter socket kit needed (100 A or 200 A) from the **Field-installable kits** table

Step 3

Select the circuit breaker installation kit using the part number in the **Field-installable kits** table

Step 4

Purchase the Tmax® XT4 LS/I circuit breaker matching the rating, voltage, and bracing of the switchboard from the **TMAX® XT4 tenant circuit breakers available in stock** table

Step 5

Add lug kit for circuit breaker (order qty 2): KXT4CUAL2C-3PC

FIELD-INSTALLABLE KITS

Catalog Numbers	Description
1SQA019816R0001	Tmax® XT circuit breaker installation kit
1SQA019817R0001	200 A rated meter socket kit
1SQA019818R0001	100 A rated meter socket kit

TMAX® XT4 TENANT CIRCUIT BREAKERS AVAILABLE IN STOCK

Voltage	Breaking capacity	Rating	Catalog Numbers	Description
208/120 V	65 kA	100 A	XT4NU3150EFF000XXX	XT4 150 A Ekip DIP LS/I
208/120 V	65 kA	200 A	XT4NU3250EFF000XX	XT4 250 A Ekip DIP LS/I
480/277 V	65 kA	100 A	XT4HU3150EFF000XXX	XT4 150 A Ekip DIP LS/I
480/277 V	65 kA	200 A	XT4HU3250EFF000XX	XT4 250 A Ekip DIP LS/I

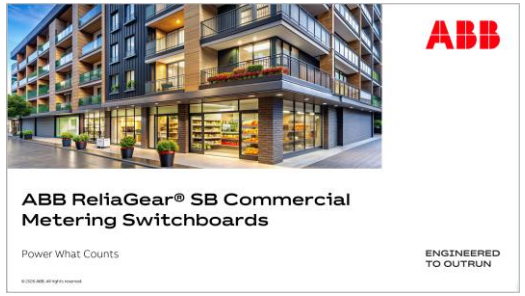
Note: DIP switch settings — 100 A = 0.67 | 200 A = 0.8

© 2026 ABB. All rights reserved.

ReliaGear® SB Commercial Metering Switchboards

Marketing resources available

Presentations

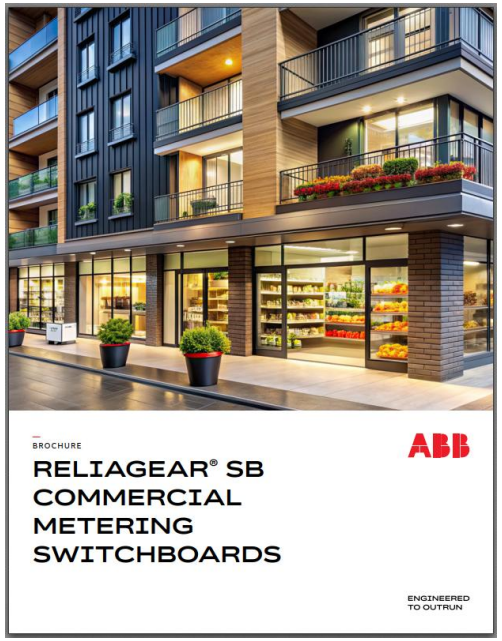


Sales Product Presentation

E-learning

Commercial Metering Switchboards

Marketing documents



Commercial Metering Brochure

ABB Buylog – Switchboards

Online websites

- ABB ReliaGear SB Commercial Metering Switchboards
- ABB Metering Switchboards
- ABB ReliaGear SB Switchboards

© 2026 ABB. All rights reserved.

ABB