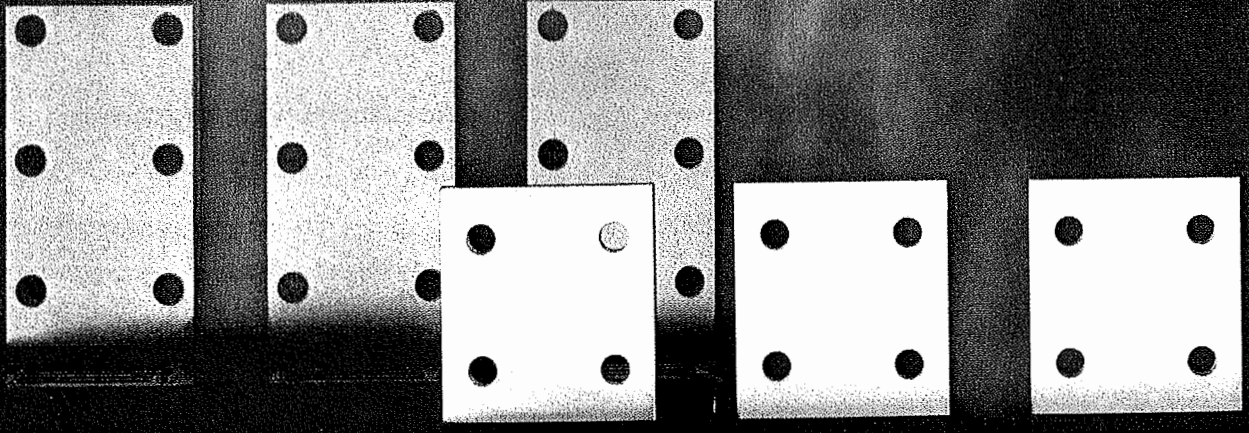




Power Break® II Insulated Case Circuit Breakers

800-4000A Frame



Power Break® II

HI-BREAK CIRCUIT BREAKER
C.A. 101 CH. 1010 1000 1000
SERIAL NO. 175590001
5000AIP MAX. 400V AC
3P/3C
DATED PLUG TYPE T1E3C0

INTERRUPTING CAPACITY
P1615 575V 50MVA

VOLTS KA
240 200
480 150
600 75

SHUNT TRIP MATHFD
42 KA 1/2 SEC. E545-

ON

EXPLOSION PROOF

PUSH OFF

Power Break® II

HI-BREAK CIRCUIT BREAKER
C.A. 101 CH. 1010 1000 1000
SERIAL NO. 175590001
5000AIP MAX. 400V AC
3P/3C
DATED PLUG TYPE T1E3C0

INTERRUPTING CAPACITY
P1615 575V 50MVA

VOLTS KA
240 200
480 150
600 75

SHUNT TRIP MATHFD
42 KA 1/2 SEC. E545-

EXPLOSION PROOF

ON

CHARGED

PUSH OFF

Power Break® II

HI-BREAK CIRCUIT BREAKER
C.A. 101 CH. 1010 1000 1000
SERIAL NO. 175590001
5000AIP MAX. 400V AC
3P/3C
DATED PLUG TYPE T1E3C0

INTERRUPTING CAPACITY
P1615 575V 50MVA

VOLTS KA
240 200
480 150
600 75

SHUNT TRIP MATHFD
42 KA 1/2 SEC. E545-

New Dimensions in Easy-to-Use, Heavy-Duty Circuit Protection.

Power Break® II

HI-BREAK CIRCUIT BREAKER
C.A. 101 CH. 1010 1000 1000
SERIAL NO. 175590001
5000AIP MAX. 400V AC
3P/3C
DATED PLUG TYPE T1E3C0

INTERRUPTING CAPACITY
P1615 575V 50MVA

VOLTS KA
240 200
480 150
600 75

SHUNT TRIP MATHFD
42 KA 1/2 SEC. E545-

Introducing the highest level of flexibility, now for higher levels of power – from 800 to 4,000 Amps.

Power Break® II Insulated Case Circuit Breakers

The insulated case circuit breaker – GE Industrial Systems pioneered the design, and created the name, over 25 years ago. And now GE Industrial Systems introduces the new, expanded family of Power Break II Insulated Case Circuit Breakers, offering reliable, flexible, easy-to-use circuit protection in three frame sizes up to 4,000 Amps.

Featuring an all-new 2000A compact design – up to 40% smaller than before. Power Break II circuit breakers conserve valuable space, while offering a new dimension of power and flexibility to meet specific user needs.

Greater convenience and operational safety.

- All controls and status indicators are readily accessible.
- Controls double-insulated from live components.
- A standard padlock device prevents accidental or unauthorized energizing of the breaker.

Universal drop-in accessories for quick, error-free installation.

- Install in seconds.
- No special tools.
- No breaker disassembly.
- Modules are universal across all frame sizes, and mechanically keyed to compartments.

Two choices of advanced, solid-state trip units.

- Power Break II *Enhanced* MicroVersaTrip Plus™ and MicroVersaTrip PM™ Trip Units.
- Simple keypad for set up and display.
- MicroVersaTrip PM Trip Units integrate with GE POWER LEADER™ Power Management System.
- Allows viewing of standard meter parameters, pickup alarms and trip target indications.

*Stationary 4000A is 80% rated.

Compact design through 4,000 amperes

- Permits high-density switchboard stacking
- 100% rated*

Optional mechanical operations counter

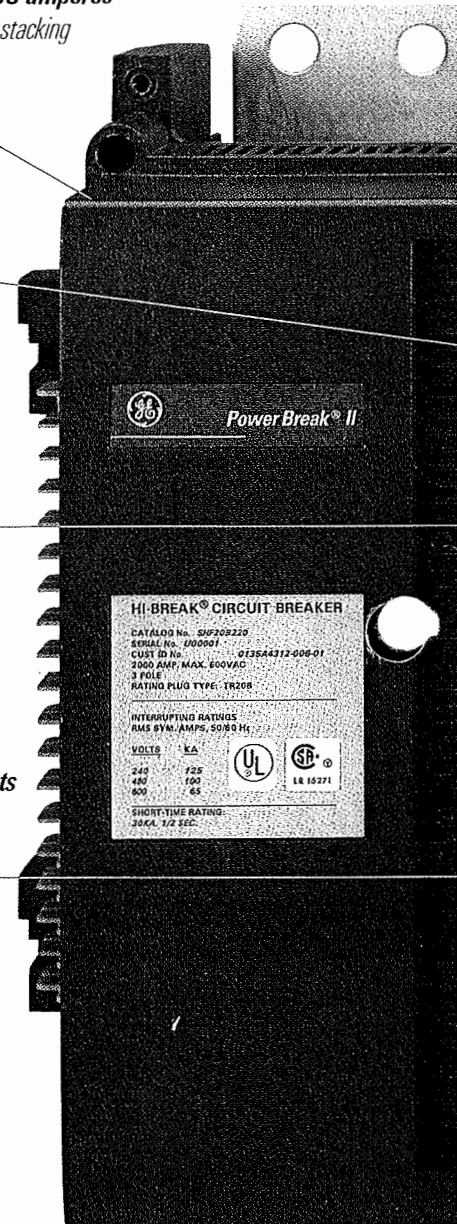
- Field installable
- At-a-glance viewing of number of operations

Easy-to-read indicators

- ON/OFF
- CHARGED/DISCHARGED

Buttons are double insulated from live components

- Positioned on the breaker to meet NEC 380-8 for accessibility when breakers are in topmost switchboard compartments



2,000A Power Break II circuit breaker, stationary version shown

Padlock device (standard)

- Accepts up to three 3/8" diameter padlocks
- Prevents unauthorized or accidental energizing of breaker

Highly visible target indicators/reset buttons are easily accessible

- For bell alarm and bell alarm with lockout

Dedicated secondary terminals

- Same wiring scheme on stationary and drawout breakers
- Pre-wired with quick-disconnect receptacles for field installation of motor operator and auxiliary switches
- Total of 72 connection points including POWER LEADER™ Power Management System connections
- 600 Vac maximum rated
- UL Listed terminals suitable for ring or spade-type connectors (two 14 AWG per terminal)
- Quick-disconnect plug available for drawout versions
- Large, easy write-on labels

Sealable door provides added security

- For drop-in accessories, trip unit settings and rating plug

Choice of MicroVersaTrip Plus™ and PM™ Trip Unit with keypad and display or Power+™ Trip Unit¹ with rotary knobs

Interchangeable rating plug and test jack accessible through door

- Available in a wide range of ampacities

Compact, modular motor operator

- Field installable
- Internal mounting does not change breaker envelope size

Stored energy mechanism

- Charge-after-close feature provides rapid open-close-open sequencing
- Kiss-free mechanism*
- Anti-pump feature
- Pump handle flush with front of breaker
- Durable mechanism provides 10,000 or more operations without maintenance
- Electrically insulated from live components

* Breaker is kiss-free when: a UVR is de-energized, a shunt trip with lockout is energized or a bell alarm with lockout is activated but not reset.

¹For availability of Power+™ Trip Unit, contact your GE Industrial Systems Sales Engineer.

Introducing the highest level of flexibility, now for higher levels of power – from 800 to 4,000 Amps.

Power Break® II Insulated Case Circuit Breakers

The insulated case circuit breaker – GE Industrial Systems pioneered the design, and created the name, over 25 years ago. And now GE Industrial Systems introduces the new, expanded family of Power Break II Insulated Case Circuit Breakers, offering reliable, flexible, easy-to-use circuit protection in three frame sizes up to 4,000 Amps.

Featuring an all-new 2000A compact design – up to 40% smaller than before. Power Break II circuit breakers conserve valuable space, while offering a new dimension of power and flexibility to meet specific user needs.

Greater convenience and operational safety.

- All controls and status indicators are readily accessible.
- Controls double-insulated from live components.
- A standard padlock device prevents accidental or unauthorized energizing of the breaker.

Universal drop-in accessories for quick, error-free installation.

- Install in seconds.
- No special tools.
- No breaker disassembly.
- Modules are universal across all frame sizes, and mechanically keyed to compartments.

Two choices of advanced, solid-state trip units.

- Power Break II *Enhanced* MicroVersaTrip Plus™ and MicroVersaTrip PM™ Trip Units.
- Simple keypad for set up and display.
- MicroVersaTrip PM Trip Units integrate with GE POWER LEADER™ Power Management System.
- Allows viewing of standard meter parameters, pickup alarms and trip target indications.

*Stationary 4000A is 80% rated.

Compact design through 4,000 amperes

- Permits high-density switchboard stacking
- 100% rated*

Optional mechanical operations counter

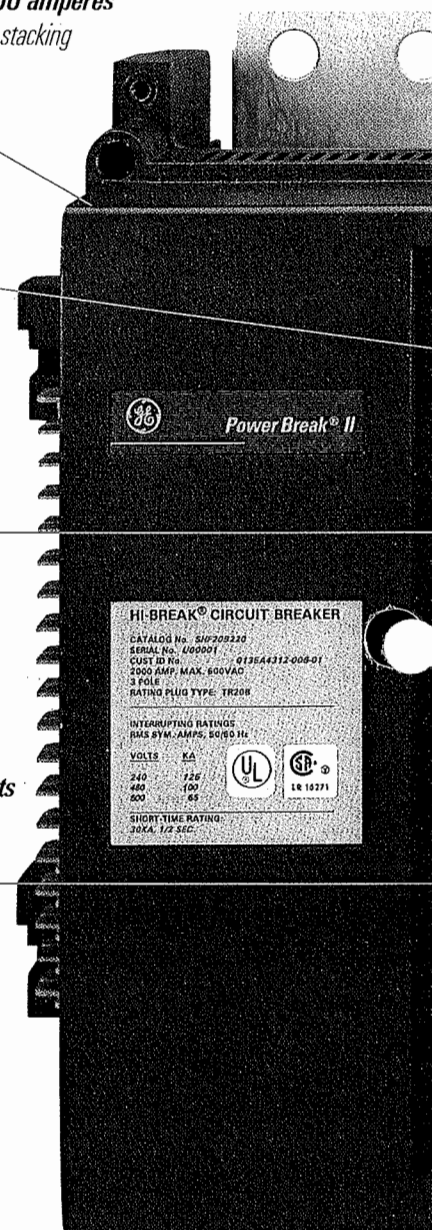
- Field installable
- At-a-glance viewing of number of operations

Easy-to-read indicators

- ON/OFF
- CHARGED/DISCHARGED

Buttons are double insulated from live components

- Positioned on the breaker to meet NEC 380-8 for accessibility when breakers are in topmost switchboard compartments



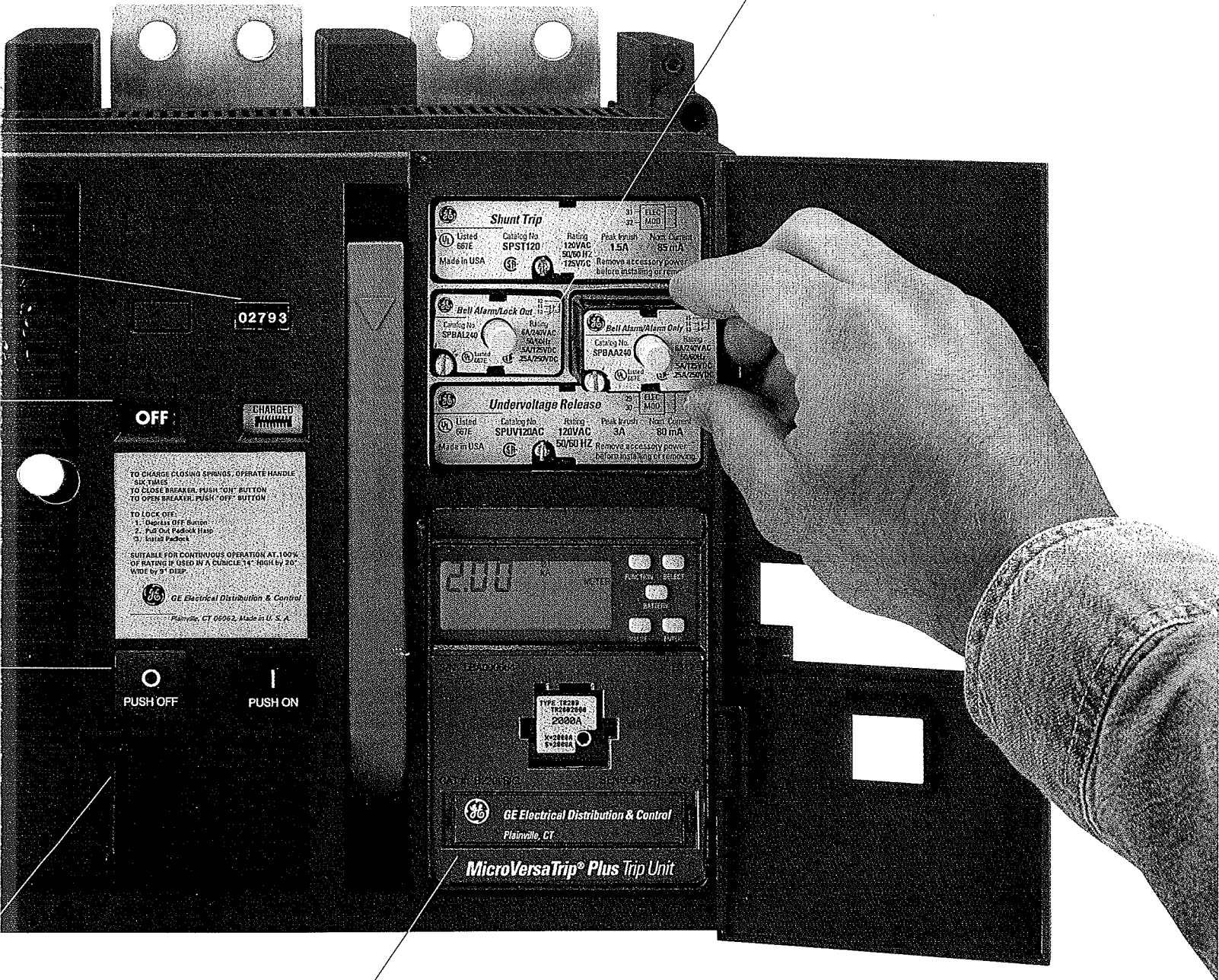
2,000A Power Break II circuit breaker, stationary version shown

Padlock device (standard)

- Accepts up to three 3/8" diameter padlocks
- Prevents unauthorized or accidental energizing of breaker

Modular drop-in accessories common to all frame sizes

- UL Listed
- Install in seconds without special tools, breaker disassembly or adjustment



**Power Break II Enhanced MicroVersaTrip Plus™
and MicroVersaTrip PM™ Trip Units**

- UL Listed
- Non-volatile trip targets
- Field interchangeable MicroVersaTrip Plus or PM Trip Units
- Cold setup capability

Power Break® II Insulated Case Circuit Breakers



Power Break II circuit breakers offer compact, digital protection with modular flexibility in frame sizes from 800-4,000 Amps.

Specifications

- Rated for up to 200,000 amperes RMS symmetrical for 240 Vac without fuses
- 2 envelope sizes cover 800-4000A range
- 3-cycle closing time
- Drawout and stationary versions
- UL 489 Listed, CSA C22.2 No. 5.1 Certified, NEMA Rated, IEC 947-2, NOM Certified

Interrupting Rating Breaker Performance in RMS Symmetrical kA

UL 489 50/60Hz	Frame Size			
	800A	1600-2000A	2500-3000	4000A
Standard				
240V	65	85	100	100
480V	65	65	100	100
600V	50	50	85	85
Hi-Break®				
240V	100	125	200	200
480V	100	100	150	150
600V	65	65	100	100
Short Time (0.5 sec.)	25	40	42	42
IEC 947-2 Ratings 415V, 50/60 Hz				
Icu	-	56	75 ¹	85
Ics	-	75	45 ¹	25
Icw (1 sec)	-	40	50 ¹	50

¹Requires 4000A construction

Key Features

- Compact, lightweight design – 4 frame sizes
- Modular, drop-in accessories common to all frame sizes
- Flush-mounted pump handle
- Manually and electrically operated versions in same compact envelope
- Double-insulated ON/OFF buttons
- 72-point pre-wired, dedicated secondary terminals
- Modular, field-installable motor operator
- Choice of Power+™ Trip Unit², MicroVersaTrip Plus™ or MicroVersaTrip PM™ trip units – field interchangeable, UL Listed. Battery included for target viewing
- MicroVersaTrip Plus and MicroVersaTrip PM trip units have LCD displays to identify type of trip including shunt trip, UVR and ground fault. Battery included for cold set up
- MicroVersaTrip PM trip units are compatible with POWER LEADER™ Power Management System
- Modular auxiliary switches with up to 12 NO/NC sets of contacts
- Tested to more than 10,000 operations
- Manual discharge of springs without closing
- Charge-after-close mechanism
- Suitable for reverse feed

Accessories

- Motor operator with remote solenoid
- Auxiliary switches (12 stage maximum)
- Undervoltage release module
- Shunt trip and shunt trip lockout modules
- Bell alarm module (alarm only)
- Bell alarm with lockout module
- Mechanical operations counter
- Kirk Key locks (4 maximum)
- Remote close solenoid
- Limited access ON/OFF cover

For additional information contact your local GE Industrial Systems Sales office or refer to publications DET-049, GET-8052, GEP-066.

²For availability of Power+ Trip units, contact your GE Industrial Systems Sales Engineer.



GE Electrical Distribution & Control

General Electric Company
41 Woodford Ave., Plainville, CT 06062
© 2000 General Electric Company

DEA-013C 0800 MA