



Westinghouse Electric Corporation
 Low Voltage Breaker Division
 Beaver, Pennsylvania 15009

Technical Data
 29-121

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October, 1976
 Supersedes Technical Data 29-820 T WE A
 pages 1-4, dated October, 1975.
 Mailed to: E, D, C/1901, 1923, 1929/PL

600, 1200, 2000, 2500 and 3000
 Continuous Amperes,
 240, 480, 600 volts Ac

SCB-II Systems Circuit Breakers

SCB-II Systems Circuit Breakers

250-3000 Amperes,
 600 Volts Ac
 3 Poles Only

Listed with Underwriter's Laboratories, Inc.
 except as noted.

Interrupting Ratings - UL Listed

Breaker Designation	Max. Frame Size, Cont. Amps	Interrupting Capacity	
		Asymmetrical Amperes	Symmetrical Amperes

240 Volts Ac

SPCB-600	600	75,000 [Ⓢ]	65,000 [Ⓢ]
SPCB-1200	1200	75,000	65,000
SPCB-2000	2000	150,000	125,000
SPCB-2500	2500	150,000	125,000
SPCB-3000	3000	150,000	125,000

480 Volts Ac

SPCB-600	600	40,000 [Ⓢ]	35,000 [Ⓢ]
SPCB-1200	1200	58,000	50,000
SPCB-2000	2000	115,000	100,000
SPCB-2500	2500	115,000	100,000
SPCB-3000	3000	115,000	100,000

600 Volts Ac

SPCB-600	600	30,000 [Ⓢ]	25,000 [Ⓢ]
SPCB-1200	1200	30,000	25,000
SPCB-2000	2000	115,000	100,000
SPCB-2500	2500	115,000	100,000
SPCB-3000	3000	115,000	100,000

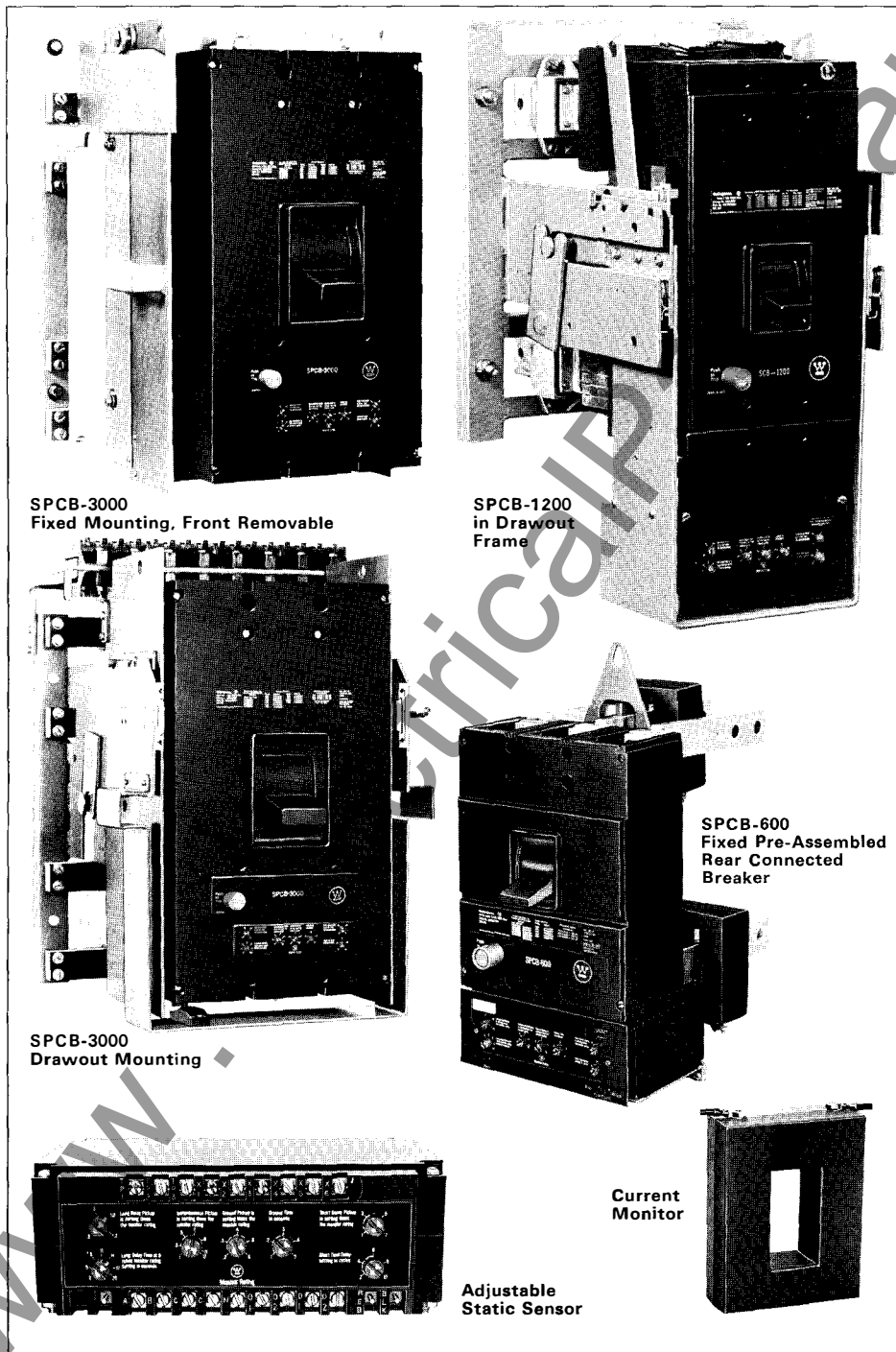
[Ⓢ] Changed since previous issue.

How to Order

1. Specify quantity.
2. Give following information on breaker:
 Type
 Continuous Current Rating
 Volts
 Phase, No. of Wires, Frequency
3. Select desired modifications and/or accessories.
4. Ordering example: One (1) Type SPCB-2000, 1600 amperes, 240 volts Ac, 3 phase, 4 wire, 60 Hz fixed mounting with rear connectors. Motor operator for 120 volts Ac, 60 Hz.
5. Complete work sheet, Form 44440, and submit with order.

List Prices

See Price List 29-020 P WE A
 Discount SCB-1



SPCB-3000
 Fixed Mounting, Front Removable

SPCB-1200
 in Drawout
 Frame

SPCB-3000
 Drawout Mounting

SPCB-600
 Fixed Pre-Assembled
 Rear Connected
 Breaker

Current
 Monitor

Adjustable
 Static Sensor

Selection Data – 250-3000 Amps, 600 Volts Ac. 3 Poles Only
List Prices: See Price List 29-020 P WE A Discount Symbol SCB-1

Fixed Mounting Breakers, Standard Rear Connected^③

List Price Includes: Breaker frame with trip unit and flux transfer shunt trip^⑤; current monitors; static sensor with adjustable long time delay and instantaneous pick-up, push-to-trip button, rear bus connectors.

Breaker Type	Mounting	Operation	Continuous Current Rating, Amperes
⑤SPCB-600	Fixed ^⑤	Manual	250, 400 and 600
⑤SPCB-1200	Fixed ^⑤	Manual	250, 400, 600, 800, 1000 and 1200
⑤SPCB-2000	Fixed	Manual	600, 800, 1000, 1200, 1600 and 2000
⑤SPCB-2500	Fixed	Manual	2500
⑤SPCB-3000	Fixed	Manual	3000

Fixed Mounting Breakers With Front Removable Mounting Frame^③

List Price Includes: Breaker frame with trip unit and flux transfer shunt trip^⑤; current monitors; static sensor with adjustable long time delay and instantaneous pick-up, push-to-trip button, and front removable mounting frame. Stationary portion of mounting frame may be ordered separately.

Breaker Type	Mounting	Operation	Continuous Current Rating, Amperes
⑤SPCB-2000	Fixed Front Removable	Manual	600, 800, 1000, 1200, 1600, 2000
⑤SPCB-2500	Fixed Front Removable	Manual	2500
⑤SPCB-3000	Fixed Front Removable	Manual	3000

Drawout Mounting Breakers^③

List Price Includes: Breaker frame with trip unit and flux transfer shunt trip^⑤; current monitors; static sensor with adjustable long time delay and instantaneous pick-up; push-to-trip button, complete drawout frame. Shipped as two items, movable and stationary parts. Breaker frame, static sensor and current monitor attached and wired up to movable portion. Secondary contacts supplied as required at no extra charge. Stationary portion may be ordered separately.

Breaker Type	Mounting	Operation	Continuous Current Rating, Amperes
⑤SPCB-600	Drawout	Manual	250, 400 and 600
⑤SPCB-1200	Drawout	Manual	250, 400, 600, 800, 1000, 1200
⑤SPCB-2000	Drawout	Manual	600, 800, 1000, 1200, 1600, 2000
⑤SPCB-2500	Drawout	Manual	2500
⑤SPCB-3000	Drawout	Manual	3000

Stationary Portion of Front Removable Mounting Frame, or Drawout Frame Only for Future Breaker Installations – Order by Description

For Breaker	Stationary Portion of Front Removable Mounting Frame Only ^⑥	Stationary Portion of Drawout Frame Only ^{⑥⑦}
⑤SPCB-600	Available
⑤SPCB-1200	Available
⑤SPCB-2000	Available	Available
⑤SPCB-2500	Available	Available
⑤SPCB-3000	Available	Available

Optional Adjustable Static Sensors (Refer to Description Top Right)

Sensor Style Number						Long Time Delay	Short Time Delay	Instantaneous Trip	Ground Fault Trip	Ground Trip Indicator	Instantaneous Trip Indicator
SPCB-600	SPCB-1200	SPCB-2000 With Up to 1600 Amp Monitor	SPCB-2000 With 1800 or 2000 Amp Monitors	SPCB-2500	SPCB-3000						
2607D84G01	2607D84G01	2607D84G01	2607D84G01	2607D84G01	2607D84G01	X	--	X	--	--	--
2607D84G07	2607D84G07	2607D84G39	2607D84G02	2607D84G31	2607D84G06	X	--	X	X	--	--
2607D84G08	2607D84G03	2607D84G03	2607D84G03	2607D84G08	2607D84G08	X	X	--	--	--	--
2607D84G30	2607D84G26	2607D84G45	2607D84G04	2607D84G37	2607D84G27	X	X	--	X	--	--
2607D84G10	2607D84G10	2607D84G40	2607D84G05	2607D84G32	2607D84G09	X	X	X	X	--	--
2607D84G17	2607D84G17	2607D84G41	2607D84G12	2607D84G33	2607D84G16	X	--	X	X	X	--
2607D84G24	2607D84G29	2607D84G46	2607D84G14	2607D84G38	2607D84G28	X	X	--	X	X	--
2607D84G20	2607D84G20	2607D84G43	2607D84G15	2607D84G35	2607D84G22	X	X	X	X	X	--
2607D84G18	2607D84G18	2607D84G42	2607D84G13	2607D84G34	2607D84G21	X	--	X	X	X	X
2607D84G19	2607D84G19	2607D84G44	2607D84G25	2607D84G36	2607D84G23	X	X	X	X	X	X
2607D84G11	2607D84G11	2607D84G11	2607D84G11	2607D84G11	2607D84G11	X	X	X	--	--	--

Optional Adjustable Static Sensor

These sensors are optional, at the price addition shown in 29-020 P WE A, in place of the one included with the breaker. Prices shown list style number and description of sensor required. Sensor units with circuitry providing indication of tripping due to Ground Fault or Instantaneous, require 120/60 control power, a 120 volt indicating light, and a single pole switch to reset the circuit. Light and switch must be ordered separately, or supplied by user. See below.

Indicator Light and Reset Button Kits^④

Ground Trip Indicator Kit
 Style No. 766A374G03

Instantaneous Trip Indicator Kit
 Style No. 766A374G04

- ② Not listed with Underwriter's Laboratories, Inc.
- ③ 2000, 2500 and 3000 amp. frames must be used in a ventilated enclosure.
- ④ For use with special sensors listed below with Ground Trip or Instantaneous Trip Indicator circuitry.
- ⑤ U/L listed for application at 100% of rating.
- ⑥ When ordering breaker with movable portion only for use with previously installed stationary portion deduct the list price of stationary portion from complete breaker with mounting frame or drawout frame list price.
- ⑦ Secondary contacts when required for motor operator or other attachment must be specified and factory mounted on stationary mounting frame when it is ordered separately.
- ⑧ On 2000, 2500, 3000 amp units the sensor and monitors are mounted inside the breaker frame.
- ⑨ The standard fixed mounted 600 and 1200 ampere units have the frame, sensor, monitors and rear connectors pre-assembled to mounting brackets, wired and tested as a unit at the factory. If specified, they can be supplied as unassembled components as standard units were formerly supplied.



Modifications

List Prices: See Price List 29-020 P WE A
Discount Symbol: SCB-1

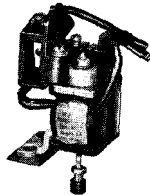
Modifications are available as listed below. Only one modification marked ② can be installed.

Racking Crank

A special crank to engage or withdraw the moving portion of the drawout; however, a standard 1/2 inch hex socket with extension can be used for this purpose.
Style No. 765A767G01

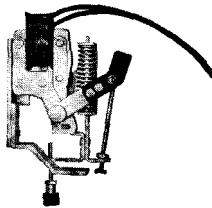
Shunt Trip②

(Specify voltage and frequency)



Availability: SPCB-600, 1200, 2000, 2500 and 3000.

Undervoltage Release②



Availability: SPCB-600, 1200, 2000, 2500 and 3000

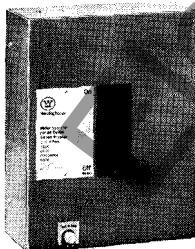
Alarm Switch②⑤

(Specify make or break contacts)
Availability: SPCB-600, 1200, 2000, 2500 and 3000

Motor Operator③

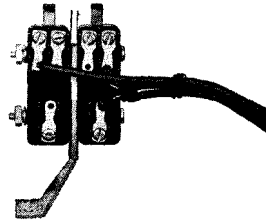
Availability: SPCB-600, 1200, 2000, 2500 and 3000

On-Off/reset cover-mounted pushbutton can also be furnished.



- ② Only one modification marked ② can be installed.
- ③ Not Underwriter's Laboratories, Inc. listed.
- ④ Separate selling price: included with frame at no charge.
- ⑤ Not field mountable.
- ⑥ For use only on SPCB breakers manufactured after first quarter 1975 using new style series 2607D84 sensor units.

Auxiliary Contacts②

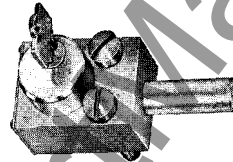


2 Contacts (1 "A", 1 "B") SPDT Switch
Availability: SPCB-600, 1200, 2000, 2500 and 3000

4 Contacts (2 "A"'s, 2 "B"'s) DPDT Switch
Availability: SPCB-600, 1200, 2000, 2500 and 3000

Key Interlock⑤

Mounted on breaker, cannot be used with motor operator.

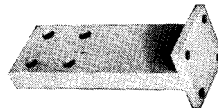


Availability: SPCB-600, 1200, 2000, 2500 and 3000

Connectors for Fixed Mounting

Rear connectors for Bus connection supplied as standard at no charge with standard fixed mounting breaker, 600 thru 3000 amps. They are designed to accept the current monitors for 600 and 1200 amp ratings. 3000 amp connectors are supplied as a part of the breaker frame.

For SPCB-2000 and SPCB-2500



The SPCB-2000 and SPCB-2500 fixed mounting breaker can be supplied with optional front connected conductors (extending from the ends of the breaker frame) at no extra charge. Order by description.

Cell Switches Mounted on Draw-out Frames, All Ratings

Up to four switches can be provided. Each switch provides a NO and NC contact that transfers before reaching the test position when being withdrawn, and after the test position when being racked in.

Accessories (Supplied separately) Handle Extension③

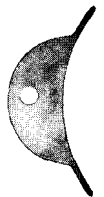
Breaker	Style Number
SPCB-1200	1251C65G01
SPCB-2000, 2500, 3000	315C882G01

Handle Locks③

For SPCB-600, 1200
Non-Padlockable
Fits over breaker handle and is removable.
Style Number 1720 101

Padlockable

(Meets requirements of California Code; sold only in lots of 10)
Style Number 373B591G02



Base Mounting Hardware for Standard Fixed Mounting Units

Order separately when required. No charge when ordered with breaker.

SPCB- 600: Style Number 1614 613
SPCB-1200: Style Number 1091 716
SPCB-2000: Style Number 624B375G22
SPCB-2500: Style Number 624B375G22

Portable Test Kit⑥



This test kit is designed for making functional checks on static sensor circuits and shunt trip. Testing can be done without disconnecting or removing the breaker from service, with down-time limited to the time required to reset and reclose the breaker. The tester operates on 120 volts Ac, 60 Hz and includes complete instructions.
Style Number: 1255C48G02⑥



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