

# Molded Case Circuit Breakers

## Internal Accessories

Spectra™ RMS Circuit Breakers

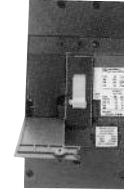
### Universal Field-Installable Internal Accessories

All Spectra™ RMS circuit breakers from the SE150 through the SK1200, including instantaneous-trip Mag Break motor circuit protectors and molded case switches, use the same UL listed, field-installable internal accessories that do not require cover removal to install.

### Accessory Mounting

All accessories mount in pouches accessible from a front cover. All breakers have a left-side pouch and right-side pouch. The following combinations may be installed:

Left-Side Pouch—either shunt trip or undervoltage release plus bell alarm.  
 Right-Side Pouch—auxiliary switch (single or double pole).



Left Side Pouch



Right Side Pouch

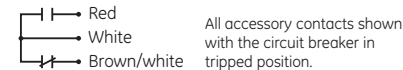
### Auxiliary Switch

Auxiliary switches provide remote indication of whether the circuit breaker main contacts are opened or closed via open or closed SPDT switch elements.

Switch Rating	Number of Switch Elements	Auxiliary Switch Product Number
5A @ 240 Vac/	1 form C	SAUXPAB1
0.5A @ 125 Vdc	2 form C	SAUXPAB2
Gold-Plated Contacts	1 form C	SAUXGAB1
0.5A @ 30V	2 form C	SAUXGAB2
One each of above types	2 form C	SAUXGPAB2



Auxiliary Switch



### Spectra RMS Test Set

Provides basic trip-test functionality for all SPectra RMS, (SE, SF, SG, SK) Circuit Breakers not equipped with LCD Displays. Test Kit plus Test Rating Plug are required.

Description	Product Number
Spectra RMS Trip Tester	SPTK1
Spectra RMS Test Rating Plug	SRPT1



Trip Test Kit



Test Rating Plug

### Shunt Trip

For remote tripping of breaker, use with momentary close contact. Not recommended for use with latching relay contact since electronics in shunt trip will pulse power to the coil if continuously energized, and breaker shunt tripping upon reclosure will be delayed 1-2 seconds at rated control voltage. (A short-circuit trip would be instantaneous.)

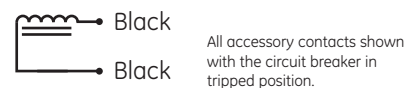
If maintained (latching relay) contact must be used and delayed shunt tripping is not acceptable, use small bell alarm in series with control power for SE150 and SF250 frames and auxiliary switch for SG600 and SK1200 breakers.

These devices are suitable for use with ground fault sensing and relaying equipment. Maximum VA is 75. AC devices are UL listed for 50-60 Hz.

Voltage		Current (mA)		Product Number
ac	dc	Inrush	Cont	
120	125	500	6.0	SAST1
240	250	400	5.0	SAST2
—	12	1000	800	SAST5 <sup>1</sup>
24	24	300	10.0	SAST3
48	48	300	10.0	SAST4

<sup>1</sup>Not suitable for use with ground fault sensing and relaying equipment.

Note: UL listed at 200,000 AIC without internal accessories, 100,000 AIC with internally mounted accessories.



Shunt Trip

