



GE Rating Plug

for MicroVersaTrip® Plus or MicroVersaTrip® PM Trip Units

FUNCTION

Spectra RMS™ circuit breaker frames are designed for use with UL listed field interchangeable rating plugs. These rating plugs are directly analogous to the interchangeable trip unit employed with thermal-magnetic designs. They serve the function of changing the per unit (IX) continuous current rating of a breaker. A circuit breaker frame equipped with a suitable rating plug will have a long time trip value equal to the ampere rating marked on the rating plug.

For example, a breaker frame with a 1200 amp sensor and an 800A rating plug will have an 800 amp continuous current (long-time) rating and may be cabled or bussed to the rating plug ampere rating. Alternately, the breaker may be cabled or bussed to a lower, customer adjusted, current setting. Local codes may require making that setting "nontemperable" such as by sealing the clear plastic cover. Several rating plugs exist for a particular sensor rating and each rating plug is keyed to fit a particular circuit breaker frame and sensor rating.

Table 1 outlines all the available rating plugs for the SG and SK frame breakers with MicroVersaTrip® Plus™ or MicroVersaTrip® PM trip units.

FRONT LABEL (FIGURE 1)

The front plate label shown in Figure 1 is visible when the rating plug is installed. The items displayed are as follows:

Ampere Rating — The rating plug current rating in amperes.

Type - Identifies the Spectra RMS™ circuit breaker frame for which the rating plug is suitable.

Jack for Cat. No. TVRMS test kit.

UL LABEL (LISTING MARK)

This label is on the side of the rating plug and is not visible with the rating plug installed. The label lists the breaker frame that will accept that particular rating plug.

INSTALLATION

Before installing a rating plug into a Spectra RMS™ circuit breaker frame, inspect for physical damage.

STEP 1:

Verify that the rating plug **type** matches the type on the breaker frame label and that the Ampere Rating matches the desired continuous current rating (X).

STEP 2:

Grasp the rating plug by the thumb and forefinger and push it into the programmer. See Figure 2 for location. Proper engagement will be verified by a "click".

Do not attempt to push the rating plug into the programmer if resistance is felt. You may have the wrong rating plug for the frame/sensor rating. Stop immediately and verify that the rating plug type matches the type shown on the breaker frame label.

REMOVAL

To remove the rating plug it is recommended that a tool be used to minimize the risk of damage. A suitable removal tool is GE Cat. No. TRTOOL (AUGAT T114-1 IC remover or equivalent). Squeeze the two rating plug tabs to release the lock and pull firmly upwards while maintaining pressure on the tabs. If no tool is available, grasp the two ends of the rating plug tabs with *two* small (1/8" maximum width blade) flat head screwdriver and gently pry out.

NOTE: Protection to the breaker is maintained at a much lower rating (10%–50% of sensor rating) when the rating plug is pulled out. If the breaker is carrying more than 10% of the sensor rating load current when the rating plug is removed, the breaker may trip.



Figure 1

TABLE 1

Rating Plug Cat. No.	Sensor Rating (Amperes)	Rating Plug Rating (Amperes)	Used on Circuit Breaker Frame
SRPG150B60	150	60	SGHB, SGHH, SGLB, SGLL, SGPB, SGPP
SRPG150B80	150	80	
SRPG150B100	150	100	
SRPG150B125	150	125	
SRPG150B150	150	150	
SRPG400B150	400	150	
SRPG400B200	400	200	
SRPG400B225	400	225	
SRPG400B250	400	250	
SRPG400B300	400	300	
SRPG400B350	400	350	SKHB, SKHH, SKLB, SKLL, SKPB, SKPP
SRPG400B400	400	400	
SRPG600B300	600	300	
SRPG600B400	600	400	
SRPG600B450	600	450	
SRPG600B500	600	500	
SRPG600B600	600	600	
SRPK800B300	800	300	
SRPK800B400	800	400	
SRPK800B500	800	500	
SRPK800B600	800	600	SKHB, SKHH, SKLB, SKLL, SKPB, SKPP
SRPK800B700	800	700	
SRPK800B800	800	800	
SRPK1200B600	1200	600	
SRPK1200B700	1200	700	
SRPK1200B800	1200	800	
SRPK1200B1000	1200	1000	SKHB, SKHH, SKLB, SKLL, SKPB, SKPP
SRPK1200B1200	1200	1200	

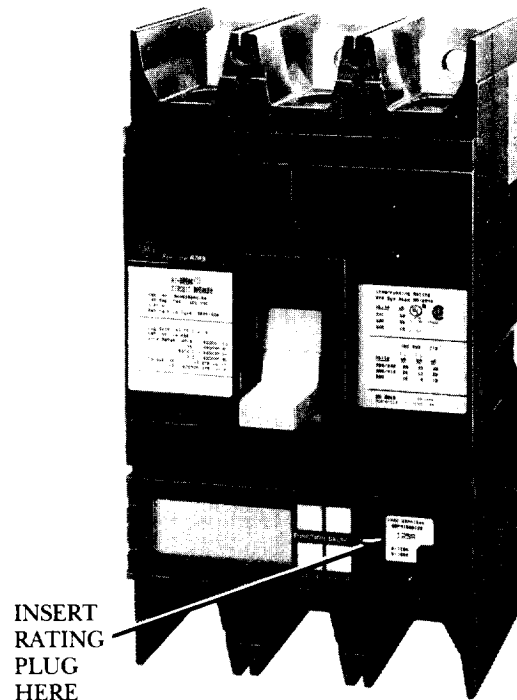


Figure 2

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the GE Company.



GE Electrical Distribution & Control