Spectra RMS™ Molded-Case Circuit Breaker Accessories

Back-Connected Studs

WARNING: Danger of electrical shock or injury. Turn OFF power ahead of equipment before installing this device or removing any other device

IMPORTANT: Danger d'electrocution. Couper l'alimentation avant d'installer cet appareil ou avant de retirer un autre appareil.

Contents

These instructions describe the installation of SGBCS1 (short) and SGBCS2 (long) back-connected stud kits on type SGD, SGH, SGL, and SGP Spectra RMS circuit breakers The contents of these kits are listed below

SGBCS1	
Part	**#**
Short Stud, 4.36 in.	1
Short Spacer, 0.44 in	1
Ribbed Spacer	1
Washer, 15/16 in.	1
Nut, 15/16 in.	3
Washer, 3/8 in.	1
Lock Washer, 3/8 in.	1
Nut, 3/8 in.	1

SGBCS2	
Part	**#**
Long Stud, 7.60 in	1
Long Spacer, 3.67 in.	1
Ribbed Spacer	1
Washer, 15/16 in	1
Nut, 15/16 in.	3
Washer, 3/8 in	1
Lock Washer, 3/8 in.	1
Nut, 3/8 in	1

General

Each Back-Connected Stud Kit contains a stud and the mounting hardware for attachment to one end of a breaker pole. Studs of two different lengths are available so that they can be alternated on adjacent poles, thus assuring adequate electrical spacing. When two-pole or three-pole breakers are mounted adjacent, the neighboring outer pole studs must be of different lengths. Thus, a short stud (SGBCS1) must be mounted next to a long stud (SGBCS2) This arrangement is illustrated in Figure 3.

Installation

Tools required for installation:

- 1 1/16 in. (27 mm) diameter drill
- 1 1/2 in. wrench
- 9/16 in. wrench

1. Drill a 1 1/16 in. (27 mm) diameter hole for each stud in the mounting surface. The hole pattern is shown in Figure 1
2. Assemble the studs to the mounting panel and the breaker to the studs, as illustrated in Figure 2.
3. Torque each of the 3/8 in. nuts to 12–13 ft-lb and each of the 15/16 in nuts to 80–90 ft-lb
4. Reinstall the bus cover that was supplied with the breaker to the upper (line) end.

NOTE: This same bus cover may be used on the lower end of the breaker, if desired. Order catalog number SG1BCK.

ATTENTION: Ce couvercle de barre collectrice peut être utilisé au bout plus bas du disjoncteur en cas de besoin Nombre de catalog SG1BCK.

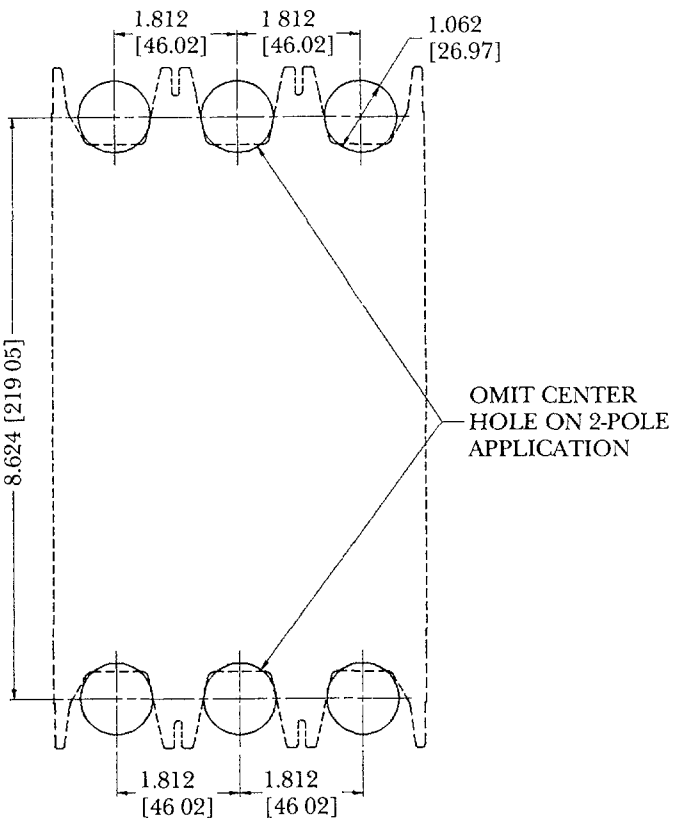

Figure 1 Mounting surface drill pattern

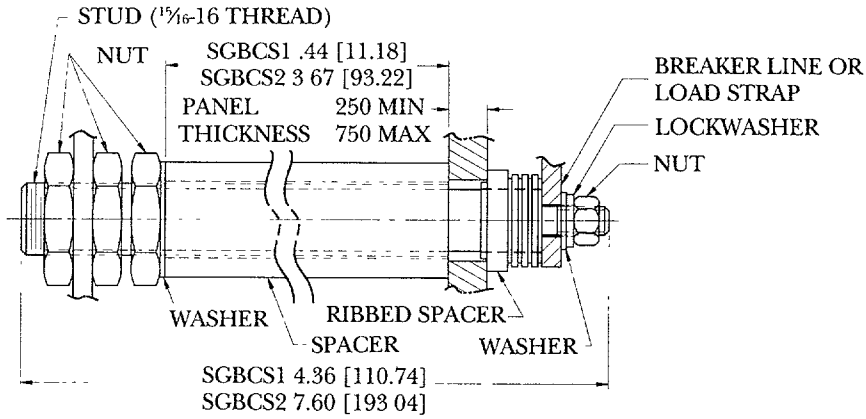

Figure 2 Assembled back-connected stud

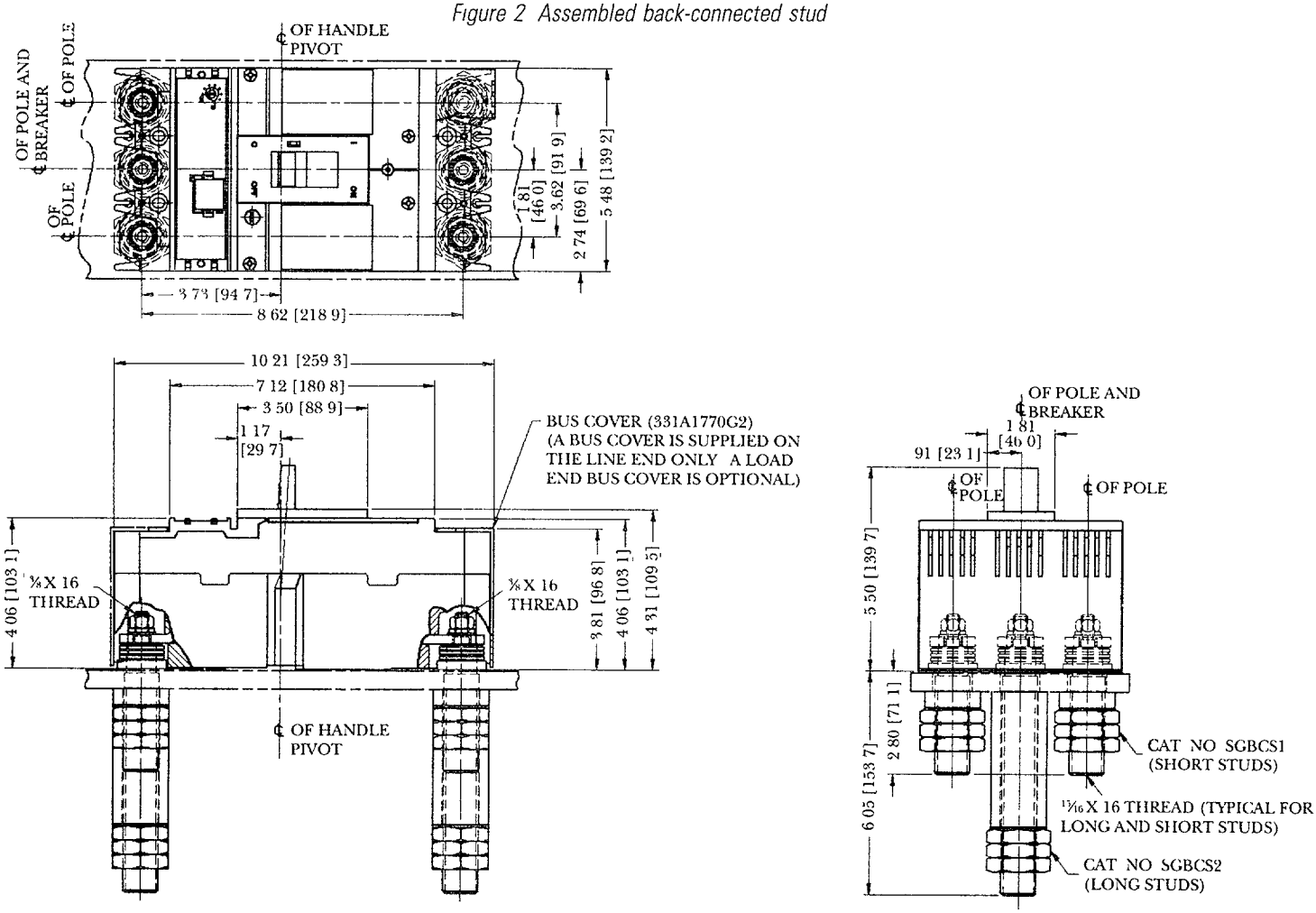

Figure 3 Outline drawings showing studs attached to breaker

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

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