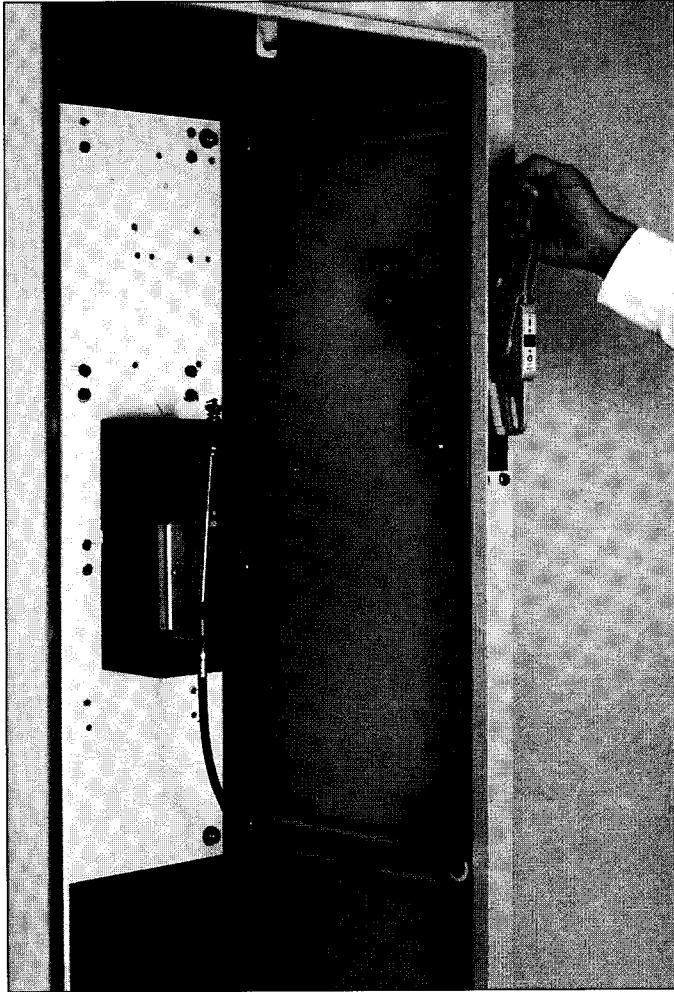




Spectra Flex™ Cable Operators

**For Spectra RMS™ and E150
Molded Case Circuit Breakers**



Reduced installation costs:

- *Simpler, faster installation*
- *No special alignment required*

Optimized panel layout:

- *Breaker mounting position is independent of flange-mounted handle location*

Combines mounting flexibility with the application versatility of Spectra RMS circuit breakers

Covers a full spectrum of enclosure types and sizes:

- *Flange-mounted handle for NEMA Types 1, 3R, 12 and 13 enclosures*
- *Flange-mounted handle for NEMA 4/4X enclosures — optional*
- *Broad range of enclosure sizes and breaker mounting configurations*
- *8 different operating cable lengths available from 3 to 10 feet*
- *For circuit breaker types E150, SE150, SF250, SG600 and SK1200*
- *Force and motion transmitted independently of breaker mounting plane or position relative to handle location*
- *Common breaker mounted operator for SE150 and SF250 frames*

GE Electrical Distribution & Control

Spectra Flex™ Cable Operators

Spectra Flex cable operating mechanisms are suitable for application with GE circuit breakers mounted in a wide variety of flanged enclosure types and sizes.

Flange-mounted handle mechanisms are available for NEMA Types 1, 12 or 13 enclosures in either 6 inch (Model SCH1) or 10 inch (Model SCH2) handle lengths. Corresponding mechanisms, SCH1X and SCH2X, are available for NEMA Type 4/4X enclosures. Handle mechanisms are suitable for either left or right flange operation.

The handle mechanism is combined with one of eight operating cables, with lengths from 3 to 10 feet, to cover a broad range of possible breaker mounting locations in the enclosure. The cable links the handle mechanism to the breaker-mounted operating mechanism and transmits the mechanical force and motion of the handle mechanism to the breaker mounted mechanism. The force and motion is transmitted independently of the breaker mounting plane or location relative to the location of the handle mechanism, provided only that the bending radius of the cable is not less than 3 inches. No mounting reinforcement of the breaker or enclosure flange is required.

The breaker-operating mechanism mounts directly to the face of the breaker and does not involve any mounting interface with the enclosure. A standard breaker mounting screw kit for tapped holes is furnished with each mechanism to mount the breaker in the enclosure.

Use Table 1 and 2 below to choose the handle mechanism, breaker operating mechanism and cable for your job. Use Table 3 to ensure that the cable being used is long enough to reach the breaker and that the 3-inch minimum bending radius is not violated.

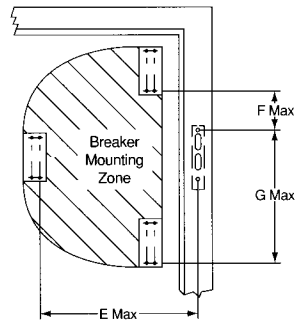
Table 1. Mechanism Selection Guide

Circuit Breaker Type	Handle Operating Mechanism Catalog Number		Breaker Operating Mechanism Catalog Number
	NEMA 1,3R,12,13	NEMA 4/4X	
E150	SCH1 SCH2	SCH1X SCH2X	SCOM1A
SE150			SCOM1EF
SF250			SCOM1G
SG600			SCOM1K
SK1200	SCH2K	SCH2KX	

Table 2. Cable Selection Guide

Cable Length	Cable Catalog Number Circuit Breaker Type	
	E150, SE150, SF250, SG600	SK1200
3'	SC3L	SC3H
4'	SC4L	SC4H
5'	SC5L	SC5H
6'	SC6L	SC6H
7'	SC7L	SC7H
8'	SC8L	SC8H
9'	SC9L	SC9H
10'	SC10L	SC10H

Table 3. Circuit Breaker Mounting Zone Dimensions



Maximum Dimensions in Inches

Depth	36" Cable			48" Cable		
	E**	F	G	E**	F	G
8"	13.5	4.0	15.0	25.5	16.0	27.0
10"	13.0	5.0	14.8	25.0	17.0	26.8
12"	12.8	6.0	14.5	24.8	17.0	26.5
16"	10.5	4.5	14.2	22.5	16.5	26.2
18"	8.5	3.5	12.6	20.5	15.5	24.6
20"	—	0.5	10.0	22.0	15.0	24.0
24"	—	—	—	19.5	14.0	22.0

** Maximum E Dimension only if F = 4.5"

To determine maximum mounting dimensions for 60- through 120-inch-long operating cables, add the respective additional lengths to the 48-inch cable maximum dimensions. (Example: Add 12 inches to E, F and G dimensions for 60-inch cable length.) When cable is installed, the minimum cable bend radius should not be less than 3 inches. The minimum cable bending requirement must be met to ensure a safe operating environment.



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