GEH6290 INSTALLATION INSTRUCTIONS

Cable Operator Mechanisms for E150, SE150, SF250, and SG600 Spectra RMS™ Circuit Breakers

Type SCH1/1X, SCH2/2X Flange-Mounted Handle Assemblies, Cable Series SC3L–SC10L and Type SC0M1A, SCOM1EF, and SCOM1G Breaker-Mounted Operating Mechanisms

General

ABB Cable Operating Mechanisms are suitable for application with ABB circuit breakers mounted in a wide variety of flanged enclosure types and sizes.

Flange-mounted handle assemblies are available for NEMA Type 1, 3R, 12, or 13 enclosures in either 6-inch, Model SCH1, or 10-inch handle lengths, Model SCH2. Corresponding assemblies, SCH1X and SCH2X, are available for NEMA Type 4/4X enclosures. Handle assemblies are suitable for either left or right flange operation.

The handle assembly is combined with one of eight operating cables, with lengths from 3 to 10 feet, to cover a broad range of breaker mounting locations in the enclosure. The cable links the handle assembly 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 assembly, provided only that the bending radius of the cable is no 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. Standard breaker mounting screws for tapped holes are furnished with each mechanism to mount the breaker in the enclosure.

Examine Table 1 to ensure that the handle assembly, cable, and breaker operating mechanism you have are correct for the job. Check Table 2 to ensure that the cable is long enough to reach the breaker and that the 3-inch minimum bending radius requirement is not violated.

Installation of the handle assembly onto the enclosure flange can be performed independently from installation of the breaker operating mechanism onto the circuit breaker and from installation of the circuit breaker in the enclosure. Installation of the cable between the handle assembly and the breaker mechanism should be the final step. The breaker operating mechanism is to be installed onto the circuit breaker after the breaker has been mounted in the enclosure.

Table 1. Mechanism Selection Guide

Circuit Breaker Type	Handle Operating Mechanism Cat. No.		Breaker Operating Mechanism Cat. No.	Operating Cable Cat. No. Series	Cable Operator Mechanism Installation Instruction
	NEMA 1, 3R, 12, 13	NEMA 4/4X			
E150	SCH1 SCH2	SCH1X SCH2X	SCOM1A	SC3L– SC10L	GEH-6290
SE150			SC0M1EF		
SF250					
SG600			SCOM1G		
SK1200	SCH2K	SCH2KX	SCOM1K	SC3H–SC10H	GEH-6291