



INSTRUCTIONS

GEK-65580
Insert Booklet GEK-45464

STATIC BREAKER BACKUP RELAY TYPE SBC99AF

INTRODUCTION

This supplement together with GEK-45464 constitutes the instructions for the SBC99AF special relay.

DESCRIPTION

The SBC99AF relay is the same as the SBC23A except it has the following ratings:

DC Control Voltage	250 VDC	} These ratings not available on SBC23A
Frequency	50 Hz	
Continuous Current	2.0 Amps	
Phase Current Pickup Levels	0.2-0.4 Amp	
	0.4-0.8 Amp	
	0.8-2.0 Amps	
Residual Current Pickup Levels	0.1-0.2 Amp	
	0.2-0.4 Amp	
	0.4-1.0 Amp	

The AC burden for each of the current transformer circuits is given in Table I.

TABLE I

Burden for One Amp, 50 Hz Relays*

Transactor	Tap Setting (Amps)	Impedance (Ohms)	Power Factor (Deg-Lag)
Phase	0.2-0.4	0.286	27.0
"	0.4-0.8	0.116	16.3
"	0.8-2.0	0.052	9.0
Residual	0.1-0.2	0.838	38.0
"	0.2-0.4	0.286	27.0
"	0.4-1.0	0.116	16.3

*These relays are rated two amps continuous (at the specified frequency) when set on the maximum phase tap setting.

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 General Electric Company.

To the extent required the products described herein meet applicable ANSI, IEEE and NEMA standards, but no such assurance is given with respect to local codes and ordinances because they vary greatly.