GE Control Components Changeover

A step by step process of how to change all of the GE electrical components over to the new Eaton variants. This Dokit will also be a log to keep hold of historic changeovers with the electrical components.

Difficulty **Easy** Duration **2 hour(s)**

Contents

Introduction

The GE control components are now obsolete and we have had to find a new manufacture to use. We have decided to go with Eaton control equipment for this. We are using the same supplier for these products and we have the added benefit if the supplier holding these parts in there stores. We had a choice to use either ABB, Eaton or Schneider components.

Although all of the individual Eaton components are a direct replacement for the GE components, there are certain situation that we may be tripped up. This includes times when we need to change a motor breaker that has an auxiliary block connected to it. We can change the breaker but the GE auxiliary block will not fit on the new Eaton one. This means that the Eaton components need to have different part numbers to the GE components.

This document will layout the new part numbers and what they relate to and instructions on how they are added and changed in the Sage system.

Step 1 - Identify what parts need changing

The supplier that we use for the supply of our control components advised us of the need to changeover. The components that have been made unavailable are all of the GE components. This includes, all MCB's, all contactors (24Vdc, 24Vac, 230Vac), all motor overloads and any auxiliary components to go with these devices. See pictures for reference.

Step 2 - Identify the part numbers that will be obsolete

GE Product	Stuga PN
RELAY 3NO/1NC 16A Ith 24V DC COIL (MCRC031ATD)	E0000548
MMS T+M PROT. 2,5-4 STAND.BREAKING (GPS1BSAH)	E0000015
3A MCB 1P Type D 6kA (EP61D03)	E0000227
CONTACTOR 3P 9A AC COIL 24V50/60HZ (MC1A310AT1)	E0000013
MMS T+M PROT. 6,3-10 STAND.BREAKING (GPS1BSAK)	E0000016
10A MCB 1P Type D 6kA (EP61D10)	E0000148
6A MCB 1P Type D 6kA (EP61D06)	E0000255
CONTACTOR 3P 9A AC COIL 230/240V (MC1A310ATN)	E0000222
CONTACTOR 3P 9A DC COIL 24V (MC1C310ATD)	E0000356
AUX.BLOCK LAT.MOUNT RIGHT 1NO+1NC (GPAC11LRA)	E0000369
10A MCB 3P Type C 6kA (EP63C10)	E0000291
MMS T+M PROT. 0,4-0,63 STAND.BREAKING (GPS1BSAD)	E0000223
16A MCB 3P Type D 6kA (EP63D16)	E0000429
Changable aux/sig contact 0.5 mod CA (CAS/H)	E0000430
MECHANICAL INTERLOCK (MMH0)	E0000317
RELAY 3NO/1NC 16A Ith 24V 50/60HZ AC COIL (MCRA031AT1)	E0000344
1A MCB 1P Type C 6kA (EP61C01)	E0000147
MMS T+M PROT. 0,63-1 STAND.BREAKING (GPS1BSAE)	E0000253
GE Min Aux Contact 3NO+1NC	E0000014

Step 3 - Find the new variant to add to the system

GE Product	Eaton Product (Please double check that this is suitable)
RELAY 3NO/1NC 16A Ith 24V DC COIL (MCRC031ATD)	DILM17-01(RDC24)
MMS T+M PROT. 2,5-4 STAND.BREAKING (GPS1BSAH)	PKZM0-4
3A MCB 1P Type D 6kA (EP61D03)	FAZ6-D4/1
CONTACTOR 3P 9A AC COIL 24V50/60HZ (MC1A310AT1)	DILM9-01 (24V50Hz)
MMS T+M PROT. 6,3-10 STAND.BREAKING (GPS1BSAK)	PKZM0-10
10A MCB 1P Type D 6kA (EP61D10)	FAZ6-D10/1
6A MCB 1P Type D 6kA (EP61D06)	FAZ6-D6/1
CONTACTOR 3P 9A AC COIL 230/240V (MC1A310ATN)	DILM17-01(230V50HZ,240V60HZ)
CONTACTOR 3P 9A DC COIL 24V (MC1C310ATD)	DILM9-01(24VDC)
AUX.BLOCK LAT.MOUNT RIGHT 1NO+1NC (GPAC11LRA)	NHI11-PKZ0
10A MCB 3P Type C 6kA (EP63C10)	FAZ6-C10/3
MMS T+M PROT. 0,4-0,63 STAND.BREAKING (GPS1BSAD)	PKZM0-0,63
16A MCB 3P Type D 6kA (EP63D16)	FAZ6-D16/3
Changable aux/sig contact 0.5 mod CA (CAS/H)	FAZ-XAM002
MECHANICAL INTERLOCK (MMH0)	DILM12-XMV
RELAY 3NO/1NC 16A Ith 24V 50/60HZ AC COIL (MCRA031AT1)	DILM9-01(24V50HZ)
1A MCB 1P Type C 6kA (EP61C01)	FAZ6-C1/1
MMS T+M PROT. 0,63-1 STAND.BREAKING (GPS1BSAE)	PKZM0-1
GE Min Aux Contact 3NO+1NC	DILM32-XHI22

Step 4 - Create 'B' versions of the part

Step 5 -