## 2.4kV Cutler Hammer Drawout Starter Technical Specification

This document is supplied technical information for procure new drawout AC contactor. It should be include control transformer, trip coil, close coil, aux fuses and vacuum contactor.

Voltage: 2.4kV AC 50Hz

Amps: Cont. Max 400A

Max Interrupt Capacity: 8500A

Control Circuit: 120V AC

Brand: Cutler Hammer

Type: SL50Z430

Model: C

**AC Contactor** 





**AC Drawable Contactor Label** 



**MV Starter Panel** 



**Panel Label** 

#### 4A36370H01

# Ampgard. **OPERATING INSTRUCTIONS**

This Cutler-Hammer motor starter has special features for your safety and convenience. Before removing fuses or servicing this starter, be sure to check the GROUNDING CONNECTION, VISIBLE ISOLATING SWITCH, and SHUTTER as described and illustrated below. See Instruction Manual.

#### GROUNDING CONNECTION

When the isolating switch is in the "OFF" position, the fuse clamps are automatically connected to ground. This assures that the starter is grounded before you open the door.

FUSE CLAMP POSITIONER **FUSE CLAMP GUIDE** Before replacing fuses, make sure that fuse clamps are in the proper position. The fuse clamp guide (arrow) should be in the groove in fuse clamp positioner

This industrial type control is designed to be installed, operated, and maintained by adequately trained personnel, with adequate supervision. These instructions do not cover all details, variations, or combinations of the equipment, its storage, delivery, installation, check-out, safe operation, or maintenance. Care most be exercised to comply with local, state, and national regulations, as well as safety practices, for this class of equipment.

### VISIBLE ISOLATING SWITCH

In the isolating switch "OFF" position you can see the ends of the fuse clamps above the top of the fuses. In the "ON" position this is the part of the isolating switch that connects to the line. If you can see the fuse clamp ends, you can be sure that the starter is disconnected from the line. In the isolating switch "OFF" position, the fuses will appear to be loose in the top clamp. This is normal. When the isolating switch operating handle is moved to the "ON" position, adequate (Fig. is witch operating handle is moved to the "ON" position, adequate force is automatically applied to the

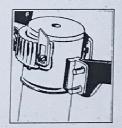
#### SHUTTER

This isolating switch has a mechanically driven protective shutter. This shutter provides an insulating barrier between you and the line terminals when the isolating switch handle is in the "OFF" position. You can tell when the shutter is fully closed by looking along side the main fuse. If the "barberpole" pattern is visible, the shutter is between you and the line. The "barberpole" is on both the left-hand and center poles.

### **BLOWN FUSE INDICATION**

The main fuses in this starter have a blown fuse indicator. You can tell if the fuse is blown by looking at the RED indicator insert in the top end of the fuse. If the insert is flush, the fuse is good. If the insert is extended, the fuse is blown. For your convenience fuses should be installed with the indicator up.

## **FUSE REMOVAL**



Hook fuse puller thru eyes on fuse. Pull fuse forward sharply and slide out over contactor.



### **FUSE INSERTION**

Use fuse puller to install fuse. Make sure fuse is down as far as it will go in bottom fuse clamp. This fuse clamp will tighten automatically when the isolating switch handle is moved to "ON" position.

Inset shows how end of double barreled fuse is inserted.

# ABRIDGED LIST OF RENEWAL PARTS

This motor starter provides improved motor protection. The main fuses, overload relay coils and current transformers are a coordinated protective system specially selected for your motor. To be sure of continuous protection only Cutler-Hammer renewal parts should be used.

FOR THIS STARTER NO. FAAA2122		UNIT 1F Z210SAA		_USE ONLY THESE PARTS	
DESCRIPTION	PART NO.	REQUIRED	DESCRIPTION	PART NO.	REQUIRED
Main Fuses 170-6R	449D597G06	3/Starter	Bottle Sub-Assy.(Vacuum)	2147A58G02	1/Contactor
Overload Relay Heaters	N/A	N/A/Starter	Main Coil (120/240V Control)	2147A58G11	1/Contactor
Current Transformers	2147A16G04	1/Starter	Control Transformer	C20A1D1C2	1/Starter
Current Transformer Ratio	100/5		Control Primary Fuses	2147A11G27	2/Starter

## PROTECTIVE INTERLOCKING

Positive interference type mechanical interlocks are used exclusively on this starter. They protect you by causing the mechanism to lock if incorrect operation is attempted. If this happens, or if some other symptom of incorrect adjustment is evident, **DO NOT FORCE** the mechanism. Refer to the instruction book before making changes or applying force.

CAUTION . . . INSTALL 4-PHASE BARRIERS BEFORE OPERATING VACUUM CONTACTOR UNDER LOAD.

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