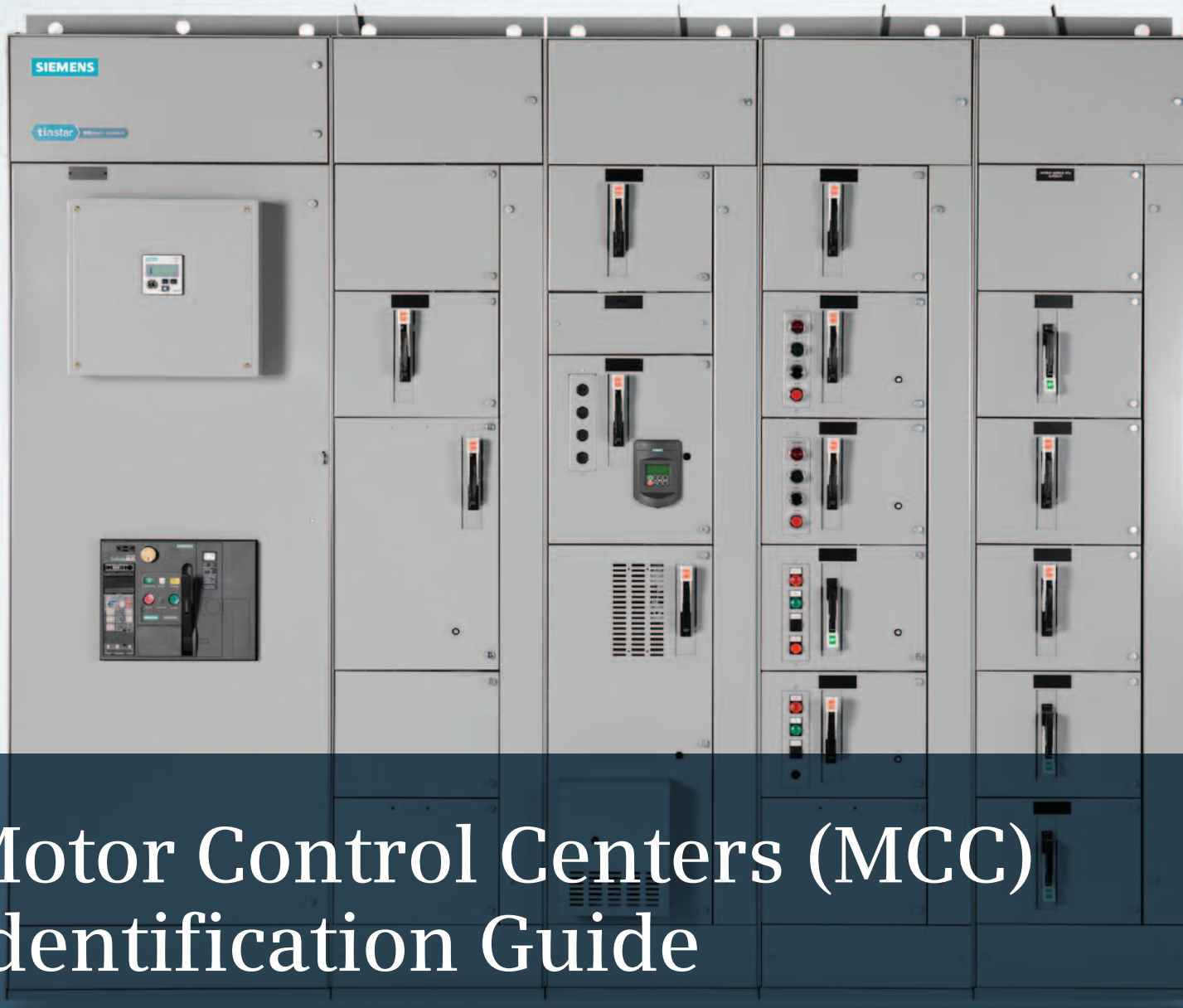
SIEMENS



Motor Control Centers (MCC) Identification Guide

www.usa.siemens.com/mccaftermarket

Answers for industry.

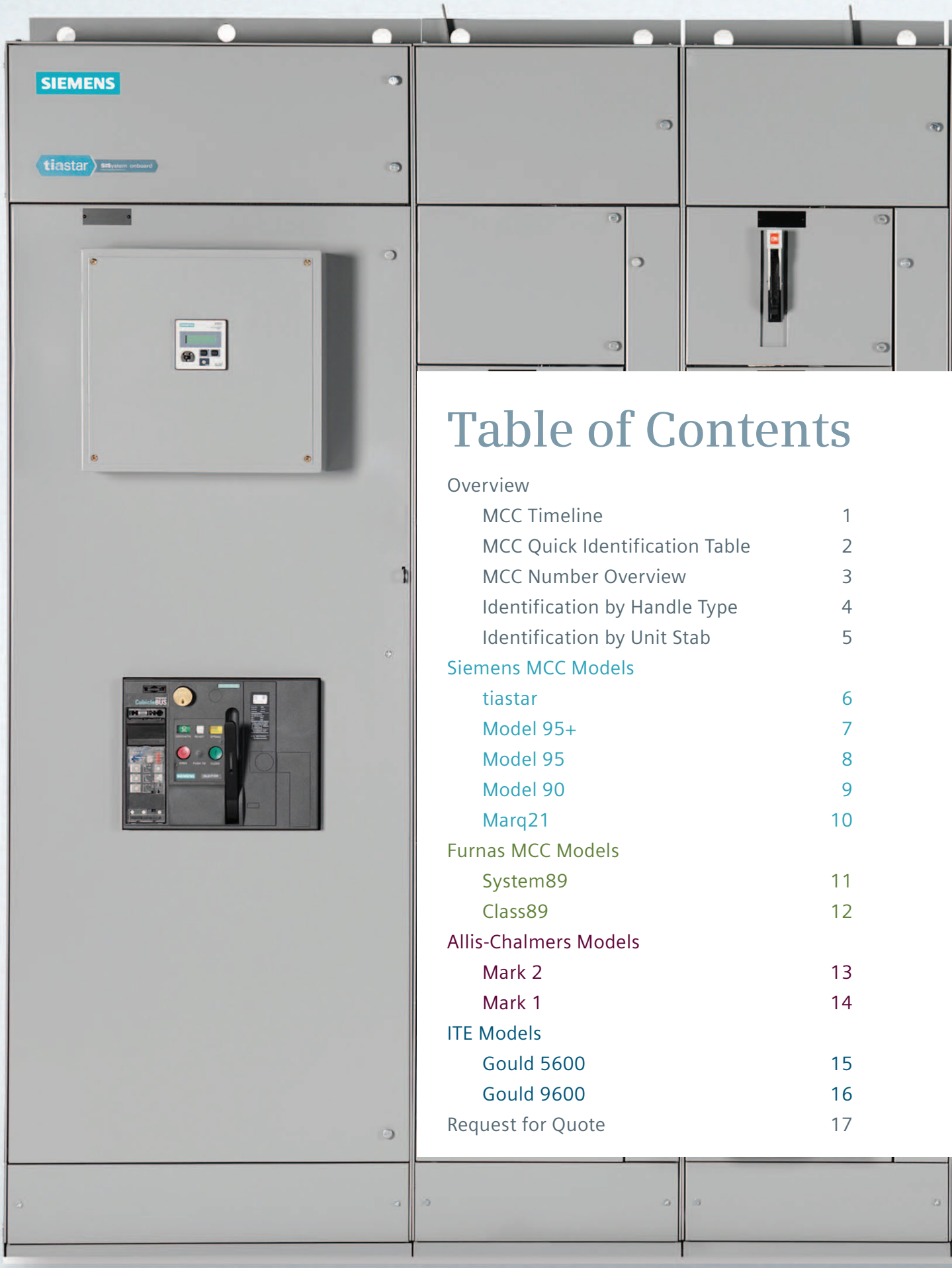
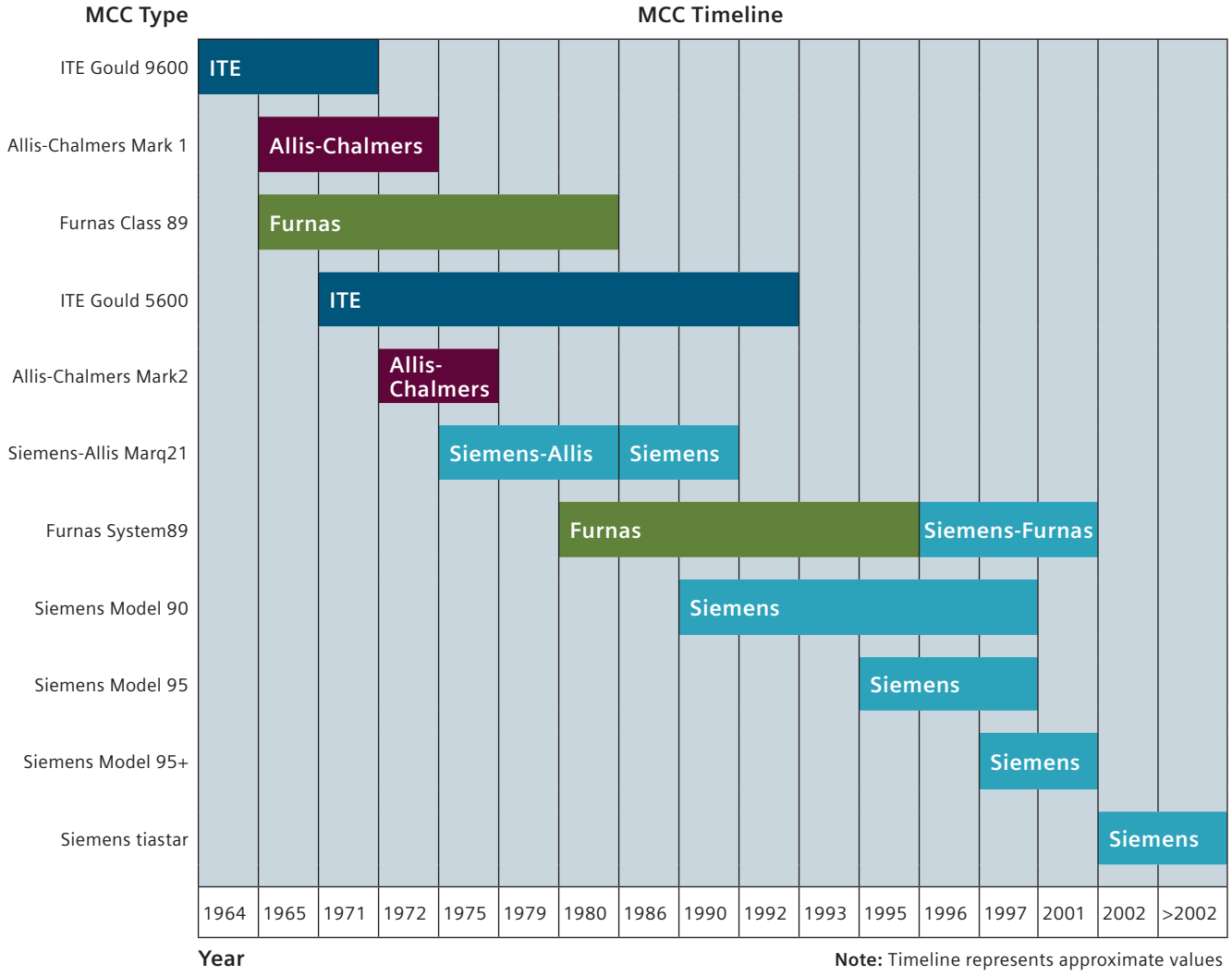


Table of Contents

MCC Timeline

Siemens has an installed base of Motor Control Centers dating back to 1964 due to acquisitions of Allis-Chalmers in 1978, ITE Gould in 1983 and Furnas Electric in 1996. This has resulted in eleven MCC models installed across the United States. Replacement units for these models as well as the current tiastar™ MCC offerings are built in the Siemens West Chicago plant. Siemens developed this tool to help people gain a better understanding of the wide variety of this installed base of MCCs. This should enable people to order aftermarket buckets or new MCCs much easier. In this brochure, all the tools necessary for identifying existing MCCs are included. All items listed as follows: timeline, product overview, identification guide and product descriptions. The intent of this guide is to provide a tool for Siemens customers so they can make a more educated purchasing decision. If you have any questions, please contact your local Siemens representative.



Note: Timeline represents approximate values

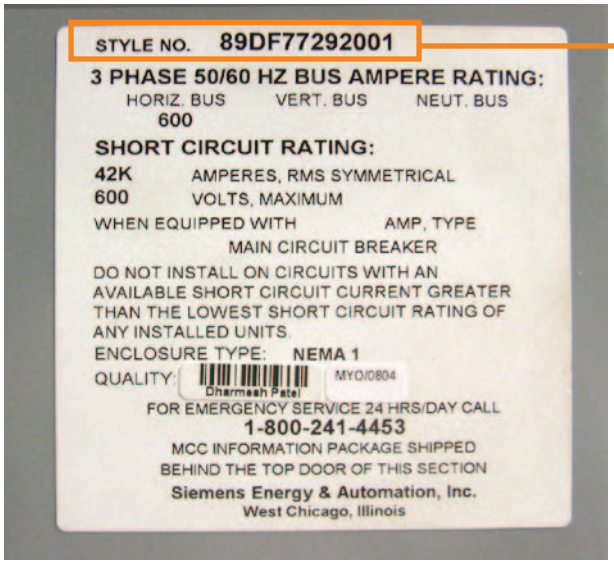
MCC Quick Identification Table

This overview is a clear and concise snap shot of Siemens entire MCC product offering. For your convenience, typical MCC part numbers are shown for continued identification possibilities. Furthermore, the overview covers the standard options for the product offering.

Original Manufacturer	Model	Production Dates	Type of Handle Mechanism	Typical MCC Serial Number	Page Number
Siemens	tiastar™	2002 – Current	Lever	89BF#####-### 89BS#####-### 89BB#####-### W####	6
Siemens	Model 95 +	1997 – 2001	Slider	95BF#####-### 95BS#####-### 95BB#####-### ####	7
Siemens	Model 95	1995 – 1997	Slider	09-001-####-#####-###	8
Siemens	Model 90	1990 – 1997	Slider	30-001-####-#####	9
Siemens-Allis	Marq21	1975 – 1990	Slider	01-14##-#####-##	10
Siemens/Furnas	System89	1980 – 2001	Lever	Same as Siemens tiastar	11
Furnas	Class89	1965 – 1979	Lever	89FV####-### 89SV####-### 89BV####-### V####	12
Allis-Chalmers	Mark 2	1972 – 1975	Rotary	#####	13
Allis-Chalmers	Mark 1	1965 – 1972	Slider	#####	14
ITE	Gould 5600	1971 – 1992	Rotary	84-##### 85-#####	15
ITE	Gould 9600	1964 – 1971	Rotary	86-#####	16

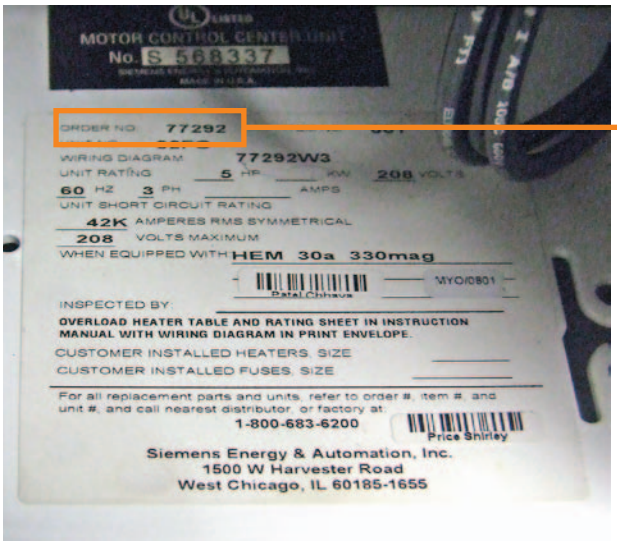
Style (Serial)/Order Number Overview

This visual guide will help you locate and identify your MCC by its order number or style number. Please note your unit's style or order number and report this when placing your order. This will help ensure the accuracy and timely completion of your request.



Style (Serial) Number

The style number can be found on the name plate of your MCC. This is generally located on the section of incoming power supply.



Order Number

The order number is an acceptable alternative to the style number. This can be found on the inside of a specific bucket. Please also report the unit number when possible (located below the order number). Note: Some older models may not have this sticker.

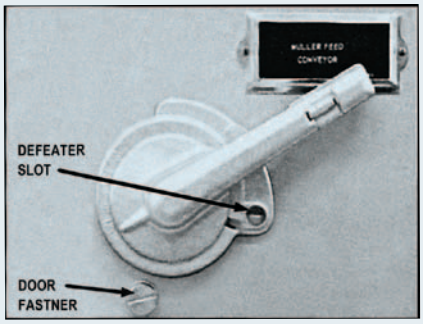
Identification by Handle Type

tiastar (page 6)
System89 (page 11)

Model 95+ (page 7)
Model 95 (page 8)
Model 90 (page 9)
Marq21 (page 10)

Class89 (page 12)

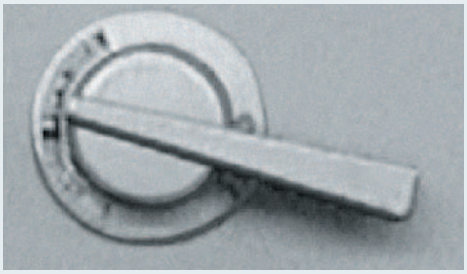
Marq21 (page 10)
Mark 2 (page 13)



Mark 1 (page 14)

Gould 5600 (page 15)

Gould 5600 (page 15)



Gould 9600 (page 16)

Identification by Unit Stab

tiastar (page 6)
Model 95+ (page 7)
System89 (page 11)

Model 95+ (page 7)
System89 (page 11)

Model 95 (page 8)
Model 90 (page 9)
Marq21 (page 10)

Class89 (page 12)

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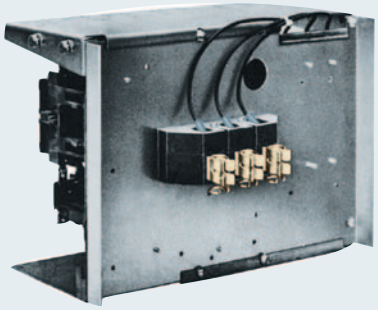
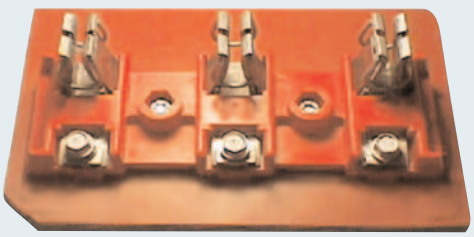
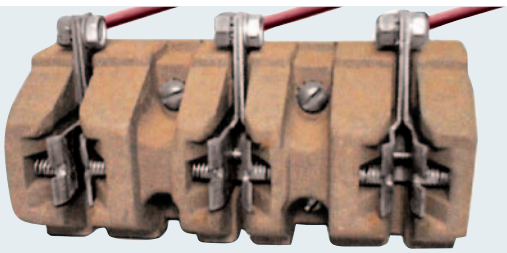
Mark 2 (page 13)



Mark 1 (page 14)



Gould 5600 (page 15)

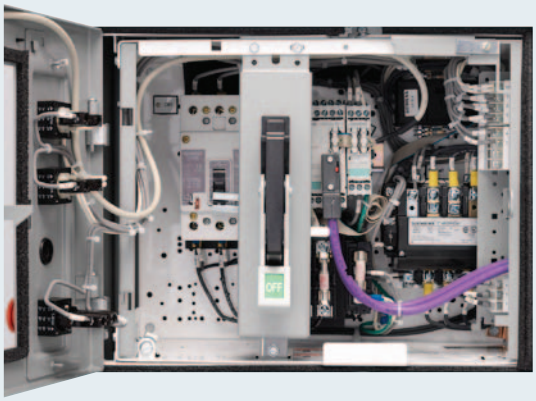


Gould 9600 (page 16)

Siemens tiastar™

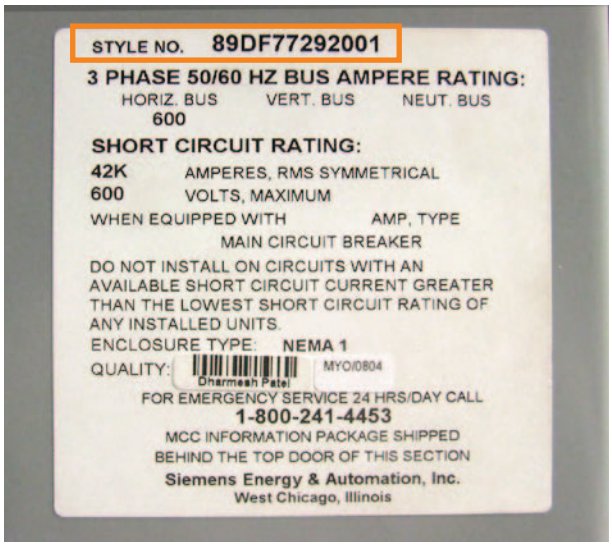
Product Description

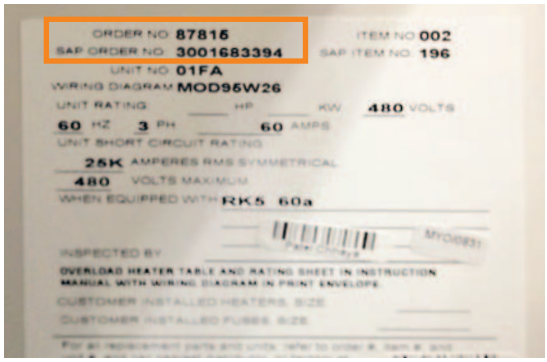
Introduced in 2002, Siemens tiastar Motor Control Center represents a rugged time proven design. Unit widths are normally 15" or 20" wide, and 12" tall with 6" increments.



Timeline: 2002 – Current
Original Mfg: Siemens
MCC#: 89BF#####-###
89BS#####-###
89BB#####-###

Label Identification





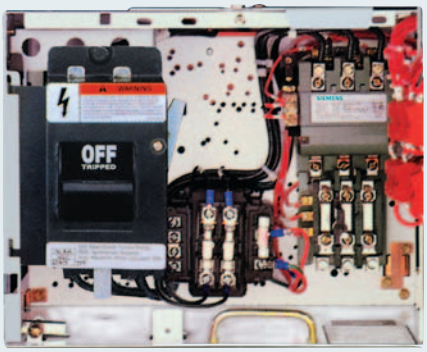
Siemens Model 95+

SIEMENS

Product Description

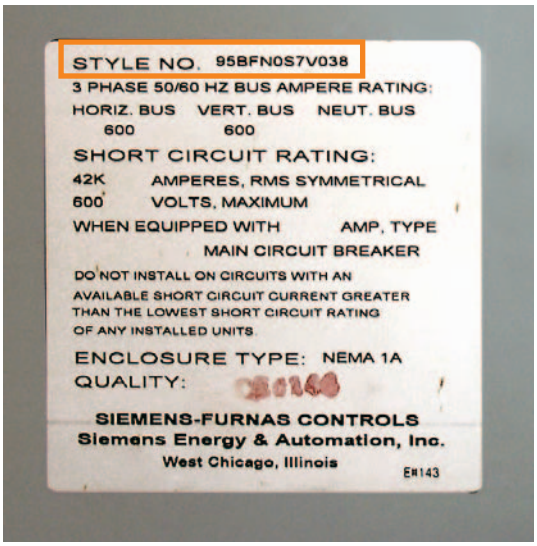
The Model 95+ retrofit units are designed to fit into Model 95+ MCCs. This upgrade from Model 95 included changes in handles, color, pilot devices, and stabs. Unit widths are normally 15" or 20" wide, and 12" tall with 6" increments.

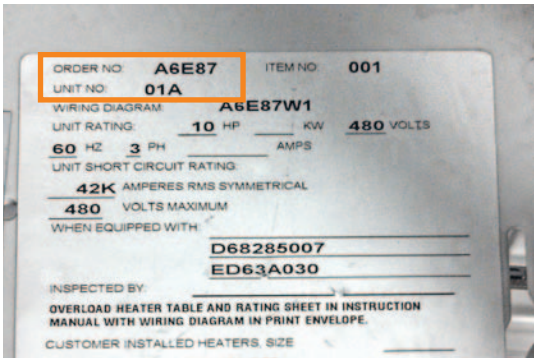
Add-on MCCs:
A new tiastar MCC can be directly spliced to existing line-up.



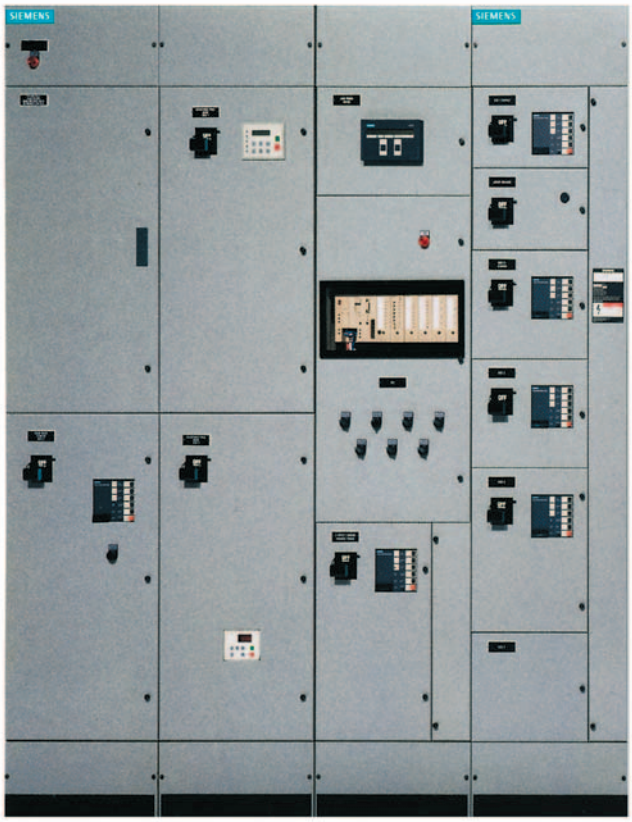
Timeline: 1997 – 2001
Original Mfg: Siemens
MCC#: 95BF#####-###
95BS#####-###
95BB#####-###

Label Identification





Siemens Model 95

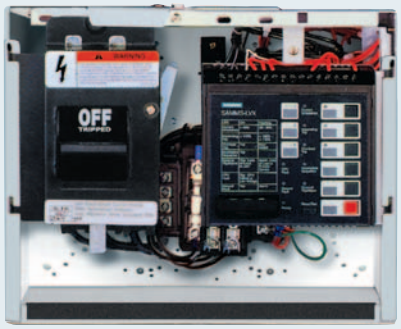


SIEMENS

Product Description

Model 95 served as a style template for many old MCC units since installation procedures and dimensions stayed the same. Unit widths are normally 15" or 20" wide, and 12" tall with 6" increments. The original Model came with a variety of CB and starters from ITE, C-H and Siemens 3TF & 3UA Overload. Today, we provide you with Siemens breakers and starters.

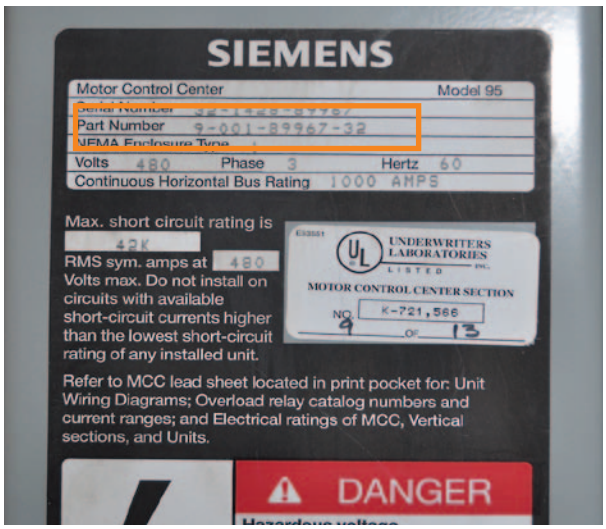
Add-on MCCs:
A new tiastar MCC can be directly spliced to existing line-up.



Timeline: 1995 – 1997
Original Mfg: Siemens
MCC#: 09-001-####-#####-###

400A feeder in a plug-in unit requires 30" (height). If an order is placed for a 400A feeder in a 24" (height) unit, the unit will be fixed mounted 20" wide and will need to be wired to the horizontal bus.

Label Identification



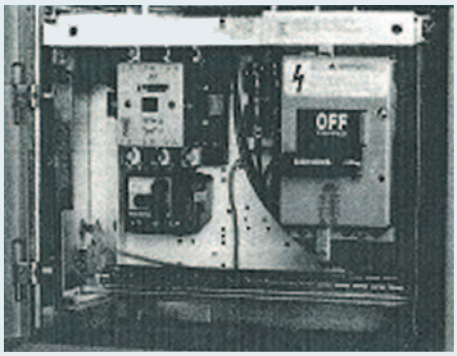
Siemens Model 90

SIEMENS

Product Description

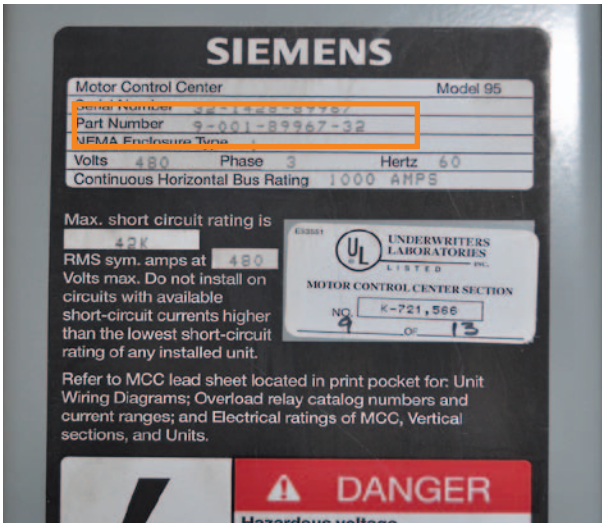
The Model 90 retrofit units are designed to fit into Model 90 MCCs. Unit widths are normally 15" or 20" wide, and 12" tall with 6" increments. The original Model 90 came with a variety of CB and starters from ITE, C-H, and Siemens 3TF and 3UA Overload. Today, we provide you with Siemens breakers and starters.

Add-on MCCs:
A new tiastar MCC can be directly spliced to existing line-up.



Timeline: 1995 – 1997
Original Mfg: Siemens
MCC#: 30-001-####-#####

Label Identification



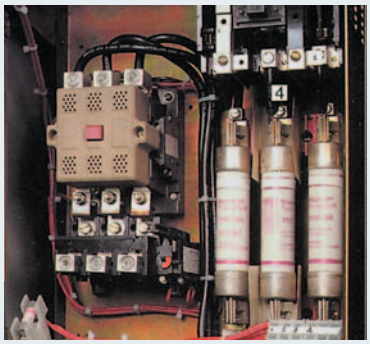
Siemens-Allis Marq21

ALLIS-CHALMERS MARQ21™

Product Description

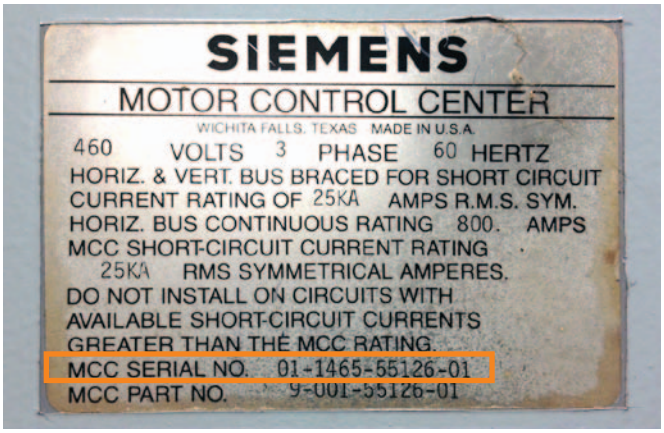
The Marq21 retrofit units are designed to fit into Marq21 MCCs. Marq21 was created from the forge of two of the world's foremost electrical companies, Siemens-Allis. Units widths are normally 15" or 20" wide, and 12" tall with 6" increments. Original components are no longer available. Today, we provide you with Siemens breakers and starters.

Add-on MCCs:
A new tiastar MCC can be directly spliced to existing line-up.



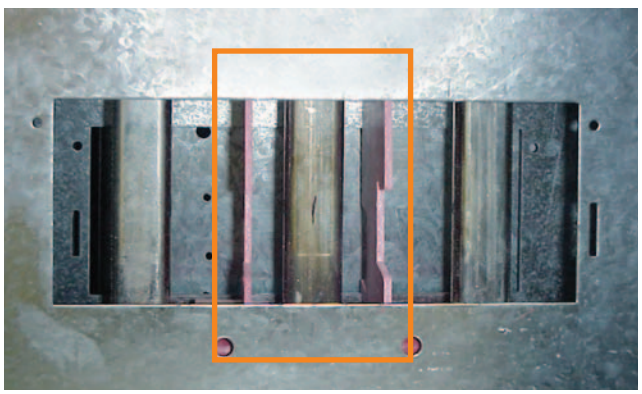
Timeline: 1975 – 1990
Original Mfg: Siemens-Allis
MCC#: 01-14##-#####-##

Label Identification

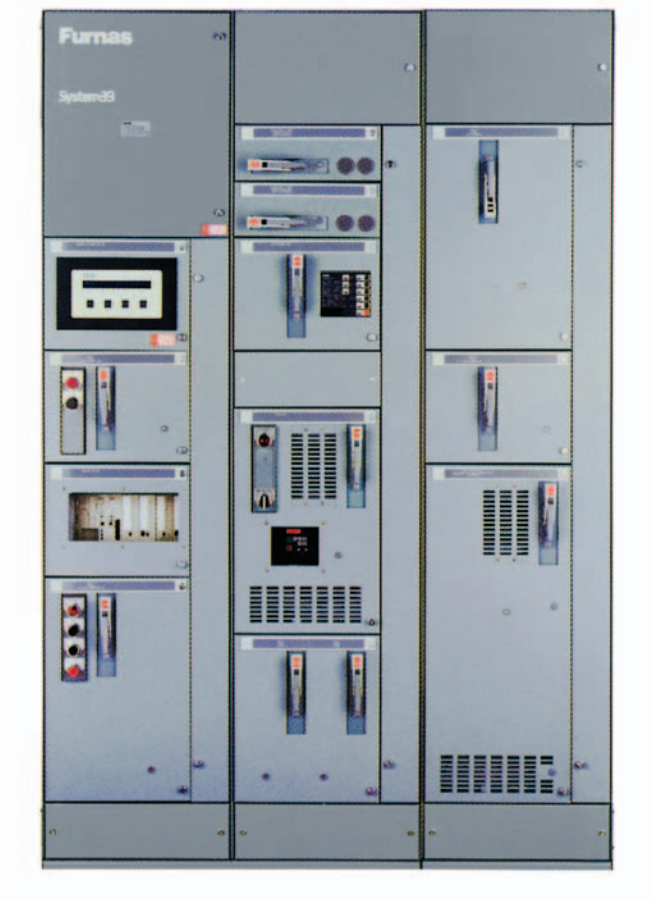

SIEMENS
MOTOR CONTROL CENTER
WICHITA FALLS, TEXAS MADE IN U.S.A.
460 VOLTS 3 PHASE 60 HERTZ
HORIZ. & VERT. BUS BRACED FOR SHORT CIRCUIT
CURRENT RATING OF 25KA AMPS R.M.S. SYM.
HORIZ. BUS CONTINUOUS RATING 800. AMPS
MCC SHORT-CIRCUIT CURRENT RATING
25KA RMS SYMMETRICAL AMPERES.
DO NOT INSTALL ON CIRCUITS WITH
AVAILABLE SHORT-CIRCUIT CURRENTS
GREATER THAN THE MCC RATING.
MCC SERIAL NO. 01-1465-55126-01
MCC PART NO. 9-001-55126-01

Important Note:
Models produced between 1982–1985 may feature a vertical bus phase isolation barrier. The Model 95 style retrofit buckets cannot be used due to interference with the bucket stabs. The unit will instead be supplied as a panel-mounted unit that is cabled to the horizontal bus (cables are provided).

The aftermarket units cannot be installed in the top location of the existing MCC structure.



Furnas System89

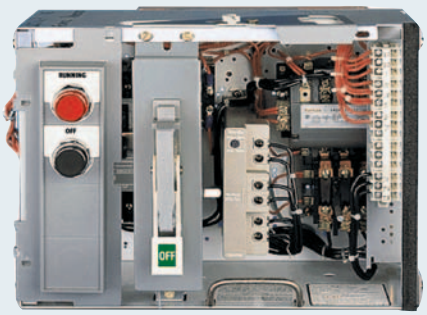


System89™
Motor Control Centers

Product Description

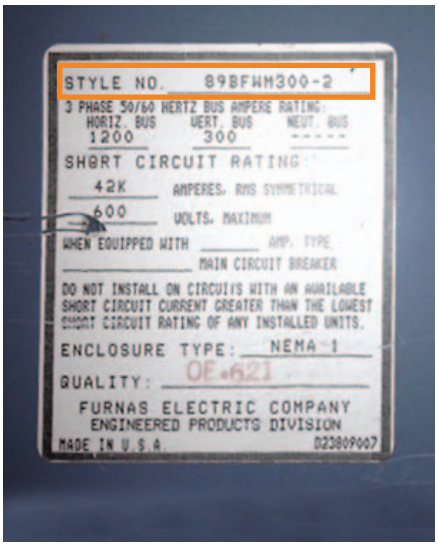
This is an upgrade from Class89 developed by Furnas in 1965. Unit structures are normally 15" or 20" wide, and 12" tall with 6" increments. The original System89 came with a variety of CB and starters from Westinghouse, GE and Furnas Electric. Today, we provide you with Siemens breakers and starters.

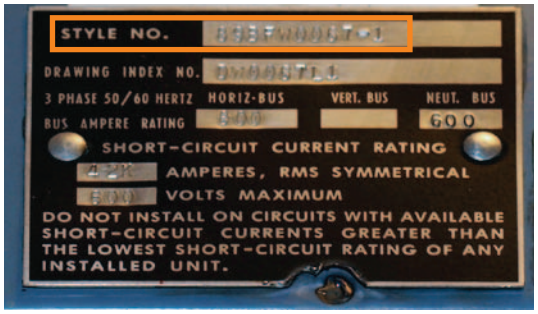
Add-on MCCs:
A new tiastar MCC can be directly spliced to existing line-up.



Timeline: 1979 – 2001
Original Mfg: Furnas Electric
MCC#: 89BF#####-###
89BS#####-###
89BB#####-###

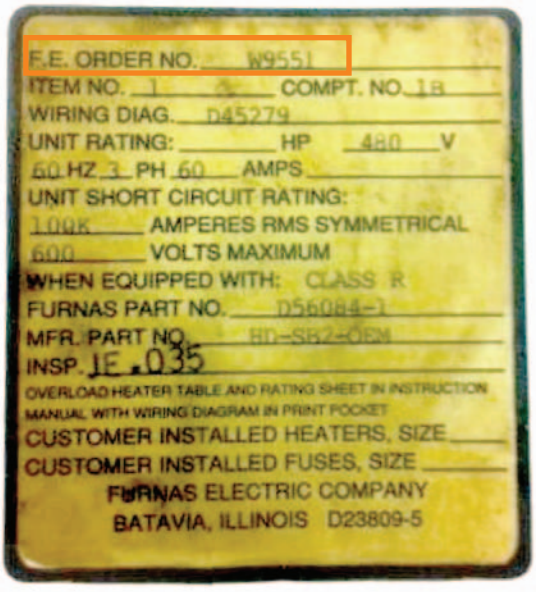
Label Identification





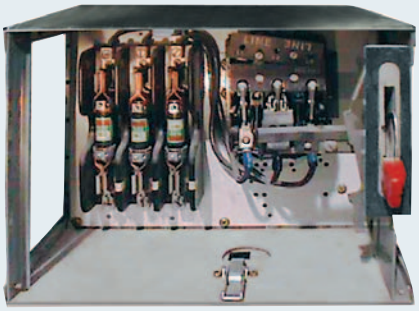
Furnas Class89

Label Identification



Product Description

Original components are no longer available. Replacement units are no longer available. A new tiastar MCC can be cabled to an existing line up with an MLO assembly.



Timeline: 1965 – 1979
Original Mfg: Furnas Electric
MCC#: 89FVXX###-###
89SVXX###-###
89BVXX###-###

Allis-Chalmers Mark 2

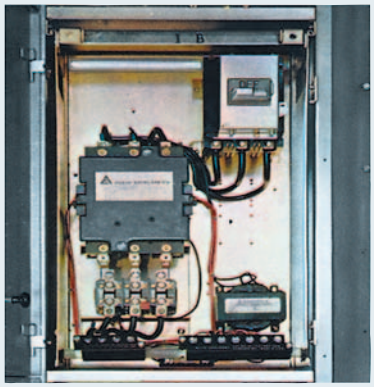
ALLIS-CHALMERS

VALUELINE mark 2 MOTOR CONTROL CENTER

Product Description

The Mark 2 retrofit units are designed to fit into their old design. This is an upgrade from the Mark 1 in ValueLine family. Unit widths are normally 15" or 20" wide, and 12" tall with 6" increments. The original Mark 2 came with a variety of CB and starters from Westinghouse and Allis-Chalmers. Original components are no longer available. Today, we provide you with Siemens breakers and starters.

Add-on MCCs:
A new tiastar MCC can be directly spliced to existing line-up.



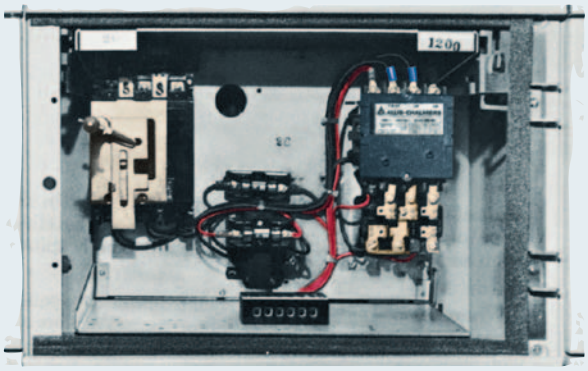
Timeline: 1972 – 1975
Original Mfg: Siemens
MCC#: #####

Important Note:
The aftermarket units cannot be installed in the top location of the existing MCC structure.

Allis-Chalmers Mark 1

Product Description

Original components are no longer available. Replacement units are no longer available. A new tiastar MCC can be cabled to an existing line up with an MLO assembly



Timeline: 1965 – 1971
Original Mfg: Allis Chambers
MCC#: #####

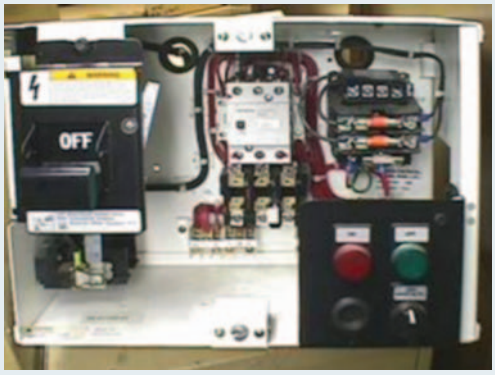
ITE Gould 5600

Product Description

The 5600 MCC retrofit units were designed to fit into their old design. Units are 15" wide and the fix mounted panels are 20" wide. Original components are not longer available. Today we provide you with Siemens starters and breakers.

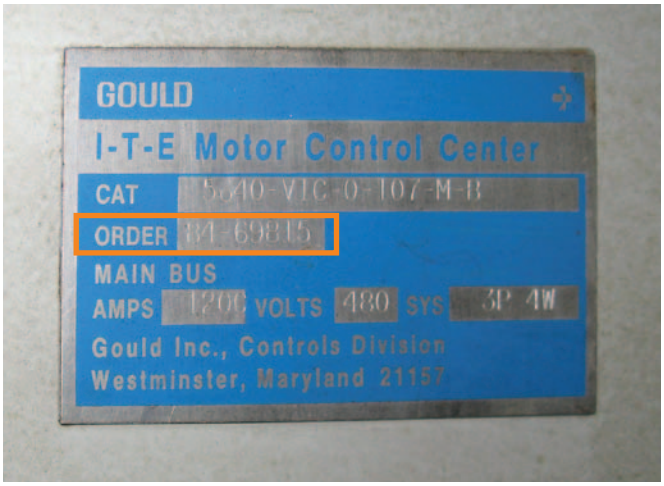
Note: Units can be provided as a fix-mounted unit cabled to the horizontal bus, or as a plug-in unit.

Add-on MCCs:
A new tiastar MCC can be cabled to an existing line up with an MLO assembly.



Timeline 5600: 1971 – 1992
Original Mfg: ITE / Rowan Control
MCC#: 84-#####
85-#####
86-#####

Label Identification



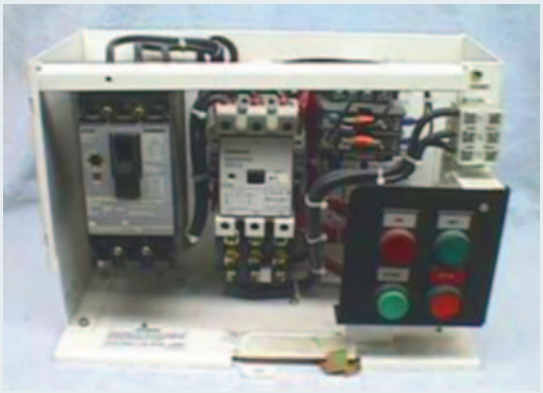
ITE Gould 9600

Product Description

The 9600 MCC retrofit units were designed to fit into their old design. Units are 20". Original components are no longer available. Today we provide you with Siemens breakers and starters.

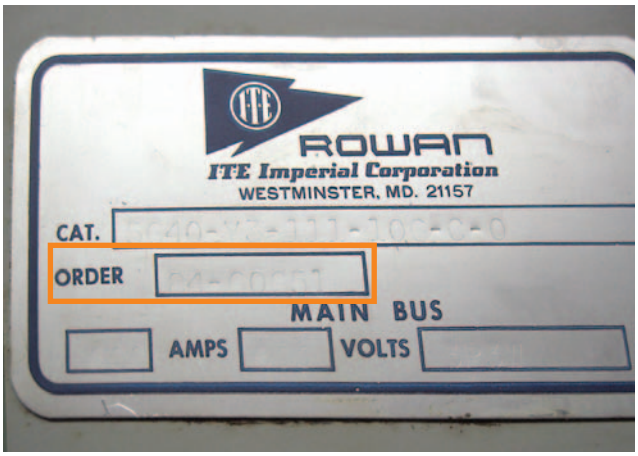
Note: Units can be provided only as a fix-mounted unit cabled to the horizontal bus.

Add-on MCCs:
Replacement units are not available. A new tiastar MCC can be cabled to an existing line up with an MLO assembly.



Timeline: 1964 – 1971
Original Mfg: ITE / Rowan Control
MCC#: 84-#####
85-#####
86-#####

Label Identification



Request for Quote

To request a quote for aftermarket MCC units,
please visit www.usa.siemens.com/mccaftermarket

Siemens Industry, Inc.
Industry Automation Division
3333 Old Milton Parkway
Alpharetta, GA 30005
1-800 -241-4453

info.us@siemens.com

www.usa.siemens.com/mccaftermarket

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