

Feeder Circuit Breaker (FCB) Catalog Units

Common tiastar FCB units are available as catalog numbers. Orders can be placed via Industry Mall or COMPAS. Units are 480V, 60Hz, NEMA 12. Units include: door, wiring diagram, and unit installation manual.

FCB Catalog Numbering System

8 P G 1 1 1 2 1 B A 0 0

Class

8 P G 1 1 tiastar MCC

Unit Size

- 1 Standard
- 2 High Density

Compartment type

- 2 Plug-in units

Overload Type

- 1 None

Product type

- B FCB

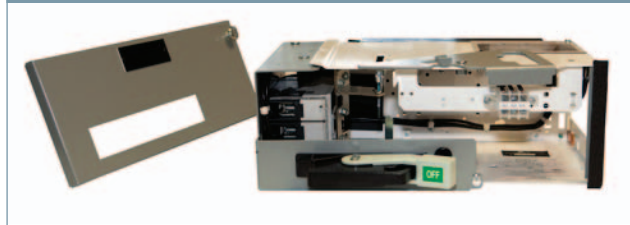
Ratings and Unit Size at 480V

A	65K 125A 6"
B	65K 125A 12"
C	65K 125A 18"
D	65K 125A 24"
E	65K 125A 36"
F	65K 125A 48"
G	65K 250A 18"
H	65K 250A 24"
I	65K 250A 36"
J	65K 250A 48"
K	65K 250A 60"
L	100K 250A 24"
M	100K 250A 36"
N	100K 250A 48"
P	100K 250A 60"

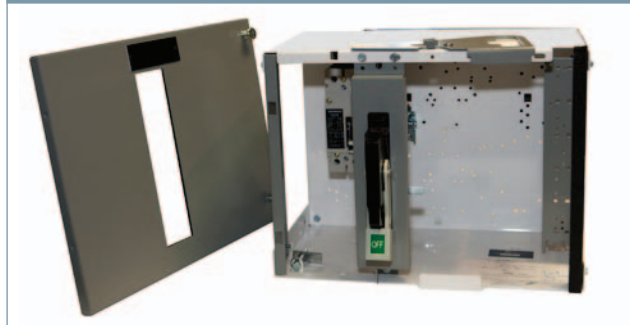
Circuit Breaker Trip Amps

0	0	15	
0	0	1	20
0	0	2	25
0	0	3	30
0	0	4	35
0	0	5	40
0	0	6	45
0	0	7	50
0	0	8	60
0	1	0	70
1	1	1	80
1	1	2	90
1	1	3	100
1	1	4	110
1	1	5	125
1	1	6	150
1	1	7	175
1	1	8	200
2	0		225
2	2	1	250

tiastar 6" FCB Catalog Unit



tiastar 12" FCB Catalog Unit



FCB Catalog Numbers

Product Description	Catalog Number
480V 65K 125A 6" High Density	
15A	8PG1122-1BA00
20A	8PG1122-1BA01
25A	8PG1122-1BA02
30A	8PG1122-1BA03
35A	8PG1122-1BA04
40A	8PG1122-1BA05
45A	8PG1122-1BA06
50A	8PG1122-1BA07
60A	8PG1122-1BA08
70A	8PG1122-1BA10
80A	8PG1122-1BA11
90A	8PG1122-1BA12
100A	8PG1122-1BA13
110A	8PG1122-1BA14
125A	8PG1122-1BA15
480V 65K 125A 12"	
15A	8PG1112-1BB00
20A	8PG1112-1BB01
25A	8PG1112-1BB02
30A	8PG1112-1BB03
35A	8PG1112-1BB04
40A	8PG1112-1BB05
45A	8PG1112-1BB06
50A	8PG1112-1BB07
60A	8PG1112-1BB08
70A	8PG1112-1BB10
80A	8PG1112-1BB11
90A	8PG1112-1BB12
100A	8PG1112-1BB13
110A	8PG1112-1BB14
125A	8PG1112-1BB15
480V 65K 125A 18"	
15A	8PG1112-1BC00
20A	8PG1112-1BC01
25A	8PG1112-1BC02
30A	8PG1112-1BC03
35A	8PG1112-1BC04
40A	8PG1112-1BC05
45A	8PG1112-1BC06
50A	8PG1112-1BC07
60A	8PG1112-1BC08
70A	8PG1112-1BC10
80A	8PG1112-1BC11
90A	8PG1112-1BC12
100A	8PG1112-1BC13
110A	8PG1112-1BC14
125A	8PG1112-1BC15

Product Description	Catalog Number
480V 65K 125A 24"	
15A	8PG1112-1BD00
20A	8PG1112-1BD01
25A	8PG1112-1BD02
30A	8PG1112-1BD03
35A	8PG1112-1BD04
40A	8PG1112-1BD05
45A	8PG1112-1BD06
50A	8PG1112-1BD07
60A	8PG1112-1BD08
70A	8PG1112-1BD10
80A	8PG1112-1BD11
90A	8PG1112-1BD12
100A	8PG1112-1BD13
110A	8PG1112-1BD14
125A	8PG1112-1BD15
480V 65K 125A 36"	
15A	8PG1112-1BE00
20A	8PG1112-1BE01
25A	8PG1112-1BE02
30A	8PG1112-1BE03
35A	8PG1112-1BE04
40A	8PG1112-1BE05
45A	8PG1112-1BE06
50A	8PG1112-1BE07
60A	8PG1112-1BE08
70A	8PG1112-1BE10
80A	8PG1112-1BE11
90A	8PG1112-1BE12
100A	8PG1112-1BE13
110A	8PG1112-1BE14
125A	8PG1112-1BE15
480V 65K 125A 48"	
15A	8PG1112-1BF00
20A	8PG1112-1BF01
25A	8PG1112-1BF02
30A	8PG1112-1BF03
35A	8PG1112-1BF04
40A	8PG1112-1BF05
45A	8PG1112-1BF06
50A	8PG1112-1BF07
60A	8PG1112-1BF08
70A	8PG1112-1BF10
80A	8PG1112-1BF11
90A	8PG1112-1BF12
100A	8PG1112-1BF13
110A	8PG1112-1BF14
125A	8PG1112-1BF15

FCB Catalog Numbers

480V 65K 250A 18"	
150A	8PG1112-1BG16
175A	8PG1112-1BG17
200A	8PG1112-1BG18
225A	8PG1112-1BG20
250A	8PG1112-1BG21

480V 65K 250A 24"	
150A	8PG1112-1BH16
175A	8PG1112-1BH17
200A	8PG1112-1BH18
225A	8PG1112-1BH20
250A	8PG1112-1BH21

480V 65K 250A 36"	
150A	8PG1112-1BI16
175A	8PG1112-1BI17
200A	8PG1112-1BI18
225A	8PG1112-1BI20
250A	8PG1112-1BI21

480V 65K 250A 48"	
150A	8PG1112-1BJ16
175A	8PG1112-1BJ17
200A	8PG1112-1BJ18
225A	8PG1112-1BJ20
250A	8PG1112-1BJ21

480V 65K 250A 60"	
150A	8PG1112-1BK16
175A	8PG1112-1BK17
200A	8PG1112-1BK18
225A	8PG1112-1BK20
250A	8PG1112-1BK21

480V 100K 250A 24"	
150A	8PG1112-1BL16
175A	8PG1112-1BL17
200A	8PG1112-1BL18
225A	8PG1112-1BL20
250A	8PG1112-1BL21

480V 100K 250A 36"	
150A	8PG1112-1BM16
175A	8PG1112-1BM17
200A	8PG1112-1BM18
225A	8PG1112-1BM20
250A	8PG1112-1BM21

480V 100K 250A 48"	
150A	8PG1112-1BN16
175A	8PG1112-1BN17
200A	8PG1112-1BN18
225A	8PG1112-1BN20
250A	8PG1112-1BN21

480V 100K 250A 60"	
150A	8PG1112-1BP16
175A	8PG1112-1BP17
200A	8PG1112-1BP18
225A	8PG1112-1BP20
250A	8PG1112-1BP21

Full Voltage Non-Reversing (FNVR) Catalog Units

Common tiastar FNVR units are available as catalog numbers. Orders can be placed via Industry Mall or COMPAS. Units are 480V, 60Hz, NEMA 12, Type 1 B-d Wiring, 100kAIC. Units include: 1 N.O./1 N.C. auxiliary contacts, pilot device housing for up to four 22 mm devices, door, wiring diagram, and unit installation manual.

FVNR Catalog Numbering System

8 P G 1 1 1 2 1 A A 0 0

Class

8 P G 1 1 tiastar MCC

Unit Size

- 1 Standard
- 2 High Density

Compartment type

- 2 Plug-in units

Overload type

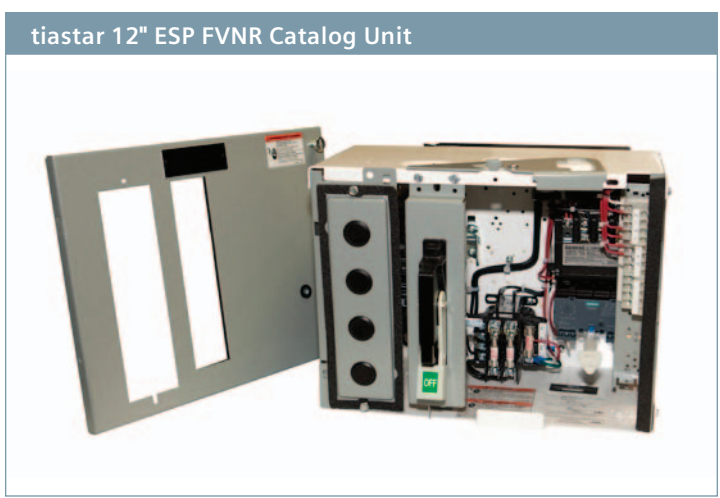
- 1 ESP200
- 2 SIMOCODE Pro C¹²
- 3 SIMOCODE Pro V¹²

Product type

- A FVNR

Horsepower

A	0	0	1/4
A	0	1	1/3
A	0	2	1/2
A	0	3	3/4-1
A	0	4	1.5
A	0	5	2-3
A	0	6	4
A	0	7	5
A	0	8	7.5-10
A	1	0	15-20
A	1	1	25
A	1	2	30
A	1	3	40-50
A	1	4	60-75
A	1	5	100



1 Includes Current Only Module
2 Not available with High Density

FVNR Catalog Numbers

Product Description	Catalog Number
High Density ESP 200 Overload Units	
6", 1/4 HP HD-FVNR SIZE 1, 1A ETI CB, ESP 200 0.25-1A, CPT	8PG1122-1AA00
6", 1/3 HP HD-FVNR SIZE 1, 2A ETI CB, ESP 200 0.25-1A, CPT	8PG1122-1AA01
6", 1/2 HP HD-FVNR SIZE 1, 3A ETI CB, ESP 200 0.75-3.4A, CPT	8PG1122-1AA02
6", 3/4 - 1 HP HD-FVNR SIZE 1, 5A ETI CB, ESP 200 0.75-3.4A, CPT	8PG1122-1AA03
6", 1.5 HP HD-FVNR SIZE 1, 10A ETI CB, ESP 200 0.75-3.4A, CPT	8PG1122-1AA04
6", 2 - 3 HP HD-FVNR SIZE 1, 10A ETI CB, ESP 200 3-12A, CPT	8PG1122-1AA05
6", 4 HP HD-FVNR SIZE 1, 25A ETI CB, ESP 200 3-12A, CPT	8PG1122-1AA06
6", 5 HP HD-FVNR SIZE 1, 30A ETI CB, ESP 200 3-12A, CPT	8PG1122-1AA07
6", 7.5 - 10 HP HD-FVNR SIZE 1, 40A ETI CB, ESP 200 5.5-22A, CPT	8PG1122-1AA08
6", 15 - 20 HP HD-FVNR SIZE 2, 50A ETI CB, ESP 200 10-40A, CPT	8PG1122-1AA10
6", 25 HP HD-FVNR SIZE 2, 100A ETI CB, ESP 200 10-40A, CPT	8PG1122-1AA11
12", 30 HP HD-FVNR SIZE 3, 100A ETI CB, ESP 200 25-100A, CPT	8PG1122-1AA12
12", 40 - 50 HP HD-FVNR SIZE 3, 125A ETI CB, ESP 200 25-100A, CPT	8PG1122-1AA13
ESP200 Overload Units	
12", 1/4 HP FVNR SIZE 1, 1A ETI CB, ESP 200 0.25-1A, CPT	8PG1112-1AA00
12", 1/3 HP FVNR SIZE 1, 2A ETI CB, ESP 200 0.25-1A, CPT	8PG1112-1AA01
12", 1/2 HP FVNR SIZE 1, 3A ETI CB, ESP 200 0.75-3.4A, CPT	8PG1112-1AA02
12", 3/4 - 1 HP FVNR SIZE 1, 5A ETI CB, ESP 200 0.75-3.4A, CPT	8PG1112-1AA03
12", 1.5 HP FVNR SIZE 1, 10A ETI CB, ESP 200 0.75-3.4A, CPT	8PG1112-1AA04
12", 2 - 3 HP FVNR SIZE 1, 10A ETI CB, ESP 200 3-12A, CPT	8PG1112-1AA05
12", 4 HP FVNR SIZE 1, 25A ETI CB, ESP 200 3-12A, CPT	8PG1112-1AA06
12", 5 HP FVNR SIZE 1, 30A ETI CB, ESP 200 3-12A, CPT	8PG1112-1AA07
12", 7.5 - 10 HP FVNR SIZE 1, 40A ETI CB, ESP 200 5.5-22A, CPT	8PG1112-1AA08
12", 15 - 20 HP FVNR SIZE 2, 50A ETI CB, ESP 200 13-52A, CPT	8PG1112-1AA10
12", 25 HP FVNR SIZE 2, 100A ETI CB, ESP 200 13-52A, CPT	8PG1112-1AA11
18", 30 HP FVNR SIZE 3, 100A ETI CB, ESP 200 25-100A, CPT	8PG1112-1AA12
18", 40 - 50 HP FVNR SIZE 3, 125A ETI CB, ESP 200 25-100A, CPT	8PG1112-1AA13
24", 60 - 75 HP FVNR SIZE 4, 150A ETI CB, ESP 200 50-200A, CPT	8PG1112-1AA14
24", 100 HP FVNR SIZE 4, 250A ETI CB, ESP 200 50-200A, CPT	8PG1112-1AA15

FVNR Catalog Numbers

Product Description	Catalog Number
SIMOCODE PRO C¹²	
12", 1/4 HP FVNR SIZE 1, 1A ETI CB, SIMOCODE PRO C 0.3-3 AMPS, CPT	8PG1112-2AA00
12", 1/3 HP FVNR SIZE 1, 2A ETI CB, SIMOCODE PRO C 0.3-3 AMPS, CPT	8PG1112-2AA01
12", 1/2 HP FVNR SIZE 1, 3A ETI CB, SIMOCODE PRO C 0.3-3 AMPS, CPT	8PG1112-2AA02
12", 3/4 - 1 HP FVNR SIZE 1, 5A ETI CB, SIMOCODE PRO C 0.3-3 AMPS, CPT	8PG1112-2AA03
12", 1.5 HP FVNR SIZE 1, 10A ETI CB, SIMOCODE PRO C 2.4-25 AMPS, CPT	8PG1112-2AA04
12", 2 - 3 HP FVNR SIZE 1, 10A ETI CB, SIMOCODE PRO C 2.4-25 AMPS, CPT	8PG1112-2AA05
12", 4 HP FVNR SIZE 1, 25A ETI CB, SIMOCODE PRO C 2.4-25 AMPS, CPT	8PG1112-2AA06
12", 5 HP FVNR SIZE 1, 30A ETI CB, SIMOCODE PRO C 2.4-25 AMPS, CPT	8PG1112-2AA07
12", 7.5 - 10 HP FVNR SIZE 1, 40A ETI CB, SIMOCODE PRO C 2.4-25 AMPS, CPT	8PG1112-2AA08
12", 15 - 20 HP FVNR SIZE 2, 50A ETI CB, SIMOCODE PRO C 10-100 AMPS, CPT	8PG1112-2AA10
12", 25 HP FVNR SIZE 2, 100A ETI CB, SIMOCODE PRO C 10-100 AMPS, CPT	8PG1112-2AA11
18", 30 HP FVNR SIZE 3, 100A ETI CB, SIMOCODE PRO C 10-100 AMPS, CPT	8PG1112-2AA12
18", 40 - 50 HP FVNR SIZE 3, 125A ETI CB, SIMOCODE PRO C 10-100 AMPS, CPT	8PG1112-2AA13
24", 60 - 75 HP FVNR SIZE 4, 150A ETI CB, SIMOCODE PRO C 20-200 AMPS, CPT	8PG1112-2AA14
24", 100 HP FVNR SIZE 4, 250A ETI CB, SIMOCODE PRO C 20-200 AMPS, CPT	8PG1112-2AA15
SIMOCODE PRO V¹²	
12", 1/4 HP FVNR SIZE 1, 1A ETI CB, SIMOCODE PRO V 0.3-3 AMPS, CPT	8PG1112-3AA00
12", 1/3 HP FVNR SIZE 1, 2A ETI CB, SIMOCODE PRO V 0.3-3 AMPS, CPT	8PG1112-3AA01
12", 1/2 HP FVNR SIZE 1, 3A ETI CB, SIMOCODE PRO V 0.3-3 AMPS, CPT	8PG1112-3AA02
12", 3/4 - 1 HP FVNR SIZE 1, 5A ETI CB, SIMOCODE PRO V 0.3-3 AMPS, CPT	8PG1112-3AA03
12", 1.5 HP FVNR SIZE 1, 10A ETI CB, SIMOCODE PRO V 2.4-25 AMPS, CPT	8PG1112-3AA04
12", 2 - 3 HP FVNR SIZE 1, 10A ETI CB, SIMOCODE PRO V 2.4-25 AMPS, CPT	8PG1112-3AA05
12", 4 HP FVNR SIZE 1, 25A ETI CB, SIMOCODE PRO V 2.4-25 AMPS, CPT	8PG1112-3AA06
12", 5 HP FVNR SIZE 1, 30A ETI CB, SIMOCODE PRO V 2.4-25 AMPS, CPT	8PG1112-3AA07
12", 7.5 - 10 HP FVNR SIZE 1, 40A ETI CB, SIMOCODE PRO V 2.4-25 AMPS, CPT	8PG1112-3AA08
12", 15 - 20 HP FVNR SIZE 2, 50A ETI CB, SIMOCODE PRO V 10-100 AMPS, CPT	8PG1112-3AA10
12", 25 HP FVNR SIZE 2, 100A ETI CB, SIMOCODE PRO V 10-100 AMPS, CPT	8PG1112-3AA11
18", 30 HP FVNR SIZE 3, 100A ETI CB, SIMOCODE PRO V 10-100 AMPS, CPT	8PG1112-3AA12
18", 40 - 50 HP FVNR SIZE 3, 125A ETI CB, SIMOCODE PRO V 10-100 AMPS, CPT	8PG1112-3AA13
24", 60 - 75 HP FVNR SIZE 4, 150A ETI CB, SIMOCODE PRO V 20-200 AMPS, CPT	8PG1112-3AA14
24", 100 HP FVNR SIZE 4, 250A ETI CB, SIMOCODE PRO V 20-200 AMPS, CPT	8PG1112-3AA15

1 Includes Current Only Module

2 Not available with High Density

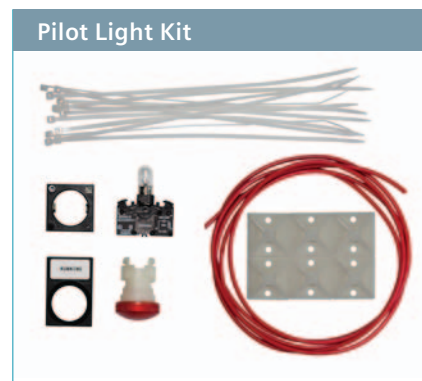
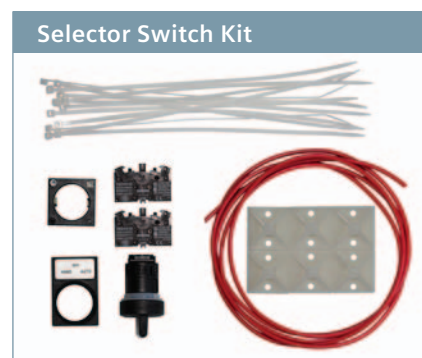
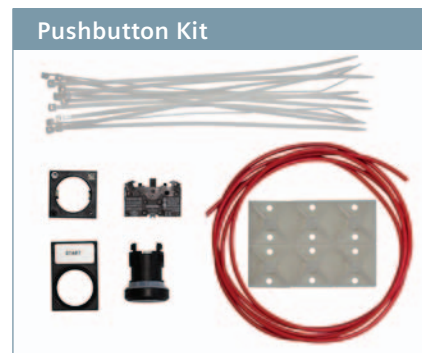
Common Modification Kits

Common modification kits includes pilot device(s), 16 gauge MTW wiring, wire tie, anchor, legend plate, wiring diagram, and installation guide.

Product Name	Kit Type
Push Button	Product MLFB
22MM Start - Stop Pushbutton Kit	8PG1182-1KA00
22MM Emergency Stop Pushbutton Kit ¹	8PG1182-1KA01
30MM Start - Stop Pushbutton Kit	8PG1182-1KA02
30MM Emergency Stop Pushbutton Kit ¹	8PG1182-1KA03

Selector Switch	Product MLFB
22MM Hand - Off - Auto Selector Switch Kit	8PG1182-1KB00
22MM Start - Stop Selector Switch Kit	8PG1182-1KB01
22MM Off - On Selector Switch Kit	8PG1182-1KB02
30MM Hand - Off - Auto Selector Switch Kit	8PG1182-1KB03
30MM Start - Stop Selector Switch Kit	8PG1182-1KB04
30MM Off - On Selector Switch Kit	8PG1182-1KB05

Pilot Lights	Product MLFB
22MM Off Pilot Light 120V Kit	8PG1182-1KC00
22MM On - Off Pilot Lights 120V Kit	8PG1182-1KC01
22MM Running - Off Pilot Lights 120V Kit	8PG1182-1KC02
22MM Running Pilot Light 120V Kit	8PG1182-1KC03
22MM Led Running Pilot Light 120V Kit	8PG1182-1KC04
22MM Led On - Off Pilot Lights 120V Kit	8PG1182-1KC05
22MM Push-To-Test On Pilot Light 120V Kit	8PG1182-1KC06
22MM Push-To-Test On - Off Pilot Lights 120V Kit	8PG1182-1KC07
22MM Led Push-To-Test On Pilot Light 120V Kit	8PG1182-1KC08
22MM Led Push-To-Test On - Off Pilot Lights 120V Kit	8PG1182-1KC10
30MM Off Pilot Light 120V Kit	8PG1182-1KC11
30MM On - Off Pilot Lights 120V Kit	8PG1182-1KC12
30MM Running - Off Pilot Lights 120V Kit	8PG1182-1KC13
30MM Running Pilot Light 120V Kit	8PG1182-1KC14
30MM Led Running Pilot Light 120V Kit	8PG1182-1KC15
30MM Led On - Off Pilot Lights 120V Kit	8PG1182-1KC16
30MM Push-To-Test On Pilot Light 120V Kit	8PG1182-1KC17
30MM Push-To-Test On - Off Pilot Lights 120V Kit	8PG1182-1KC18
30MM Led Push-To-Test On Pilot Light 120V Kit	8PG1182-1KC20
30MM Led Push-To-Test On - Off Pilot Lights 120V Kit	8PG1182-1KC21



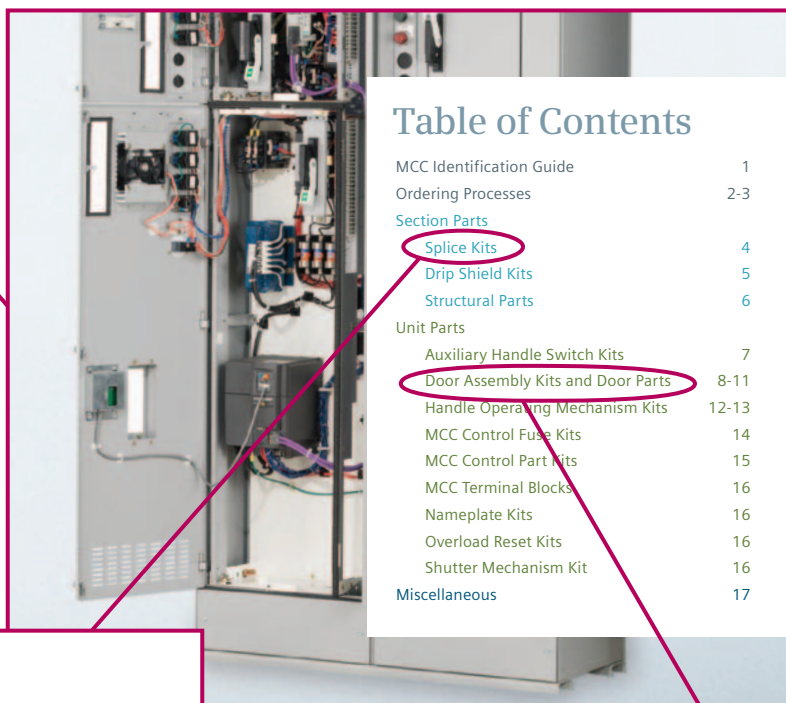
NOTE: Standard 30MM Nema 1 Pilot Device Housing Kit (8PG1192-1DF06) and 30MM Nema 12 Pilot Device Housing Kit (8PG1192-1DF07) are available.

¹ For an emergency stop device according to EN 418, please see the industrial controls catalog.

Other Modification Kits



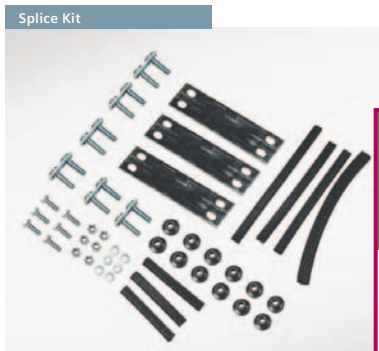
To order other parts for MCC modifications, refer to the "tiastar and legacy Motor Control Center Aftermarket Renewal Parts Catalog" which is literature order number MCCS-AFTMKT-0613. Find information on ordering Splice kits, Drip Shield kits, Door Kits, Terminal Blocks, etc.



Section Parts

Splice Kits

Bus splice plate(s), mounting hardware, and installation guide are included in the Splice Kit.



50°C Horizontal Bus Silver Plated Kit Type	Ordering Number
600A	8PG1191-2KA00
800A	8PG1191-2KA01
1200A	8PG1191-2KA02
1600A	8PG1191-2KA03
2000A	8PG1191-2KA04
2500A	8PG1191-2KA05

50°C Horizontal Bus Tin Plated Kit Type	Ordering Number
600A	8PG1191-2KB00
800A	8PG1191-2KB01
1200A	8PG1191-2KB02
1600A	8PG1191-2KB03
2000A	8PG1191-2KB04
2500A	8PG1191-2KB05

Neutral Bus Kit Type	Ordering Number
600A, Silver Plated	8PG1191-2KC00
800A, Silver Plated	8PG1191-2KC01
600A, Tin Plated	8PG1191-2KC02
800A, Tin Plated	8PG1191-2KC03

Ground Bus Kit Type	Ordering Number
300A, Top Mounted, Bare Copper	8PG1191-2KD00
600A, Top Mounted, Bare Copper	8PG1191-2KD01
300A, Bottom Mounted, Bare Copper	8PG1191-2KD02
600A, Bottom Mounted, Bare Copper	8PG1191-2KD03
300A, Top Mounted, Tin Plated	8PG1191-2KD04
600A, Top Mounted, Tin Plated	8PG1191-2KD05
300A, Bottom Mounted, Tin Plated	8PG1191-2KD06
600A, Bottom Mounted, Tin Plated	8PG1191-2KD07

65°C Horizontal Bus Silver Plated Kit Type	Ordering Number
600A	8PG1191-2KE00
800A	8PG1191-2KE01
1200A	8PG1191-2KE02

65°C Horizontal Bus Tin Plated Kit Type	Ordering Number
600A	8PG1191-2KF00
800A	8PG1191-2KF01
1200A	8PG1191-2KF02

Unit Parts

Door Assembly Kits and Door Parts—Model 95+ and System 89/tiastar

Door, hinges, and mounting hardware included in the Model 95+ and System 89/tiastar Door Assembly Kit.

Vertical Wireway Door Kit Type	Ordering Number
4" Wide By 12" Tall	8PG1192-1DD00
4" Wide By 18" Tall	8PG1192-1DD01
4" Wide By 24" Tall	8PG1192-1DD02
4" Wide By 30" Tall	8PG1192-1DD03
4" Wide By 36" Tall	8PG1192-1DD04
4" Wide By 42" Tall	8PG1192-1DD05
4" Wide By 48" Tall	8PG1192-1DD06
4" Wide By 54" Tall	8PG1192-1DD07
4" Wide By 60" Tall	8PG1192-1DD08
4" Wide By 66" Tall	8PG1192-1DD10
4" Wide By 72" Tall	8PG1192-1DD11
8" Wide By 12" Tall	8PG1192-1DD12
8" Wide By 18" Tall	8PG1192-1DD13
8" Wide By 24" Tall	8PG1192-1DD14



Door Kit Type	Ordering Number
6" High Density Unit Door Kit	8PG1192-1DE
15" Wide By 6" Tall Filler Door	8PG1192-1DE
15" Wide By 12" Tall Blank Door	8PG1192-1DE
15" Wide By 18" Tall Blank Door	8PG1192-1DE
15" Wide By 24" Tall Blank Door	8PG1192-1DE
15" Wide By 30" Tall Blank Door	8PG1192-1DE
15" Wide By 36" Tall Blank Door	8PG1192-1DE