

# ME Series Fused Sectionalizing Enclosures

Style Guide 1VAM224701-SG

April 16, 2009

Revision D



ABB's dead-front padmount ME series fused sectionalizing enclosures are designed for 200 ampere circuits to protect and sectionalize a system. The single- and three-phase versions are designed for durability and are available in 15 kV through 25 kV to fit your system requirements. Choose between current limiting or power fuses.

The ME style guide aids in the proper selection of your style number. When ordering the ME, the style number must be given to the factory.

Typical Style Code	M	E	P	1	3	2	2	R	N	S	X	M	N	S	2	S	X	X
Digit	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Table 1. MEC - Current Limiting Fuse Models

Digits 1-7	Line Diagram	Phase	No. of Fuses	Dimension			Weight (lbs)
				H (in)	W (in)	D (in)	
<b>15 kV</b>							
MEC1111		1	1	42	30	36	390
MEC1311		3	3	42	66	36	620
MEC1121		1	1	42	30	36	395
MEC1321		3	3	42	66	36	635
MEC1112		1	2	42	30	36	405
MEC1312		3	6	42	66	36	666



Digits 1-7	Line Diagram	Phase	No. of Fuses	Dimension			Weight (lbs)
				H (in)	W (in)	D (in)	
<b>15 kV</b>							
MEC1122		1	2	42	30	36	410
MEC1322		3	6	42	66	36	670
<b>25 kV</b>							
MEC2111		1	1	52	36	42	495
MEC2311		3	3	52	72	42	785
MEC2121		1	1	52	36	42	500
MEC2321		3	3	52	72	42	800
MEC2112		1	2	52	36	42	510
MEC2312		3	6	52	72	42	815
MEC2122		1	2	52	36	42	515
MEC2322		3	6	52	72	42	825

**Note:** Consult factory for alternate circuit configurations

**Table 2. MEP - Power Fuse Models**

Digits 1-7	Line Diagram	Phase	No. of Fuses	Dimension			Weight (lbs)
				H (in)	W (in)	D (in)	
<b>15 kV</b>							
MEP1111		1	1	52	36	42	530
MEP1311		3	3	52	72	42	970
MEP1121		1	1	52	36	42	545
MEP1321		3	3	52	72	42	985
MEP1112		1	2	52	36	42	565
MEP1312		3	6	52	72	42	1,075
MEP1122		1	2	52	36	42	570
MEP1322		3	6	52	72	42	1,090

Digits 1-7	Line Diagram	Phase	No. of Fuses	Dimension			Weight (lbs)
				H (in)	W (in)	D (in)	
<b>25 kV</b>							
MEP2111		1	1	58	36	48	625
MEP2311		3	3	58	84	48	1,155
MEP2121		1	1	58	36	48	630
MEP2321		3	3	58	84	48	1,170
MEP2112		1	2	58	36	48	665
MEP2312		3	6	58	84	48	1,260
MEP2122		1	2	58	36	48	670
MEP2322		3	6	58	84	48	1,275

**Note:** Consult factory for alternate circuit configurations

**Table 3. Fuse Mounting Options**

Digit 8	Description	Notes
<b>Current Limiting</b>		
A	Cooper NX Arc Stangler hinge style fuse mounting Code 1 Spacing	Maximum fuse rating is 40A. Arc-Strangler switch blades may be used in this application. Fuse mountings accept NX style fuses with 5/8" ferrules. Fuse extenders are available to increase length of fuse from code 4 to code 5 or from code 5 to code 6.
B	Cooper NX Arc Stangler hinge style fuse mounting Code 2 Spacing	
C	Cooper NX Clip Style fuse mounting with Code 4 spacing	
D	Cooper NX Clip Style fuse mounting with Code 5 Spacing (standard for 15KV)	
E	Cooper NX Clip Style fuse mounting with Code 6 Spacing (standard for 25KV)	
<b>Power Fusing</b>		
R	Non-loadbreak mountings to accept S&C SMU-20 power fuses	Also accept Cutler Hammer DBU style fuses.
S	Loadbreak mountings to accept S&C SMU-20 power fuses	Also accept Cutler Hammer DBU style fuses.
T	Non-loadbreak mountings to accept S&C SM-4 power fuses	
U	Loadbreak mountings to accept S&C SM-4 power fuses	
Z	Customer specified	

**Table 4. Fuse End Fittings/holders**

Digit 9	Description
N	None
A	SMU-20/DBU End Fittings S&C #3097 (15 kV and 25 kV)
B	SMU-20/DBU End fittings C-H #DBU-EFID(15 and 25 kV)
C	SM-4 Non-Loadbreak Fuse Holders S&C #86632R2 (15KV)
D	SM-4 Non-Loadbreak Fuse Holders S&C #86633R2 (25KV)
E	SM-4 Loadbreak Fuse Holders S&C #92352 (15KV)
F	SM-4 Loadbreak Fuse Holders S&C #92353 (25KV)
Z	Customer specified

**Table 5. Inner Door Barriers**

Digit 10	Description
S	GPO-3 Inner Door Barriers (Standard)
L	Clear Polycarbonate Inner Door Barriers
Z	Customer specified

**Table 6. Fuse Storage Provisions**

Digit 11	Description
N	None
F	Storage Pocket For Spare Fuses on RH Fuse Compartment Door
Z	Customer specified

**Table 7. Enclosure Material**

Digit 12	Material
M	Mild Steel
A	Aluminum
S	Stainless Steel

**Table 8. Paint Color**

Digit 13	Color	Specification
S	Green	Guardian Green Munsell 7GY3.29/1.5 Standard
G	Gray	ANSI 70 Gray
T*	Tan*	Tan Munsell 10YR6.0./3.0
Z*	Special Paint Color*	Specify

\* Requires minimum release of five units.

**Table 9. Bushings**

Digit 14	Description
2	200 Amp Bushing Wells (Standard)
6	600 Amp Source Bushings (Aluminum)
9	600 Amp Source Bushings (Copper)

**Note:** No. of 600A bushings equals the no. of source connections times the no. of phases

**Table 10. Bushing Inserts**

Digit 15	Description
N	None
1	15KV 200A Loadbreak Inserts Installed
2	25KV 200A Loadbreak Inserts Installed
Z	Customer specified

**Note:** No. of inserts equals no. of circuit connections times the no. of phases (Elastimold brand furnished unless otherwise specified)

**Table 11. Bus Material**

Digit 16	Description
S	Aluminum Bus (Standard)
C	Copper Bus

**Table 12. Door Security**

	Description
0	Pentahead locking bolt (doors and barriers) (Standard)
H	Hexhead locking bolt (doors and barriers)
Z	Customer specified

**Note:** Hexhead bolt does not meet security requirements of ANSI C.57.12.28 or R.U.S.

**Table 13. Exterior Nameplate**

	<b>Description</b>
0	Interior vinyl nameplate (Standard)
A	Aluminum Nameplate on Outside of Doors
B	Aluminum Nameplate on Inside of Doors
Z	Customer specified

**Table 14. Ground Accessory Options**

	<b>Description</b>
A	Full Width 3/8" Round Copper Ground Bar in All Compartments
B	Ground Lugs 2/0 in Elbow Compartment
Z	Customer specified

**Table 15. Label Options**

<b>Digit 20</b>	<b>Description</b>
0	Label - Danger - Hazardous Voltage - NEMA "Mr. Ouch" (Inside Doors- Standard)
A	Label - Caution - High Voltage - Keep Out (Outside Doors)
B	Label - Warning - Hazardous Voltage- NEMA "Mr. Ouch" (Outside Doors)
C	Label - Warning - Hazardous Voltage - NEMA "Mr. Ouch" Bilingual (Outside Doors)
D	Label - Danger - Hazardous Voltage - NEMA "Mr. Ouch" Bilingual (Inside in place of English)
E	Label - "Fuses" and "Elbows" Outside on Compartment Doors
F	Label - "Fuses" and "Elbows" Outside on Compartment Doors and Warning - Hazardous Voltage - NEMA "Mr. Ouch" (Outside Doors)
G	Label - Warning - Hazardous Voltage - NEMA "Mr. Ouch" Bilingual (Outside Doors) and Label - Danger - Hazardous Voltage - NEMA "Mr. Ouch" Bilingual (Inside in place of English)
Z	Customer specified

**Note:** If there is a "Z" in any table or for other customer special accessories not listed above, a two-digit number will be assigned to replace digits 17-18

**Table 16. Static Accessories**

<b>Part Number</b>	<b>Accessory</b>	<b>Description</b>
80082000	Caution Label	Label - Caution - High Voltage - Keep Out (Outside Doors)
80082052	"Mr. Ouch" Warning Label	Label - Warning - Hazardous Voltage -NEMA "Mr. Ouch"
80082050	"Mr. Ouch" Danger Label	Label - Danger - Hazardous Voltage - NEMA "Mr. Ouch"
80082053	Bilingual "Mr. Ouch" Warning Label	Label - Warning - Hazardous Voltage - NEMA "Mr. Ouch" (Bilingual)
80082051	Bilingual "Mr. Ouch" Danger Label	Label - Danger - Hazardous Voltage - NEMA "Mr. Ouch" (Bilingual)
80082084	Fuses Label	Label - "Fuses" Outside Fuse Compartment Door
80082082	Elbows Label	Label - "Elbow" Outside Cable Compartment Door
60061375	Ground Lugs	Ground Lugs - 2/0 (Each)
33050191	Clamping Bracket	Hold Down Brackets (Set of 4)
70002600	FEXT4-5	Fuse Extender - Code 4 to Code 5 (each)
70002700	FEXT5-6	Fuse Extender - Code 5 to Code 6 (each)



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