

FLANGE MOUNT DISCONNECT

FMD ENCLOSURES

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AE Wallmount FMD Enclosures



AE Wallmount Carbon Steel Cabinets

Superior in design, Rittal's AE flange mounted disconnect enclosures have fewer moving parts, which reduces assembly and installation time. The special lock system integrates the door lock, operating lever, and door handle into one smooth operating system. The unique, hinged flange door provides easy access during installation and provides more usable installation space.

Allen Bradley:
1494 V operators for disconnects/circuit breakers

Cutler Hammer/Westinghouse:
C361 operators for disconnect switches
C371 operators for circuit breakers

General Electric:
Type STDA operators for disconnects

ITE/Siemens:
Max-Flex operators for disconnect switches/circuit breakers

Square D:
Class 9422 operators for disconnects/circuit breakers

ABB:
Operators for disconnect switches/circuit breakers

Handle cutout and location has been designed for applications up to 200A.

Configuration

- NEMA 1, and 12/IP 55 protection
- UL/CSA approvals
- Hinged flange door allows easy component installation and a larger mounting panel
- Universal cut-out accepts most operator handles up to 200A
- All disconnecting hardware is included
- Rear mounting holes allow direct wallmounting or the use of optional mounting feet
- Reinforced mounting panel included
- Powder paint provides superior corrosion protection
- Knife-edge design protects against liquid entry

Technical Specifications

- Material:**
- Sheet steel
- *Housing:* 16 ga/1.5 mm
 - *Door:* 14 ga/2 mm
 - *Mounting panel:* 14 ga/2 mm hot-dipped galvanized zinc

- Finish/color:**
- *Housing and door:* powder painted, RAL 7032 pebble grey
 - *Mounting panel:* Type M

Protection Ratings

NEMA Type ☒ 1 ☐ 4 ☐ 4X ☒ 12 ☐ 13

Certifications/Approvals

Listings ☒ UL ☐ CUL ☒ CSA ☐ TÜV

Technical Drawings

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Enclosure										Mounting Panel			
Part No.	Nominal outside dimensions H"xW"xD" (approximate)	NEMA rating	Number of doors	Exact outside dimensions						Dimensions			
				inches			mm			inches		mm	
				H	W	D	H	W	D	H	W	H	W
1075600	30x24x8	1, 12	1	29.92	23.62	8.27	760	600	210	28.74	21.61	730	549
1074600	30x30x12	1, 12	1	29.92	29.92	11.81	760	760	300	28.74	27.72	730	704
1183600	40x32x12	1, 12	1	39.37	31.50	11.81	1000	800	300	37.60	29.09	955	739
1283600	47x32x12	1, 12	1	47.24	31.50	11.81	1200	800	300	45.47	29.13	1155	740
1115600	55x40x12	1, 12	1	55.12	39.37	11.81	1400	1000	300	53.35	37.00	1355	940

Accessories			
Part No.	Wallmounting brackets		Plastic print pocket
	3/8" standoff	1 1/2" standoff	
1075600	2508200	2503200	2514000
1074600	2508200	2503200	2514000
1183600	2508200	2503200	2514000
1283600	2508200	2503200	2514000
1115600	2508200	2503200	2514000



NEMA 4 Wallmount Boxes



Carbon Steel FMD Cabinets

Rittal Electromate NEMA rated wallmount disconnect enclosures accept all standard available disconnects and circuit breakers, including:

Allen Bradley:
1494 V operators for disconnects/circuit breakers

Cutler Hammer/Westinghouse:
C361 operators for disconnect switches
C371 operators for circuit breakers

General Electric:
Type STDA operators for disconnects

ITE/Siemens:
Max-Flex operators for disconnect switches/circuit breakers

Square D:
Class 9422 operators for disconnects/circuit breakers

ABB:
Operators for disconnect switches/circuit breakers



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Configuration

- Continuously welded seams, finished smooth
- Continuous stainless steel hinge with removable pin
- Robotically applied urethane gasket
- Rolled edge prevents entry of dirt and liquids
- Cutout in body for operating handle
- 12 gauge stainless steel captive clamps
- Mounting panel provisions installed
- External mounting brackets
- Print pocket included
- UL/cUL approvals

Technical Specifications

- Material:**
- Enclosure/door:* 14 gauge carbon steel
- Finish/color:**
- Enclosure/door:* polyester-urethane powder coat over phosphatized surfaces - ANSI 61 grey outside and white inside
 - Optional mounting panels:* painted white

Protection Ratings

NEMA Type ☐ 1 ☒ 4 ☐ 4X ☐ 12 ☐ 13

Certifications/Approvals

Listings ☒ UL ☒ CUL ☐ CSA ☐ TÜV

Technical Drawings

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Enclosure				Mounting Panel			
Part No.	Outside dimensions (inches)			Part No.	Panel size		Usable depth
	H	W	D		H	W	
E 24HS2108	24.00	21.38	8.00	E 24P20	21.00	17.00	8.00
E 36HS3108	36.00	31.38	8.00	E 36P30	33.00	27.00	7.37*
E 42HS3112	42.00	31.38	12.00	E 42P30	39.00	27.00	11.37*
E 48HS3712	48.00	37.38	12.00	E 48P36	45.00	33.00	11.37*

* Usable depth reduced by .625" at stiffener.

Accessories		
Part No.	Window kit	Touch-up paint
E 24HS2108	E PWK1711NF	E L21
E 36HS3108	E PWK2919NF	E L21
E 42HS3112	E PWK3523NF	E L21
E 48HS3712	E PWK3523NF	E L21





NEMA 12 Wallmount Boxes



Carbon Steel FMD Cabinets

Rittal Electromate NEMA rated wallmount disconnect enclosures accept all standard available disconnects and circuit breakers, including:

Allen Bradley:
1494 V operators for disconnects/circuit breakers

Cutler Hammer/Westinghouse:
C361 operators for disconnect switches
C371 operators for circuit breakers

General Electric:
Type STDA operators for disconnects

ITE/Siemens:
Max-Flex operators for disconnect switches/circuit breakers

Square D:
Class 9422 operators for disconnects/circuit breakers

ABB:
Operators for disconnect switches/circuit breakers

Note:
Additional door hardware is required and must be ordered from disconnect manufacturer.

Configuration

- Continuously welded seams, finished smooth
- Continuous steel hinge with removable pin
- Urethane gasket
- Rolled edge prevents entry of dirt and liquids
- Cutouts in body and door for operating handle, operating mechanism, and door closing mechanism
- Mounting panel provisions installed
- External mounting brackets
- Print pocket included
- UL/cUL approvals

Technical Specifications

- Material:**
- Enclosure/door:* 14 gauge carbon steel
- Finish/color:**
- Enclosure/door:* polyester-urethane powder coat over phosphatized surfaces – ANSI 61 grey outside and white inside
 - Optional mounting panels:* painted white

Protection Ratings

NEMA Type ☒ 1 ☐ 4 ☐ 4X ☒ 12 ☐ 13

Certifications/Approvals

Listings ☒ UL ☒ CUL ☐ CSA ☐ TÜV

Technical Drawings

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Enclosure				Mounting Panel			
Part No.	Outside dimensions (inches)			Part No.	Panel size		Usable depth
	H	W	D		H	W	
E 20SA2208	20.00	21.38	8.00	E 20P20	17.00	17.00	7.75
E 30SA2608	30.00	25.38	8.00	E 30P24	27.00	21.00	7.75
E 30SA2210	30.00	21.38	10.00	E 30P20	27.00	17.00	9.75
E 30SA2610	30.00	25.38	10.00	E 30P24	27.00	21.00	9.75
E 36SA3210	36.00	31.38	10.00	E 36P30	33.00	27.00	9.12*
E 36SA3212	36.00	31.38	12.00	E 36P30	33.00	27.00	11.12*
E 42SA3212	42.00	31.38	12.00	E 42P30	39.00	27.00	11.12*
E 48SA3812	48.00	37.38	12.00	E 48P36	45.00	33.00	11.12*
E 60SA3812	60.00	37.38	12.00	E 60P36	57.00	33.00	11.12*
E 60SA3816	60.00	37.38	16.00	E 60P36	57.00	33.00	15.12*

* Usable depth reduced by .625" at door stiffener.
Note: Designed for 200 and 400 amp Allen Bradley Bulletin 1494V disconnect switches using 1494V-H2 operating handle.

Accessories		
Part No.	Window kit	Touch-up paint
E 20SA2208	E PWK138NF	E L21
E 30SA2608	E PWK2315NF	E L21
E 30SA2210	E PWK1711NF	E L21
E 30SA2610	E PWK2315NF	E L21
E 36SA3210	E PWK3523NF	E L21
E 36SA3212	E PWK2919NF	E L21
E 42SA3212	E PWK3521NF	E L21
E 48SA3812	E PWK3521NF	E L21
E 60SA3812	E PWK3521NF	E L21
E 60SA3816	E PWK3521NF	E L21

Note: Designed for 200 and 400 amp Allen Bradley Bulletin 1494V disconnect switches using 1494V-H2 operating handle.



TS8 Freestanding FMD Enclosures



TS8 FMD Enclosures

The revolutionary new Rittal TS8 represents a bold new dimension in enclosure design. This modular system boasts a strong, rigid 16-fold dual tubular frame. Multi-level mounting provides for optimum space efficiency and the symmetrical frame structure allows for complete assembly and configuration flexibility.

The cutouts on the flange doors of the TS8 FMD cabinets fit handles for:

- Allen Bradley:**
1494 V operators for disconnects/circuit breakers
- Cutler Hammer/Westinghouse:**
C361 operators for disconnect switches
C371 operators for circuit breakers
- General Electric:**
Type STDA operators for disconnects
- ITE/Siemens:**
Max-Flex operators for disconnect switches/circuit breakers
- Square D:**
Class 9422 operators for disconnects/circuit breakers
- ABB:**
Operators for disconnect switches/circuit breakers

Configuration

- Strong 16-fold frame with 30% more stability
- Symmetrical frame for optimal confurability
- NEMA 1, 12/IP 55 protection
- Quick and easy backward compatibility with PS 4000 enclosures
- Two mounting levels for additional installation opportunities
- Integrated continuous electrical bonding for grounding and EMC protection
- UL/cUL approvals

Technical Specifications

- Material:**
- *Body:* 16-fold, continuously welded
 - *Mounting panel:* zinc-plated, 11 ga/3 mm, sheet steel
- Finish/color:**
- *Body, door(s):* E-coat primed, RAL 7044; textured, powder coated on the outside RAL 7032
 - *Cable entry panels:* 3-part, zinc-plated, 16 ga/1.5 mm sheet steel

Protection Ratings

NEMA Type ☒ 1 ☐ 4 ☐ 4X ☒ 12 ☐ 13

Certifications/Approvals

Listings ☒ UL ☒ CUL ☐ CSA ☐ TÜV

Technical Drawings

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Enclosure									Mounting Panel			
Part No.	NEMA rating	Number of doors	Outside dimensions						Dimensions			
			inches			mm			inches		mm	
			H	W	D	H	W	D	H	W	H	W
8984600	1, 12	1	71	32	16	1800	800	400	66.77	27.52	1696	699
8985600	1, 12	1	71	32	20	1800	800	500	66.77	27.52	1696	699
8905600	1, 12	1	79	32	20	2000	800	500	74.65	27.52	1896	699
8906600	1, 12	1	79	32	24	2000	800	600	74.65	27.52	1896	699
8995600	1, 12	1	79	40	20	2000	1000	500	66.77	35.39	1696	899
8996600	1, 12	1	79	40	24	2000	1000	600	74.65	35.39	1896	899

Accessories					
Part No.	Side walls (required)	Front/rear components		Side trim panels	
		4"	8"	4"	8"
		High	High	High	High
8984600	8184200	8601800	8602800	8601040	8602040
8985600	8185200	8601800	8602800	8601050	8602050
8905600	8105200	8601800	8602800	8601050	8602050
8906600	8106200	8601800	8602800	8601060	8602060
8995600	8105200	8601000	8602000	8601050	8602050
8996600	8106200	8601000	8602000	8601060	8602060



PS Freestanding FMD Enclosures



PS Series Modular FMD Enclosures

Rittal's PS Series freestanding enclosures are the world's leading modular enclosures. The PS FMD enclosures feature the patented PS 4000 System, with the 9-fold profile frame and an extensive range of accessories—a solution for virtually all applications. Mounting holes at 1" intervals allow maximum space utilization.

Allen Bradley:
1494 V operators for disconnects/circuit breakers

Cutler Hammer/Westinghouse:
C361 operators for disconnect switches
C371 operators for circuit breakers

General Electric:
Type STDA operators for disconnects

ITE/Siemens:
Max-Flex operators for disconnect switches/circuit breakers

Square D:
Class 9422 operators for disconnects/circuit breakers

ABB:
Operators for disconnect switches/circuit breakers

Handle cutout and location has been designed for applications up to 200A. Contact your local Rittal representative for assistance for applications above 200A.

Configuration

- Universal cutout accepts most operator handles up to 200A
- Hinged flange door allows easy component installation and a larger mounting panel
- All disconnect hardware is included (4910000)
- Maximum strength and stability through welded frame and corner piece design
- Time saving quick assembly method through the use of the .98"/25 mm hole pattern
- Foamed-on gasket
- Unlimited versatility through a variety of standard modular accessories
- E-coat primer and powder paint provide superior corrosion resistance
- Enclosures can easily be interconnected and interlocked for multi-bay applications
- Patented frame design
- Reversible hinging door
- Knife-edge design averts liquid away from gasket
- Easy access to interior components from all sides
- Door stiffener/mounting frame on doors is standard
- Depth adjustable mounting panel
- Integrated grounding provisions on all surfaces

Technical Specifications

- Material:**
- *Frame:* 9-fold roll-formed, sheet steel
 - *Door(s):* 14 ga/2 mm sheet steel
 - *Rear wall:* 16 ga/1.5 mm sheet steel
 - *Mounting panel:* 11 ga/3 mm hot-dipped galvanized zinc

- Finish:**
- *Frame:* E-coat primed, RAL 7032 pebble grey
 - *Door, rear wall and roof:* E-coat primed, powder painted, RAL 7032 pebble grey
 - *Mounting panel:* Type M

Protection Ratings

NEMA Type ☒ 1 ☐ 4 ☐ 4X ☒ 12 ☐ 13

Certifications/Approvals

Listings ☒ UL ☐ CUL ☒ CSA ☐ TÜV

Technical Drawings

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Enclosure										Mounting Panel			
Part No.	Approximate outside dimensions H"xW"xD"	NEMA rating	Number of doors	Exact outside dimensions						Dimensions			
				inches			mm			inches		mm	
				H	W	D	H	W	D	H	W	H	W
4984600	71x32x16	1, 12	1	70.87	31.50	15.75	1800	800	400	66.77	27.52	1696	699
4985600	71x32x20	1, 12	1	70.87	31.50	19.69	1800	800	500	66.77	27.52	1696	699
4980600	71x39x20	1, 12	1	70.87	39.37	19.69	1800	1000	500	66.77	35.39	1696	899
4905600	79x32x20	1, 12	1	78.74	31.50	19.69	2000	800	500	74.65	27.52	1896	699
4906600	79x32x24	1, 12	1	78.74	31.50	23.62	2000	800	600	74.65	27.52	1896	699
4995600	79x39x20	1, 12	1	78.74	39.37	19.69	2000	1000	500	74.65	35.39	1896	899
4996600	79x39x24	1, 12	1	78.74	39.37	23.62	2000	1000	600	74.65	35.39	1896	899

Accessories											
Part No.	Sidewalls (required)	Base		Handle		Print pocket	Interconnecting kits		Side door interlocking	Interlocking rods 31"/800 mm length	Flourescent light
		4" high	8" high	Ergoform-S	Pushbutton insert		Brackets	Pins			
4984600	4184000	2823200	-	2450000	2468000	4116000	4582000	4580000	4911000	4918000	9968112
4985600	4185000	2829200	2830200	2450000	2468000	4116000	4582000	4580000	4911000	4918000	9968112
4980600	4185000	2914200	2915200	2450000	2468000	4116000	4582000	4580000	4911000	4918000	9968112
4905600	4105000	2829200	2830200	2450000	2468000	4118000	4582000	4580000	4911000	4918000	9968112
4906600	4106000	2833200	2834200	2450000	2468000	4118000	4582000	4580000	4911000	4918000	9968112
4995600	4105000	2914200	2915200	2450000	2468000	4118000	4582000	4580000	4911000	4918000	9968112
4996600	4106000	2916200	2917200	2450000	2468000	4118000	4582000	4580000	4911000	4918000	9968112



Freestanding Heavy Duty Enclosures



NEMA 12 Carbon Steel Cabinets

Rittal Electromate NEMA rated freestanding disconnect enclosures accept all standard available disconnects and circuit breakers, including:

- Allen Bradley:**
1494 V operators for disconnects/circuit breakers
1494 F operators for disconnect switches
1494 D operators for circuit breakers
- Cutler Hammer/Westinghouse:**
C361 operators for disconnect switches
C371 operators for circuit breakers
- General Electric:**
Type STDA operators for disconnects
- ITE/Siemens:**
Max-Flex operators for disconnect switches/circuit breakers
- Square D:**
Class 9422 operators for disconnects/circuit breakers
- ABB:**
Operators for disconnect switches/circuit breakers

Configuration

- Continuously welded seams, finished smooth
- Body stiffeners provide extra rigidity
- Center post can be removed for panel installation
- Urethane gasket
- Rolled edge prevents entry of dirt and liquids
- Heavy duty continuous steel hinge with removable pin
- Heavy duty 3-point latch secures doors
- Mounting panels included
- Doors can be closed in any order
- Mechanical interlock on master door prevents slave door from being opened unless master door is opened first
- Intergrated defeater on master door
- Operator adaptors may be used to fit most disconnect operators in universal cutout on flange
- Heavy duty lifting eyes
- Print pocket included
- UL/cUL approvals

Technical Specifications

- Material:**
- Enclosure/door:* 10 gauge carbon steel
 - Mounting panel:* 10 gauge carbon steel
- Finish/color:**
- Enclosure/door:* polyester-urethane powder coat over phosphatized surfaces – ANSI 61 grey outside and white inside
 - Mounting panel:* painted white

Protection Ratings

NEMA Type ☒ 1 ☐ 4 ☐ 4X ☒ 12 ☐ 13

Certifications/Approvals

Listings ☒ UL ☒ CUL ☐ CSA ☐ TÜV

Technical Drawings

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Enclosure				Mounting Panel		
Part No.	Outside dimensions (inches)			Panel size		Usable depth
	H	W	D	H	W	
One Door Enclosure						
E 72XM3418WP	72.00	33.50	18.00	60.00	27.75	18.00
E 84XM4018WP	84.00	39.50	18.00	72.00	33.75	18.00
Two Door Enclosure						
E 84XM7818WP	84.00	77.75	18.00	72.00	72.00	17.00

* Also available in 3, 4 and 5 door versions.

Accessories		
Part No.	Window kit	Touch-up paint
One Door Enclosure		
E 72XM3418WP	E PWK3523NF	E L21
E 84XM4018WP	E PWK3523NF	E L21
Two Door Enclosure		
E 84XM7818WP	E PWK3523NF	E L21



Floormount Freestanding Enclosures



NEMA 12 Carbon Steel FMD Cabinets

Rittal Electromate NEMA rated floormount disconnect enclosures accept all standard available disconnects and circuit breakers, including:

- Allen Bradley:**
1494 V Operators for disconnects/circuit breakers
1494 F Operators for disconnect switches
1494 D Operators for circuit breakers

- Cutler Hammer/Westinghouse:**
C361 Operators for disconnect switches
C371 Operators for circuit breakers

- General Electric:**
Type STDA Operators for disconnects

- ITE/Siemens:**
Max-Flex Operators for disconnect switches/circuit breakers

- Square D:**
Class 9422 Operators for disconnects/circuit breakers

- ABB:**
Operators for disconnect switches/circuit breakers

Configuration

- Continuously welded seams, finished smooth
- Body stiffeners provide extra rigidity
- Center post can be removed for panel installation
- Urethane gasket
- Rolled edge prevents entry of dirt and liquids
- Heavy duty continuous steel hinge with removable pin
- Heavy duty 3-point latch secures doors
- Mounting panel provisions installed
- Enclosure is provided with 15" floor stands welded to enclosure
- Heavy duty lifting eyes
- For type "X" enclosures: master door is right-hand door
- Integrated defeater on master door; doors can be closed in any order
- Mechanical interlock on master door prevents slave door from being opened unless master door is opened first
- Operator adaptors may be used to fit most disconnect operators in universal cutout on flange
- Print pocket included

Technical Specifications

- Material:**
- Enclosure/door:* 10 gauge carbon steel
- Finish/color:**
- Enclosure/door:* polyester-urethane powder coat over phosphatized surfaces - ANSI 61 grey outside and white inside
 - Optional mounting panels:* painted white

Protection Ratings

NEMA Type ☒ 1 ☐ 4 ☐ 4X ☒ 12 ☐ 13

Certifications/Approvals

Listings ☒ UL ☒ CUL ☐ CSA ☐ TÜV

Technical Drawings

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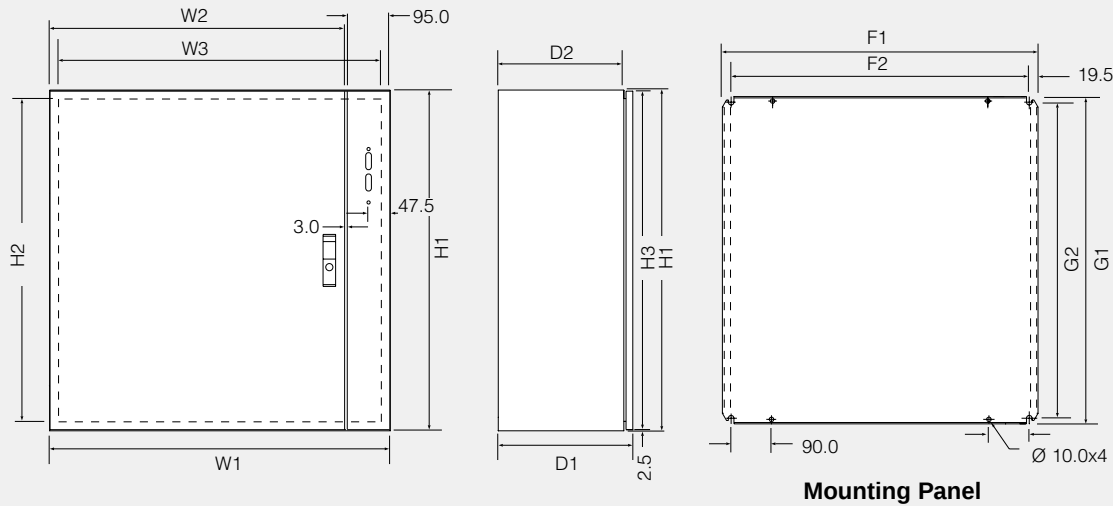
Enclosure				Mounting Panel		
Part No.	Outside dimensions (inches)			Part No.	Panel size	
	H	W	D		H	W
E 60X4912	60.00	49.38	12.00	E 60P48	56.00	44.00
E 60X6112	60.00	61.38	12.00	E 60P60	56.00	56.00
E 72X6112	72.00	61.38	12.00	E 72P60	68.00	56.00
E 72X7312	72.00	73.38	12.00	E 72P72	68.00	68.00
E 60X4918	60.00	49.38	18.00	E 60P48	56.00	44.00
E 60X6118	60.00	61.38	18.00	E 60P60	56.00	56.00
E 72X6118	72.00	61.38	18.00	E 72P60	68.00	56.00
E 72X7318	72.00	73.38	18.00	E 72P72	68.00	68.00

Accessories		
Part No.	Window kit	Touch-up paint
E 60X4912	E PWK3523NF	E L21
E 60X6112	E PWK3523NF	E L21
E 72X6112	E PWK3523NF	E L21
E 72X7312	E PWK3523NF	E L21
E 60X4918	E PWK3523NF	E L21
E 60X6118	E PWK3523NF	E L21
E 72X6118	E PWK3523NF	E L21
E 72X7318	E PWK3523NF	E L21



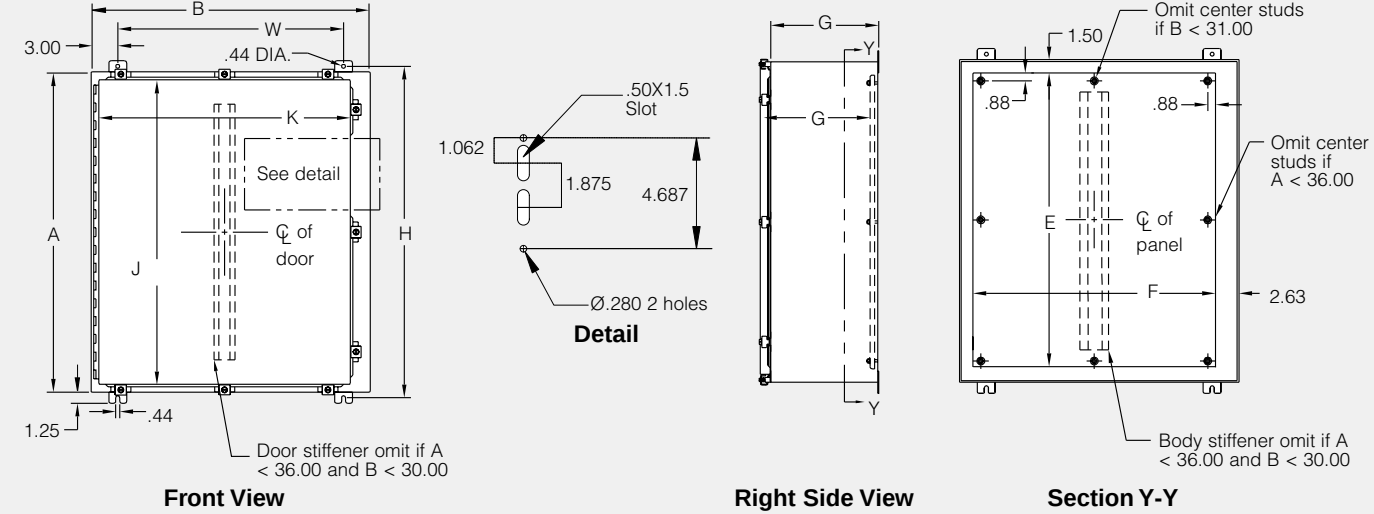


Technical Specifications
AE Wallmount FMD Enclosures



Enclosure																	
Part No.	Exact outside dimensions						H2	H3	W2	W3	D2	F1	F2	G1	G2	Weight	
	Height (H1)		Width (W1)		Depth (D1)											lbs	kg
	inches	mm	inches	mm	inches	mm											
1075600	29.92	760	23.62	600	8.27	210	720	755	500	560	190	549	510	730	705	70.6	32.1
1074600	29.92	760	29.92	760	11.81	300	720	755	660	720	280	704	665	730	705	97.9	44.5
1183600	39.37	1000	31.50	800	11.81	300	960	995	700	760	280	739	700	955	930	125.4	57.0
1283600	47.24	1200	31.50	800	11.81	300	1160	1195	700	760	280	739	700	1155	1130	154.0	70.0
1115600	55.12	1400	39.37	1000	11.81	300	1360	1395	900	960	280	940	900	1355	1330	213.4	97.0

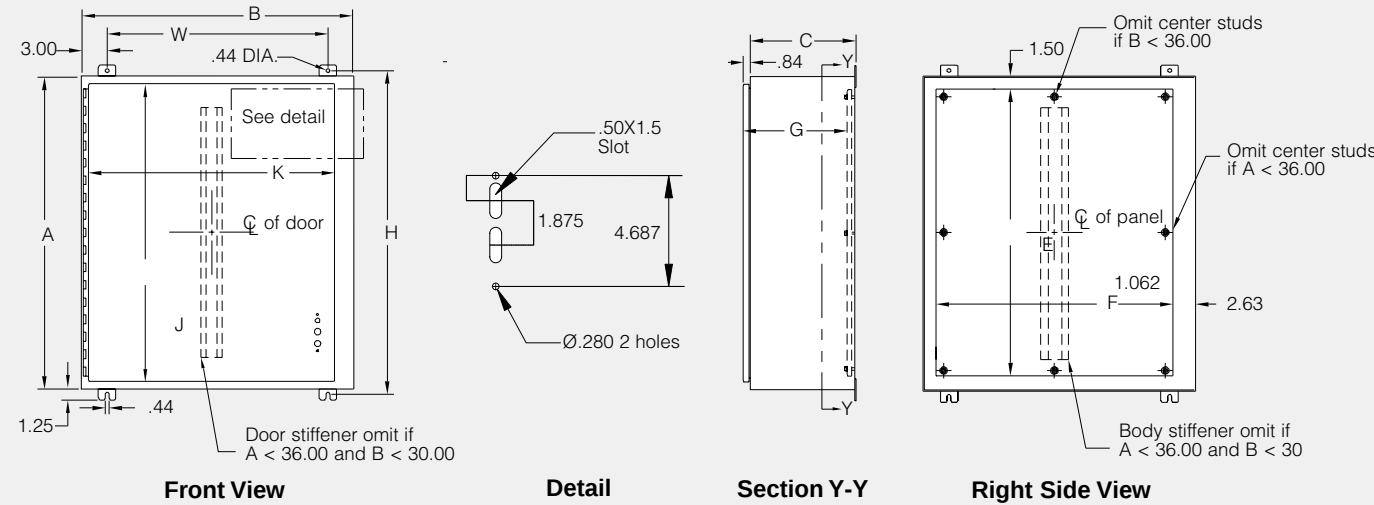
Technical Specifications
NEMA 4 Wallmount Boxes



Enclosure									Mounting Panel			
Part No.	Outside dimensions (inches)			Mounting centers		Door and body stiffener	Door size		Part No.	Panel size		Usable depth
	H	W	D							E	F	
	A	B	C	H	W		J	K		E	F	
E 24HS2108	24.00	21.38	8.00	25.25	15.38	NO	22.25	18.25	E 24P20	21.00	17.00	8.00
E 36HS3108	36.00	31.38	8.00	37.25	25.38	YES	34.25	28.25	E 36P30	33.00	27.00	7.37*
E 42HS3112	42.00	31.38	12.00	43.25	25.38	YES	40.25	28.25	E 42P30	39.00	27.00	11.37*
E 48HS3712	48.00	37.38	12.00	49.25	31.38	YES	46.25	34.25	E 48P36	45.00	33.00	11.37*

* Usable depth reduced by .625" at door stiffener.

NEMA 12 Wallmount Boxes



Enclosure									Mounting Panel			
Part No.	Outside dimensions (inches)			Mounting centers		Door and body stiffener	Door size		Part No.	Panel size		Usable depth
	H	W	D							E	F	
	A	B	C	H	W		J	K				
E 20SA2208	20.00	21.38	8.00	21.25	15.38	NO	18.25	18.25	E 20P20	17.00	17.00	7.75
E 30SA2608	30.00	25.38	8.00	31.25	19.38	NO	28.25	22.25	E 30P24	27.00	21.00	7.75
E 30SA2210	30.00	21.38	10.00	31.25	15.38	NO	28.25	18.25	E 30P20	27.00	17.00	9.75
E 30SA2610	30.00	25.38	10.00	31.25	19.38	NO	28.25	22.25	E 30P24	27.00	21.00	9.75
E 36SA3210	36.00	31.38	10.00	37.25	25.38	YES	34.25	28.25	E 36P30	33.00	27.00	9.12*
E 36SA3212	36.00	31.38	12.00	37.25	25.38	YES	34.25	28.25	E 36P30	33.00	27.00	11.12*
E 42SA3212	42.00	31.38	12.00	43.25	25.38	YES	40.25	28.25	E 42P30	39.00	27.00	11.12*
E 48SA3812	48.00	37.38	12.00	49.25	31.38	YES	46.25	34.25	E 48P36	45.00	33.00	11.12*
E 60SA3812	60.00	37.38	12.00	61.25	31.38	YES	58.25	34.25	E 60P36	57.00	33.00	11.12*
E 60SA3816	60.00	37.38	16.00	61.25	31.38	YES	58.25	34.25	E 60P36	57.00	33.00	15.12

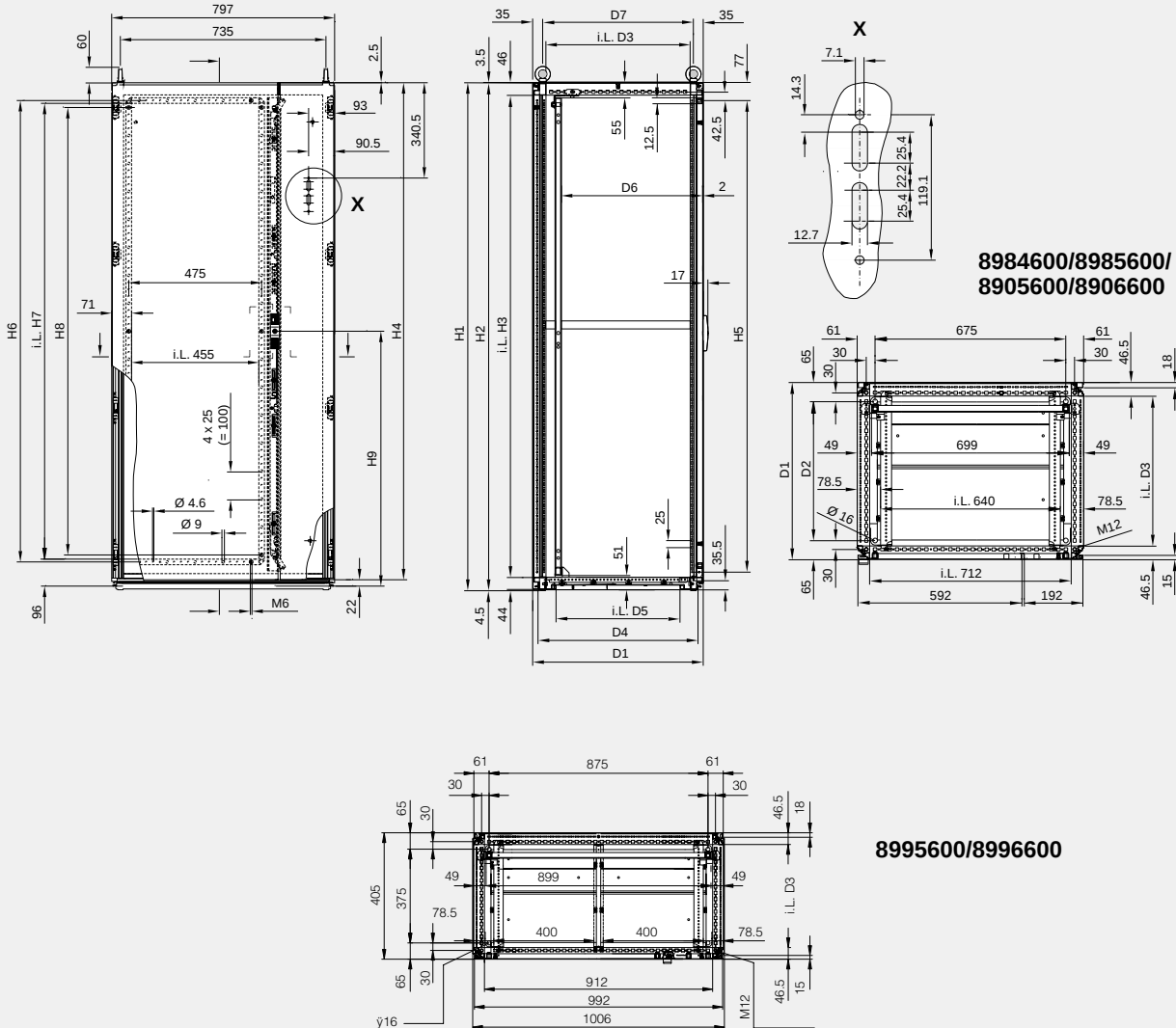
* Usable depth reduced by .625" at door stiffener.

Note: Designed for 200 and 400 amp Allen Bradley Bulletin 1494V disconnect switches using 1494V-H2 operating handle.





Technical Specifications
TS8 Freestanding FMD Enclosures



Enclosure																
Part No.	Height dimensions									Depth dimensions						
	H1	H2	H3	H4	H5	H6	H7	H8	H9	D1	D2	D3	D4	D5	D6	D7
8984600	1805	1797	1712	1778	1650	1650	1630	1600	911	405	275	312	368	240	130-355	355
8985600	1805	1797	1719	1778	1650	1650	1630	1600	911	505	375	412	468	340	130-455	435
8905600	2005	1997	1912	1978	1850	1850	1830	1800	1011	505	375	412	468	340	130-455	435
8906600	2005	1997	1912	1978	1850	1850	1830	1800	1011	605	475	512	568	440	130-555	535
8995600	2005	1997	1912	1978	1850	1850	1830	1800	1011	505	375	412	468	340	130-455	435
8996600	2005	1997	1912	1978	1850	1850	1830	1800	1011	605	475	512	568	440	130-555	535

- Enclosure**

H1 = total height

H2 = height of rear wall

H3 = available space between frame members

H4 = height of door and blanking

H5 = span of installation holes

H6 = distance between installation holes on top and bottom members of door frame

H7 = available space between top and bottom members of door frame

H8 = distance between door frame fasteners

H9 = distance between bottom and center of lock
- D1 = total depth

D2 = span of installation holes/distance between cable base mounting holes

D3 = available space between vertical frame members

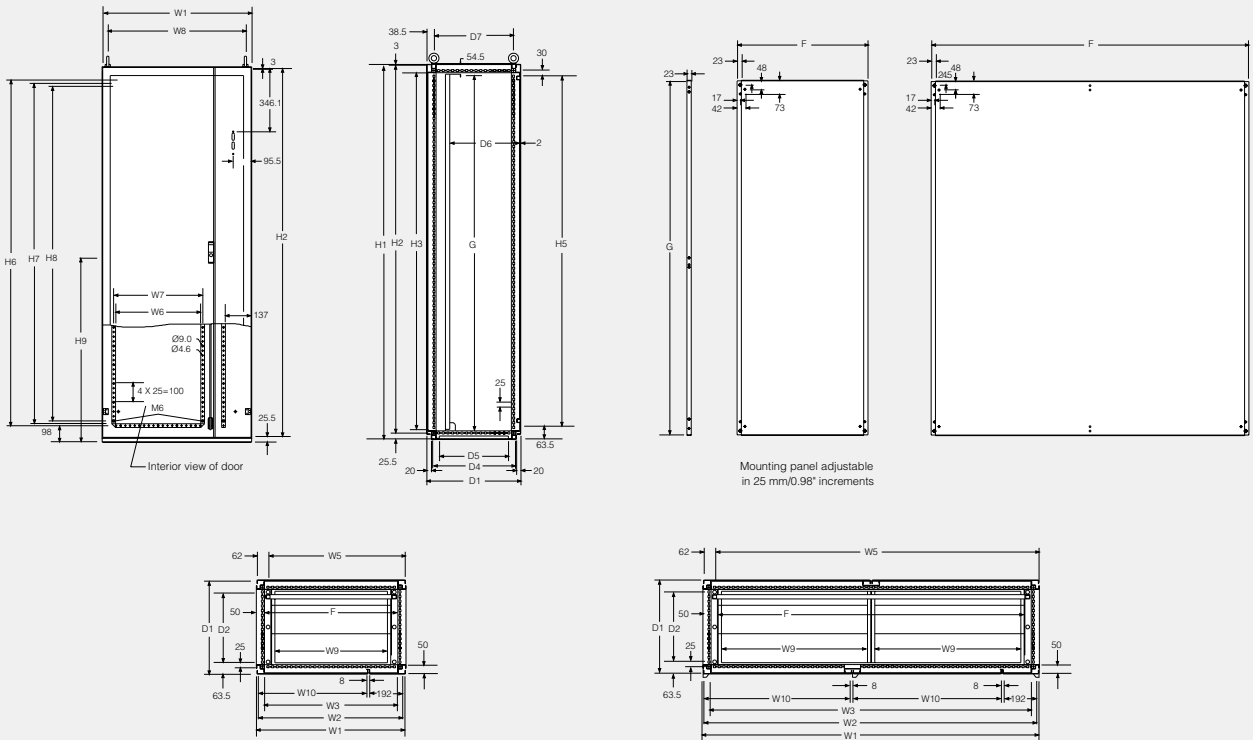
D4 = depth of bottom of frame

D5 = available space in bottom opening

D6 = possible mounting depth (construction of mounting panel)

D7 = distance between eye bolts

Technical Specifications
PS Freestanding FMD Enclosures

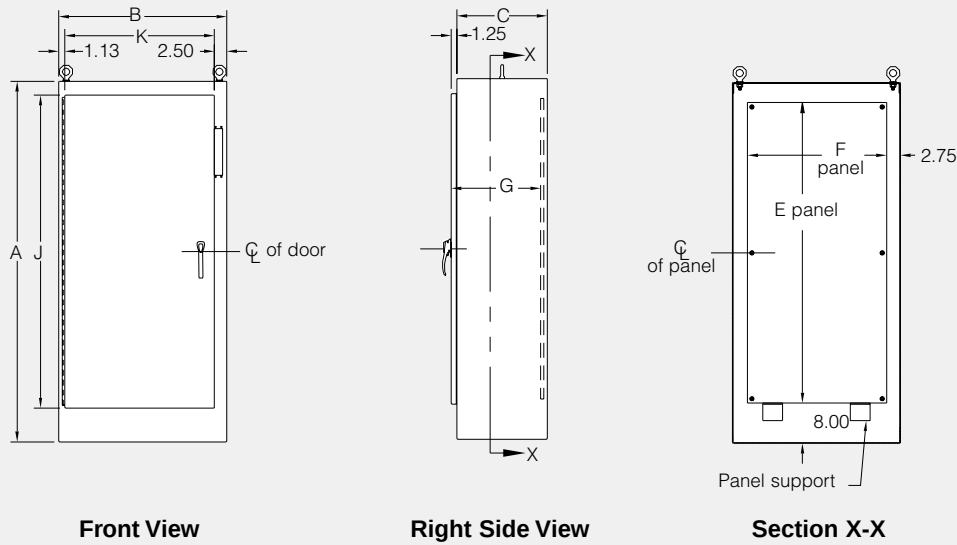


Enclosure								
Height (H1)	inches	70.87	70.87	70.87	78.74	78.74	78.74	78.74
	mm	1800	1800	1800	2000	2000	2000	2000
Width (W1)	inches	31.50	31.50	39.37	31.50	31.50	39.37	39.37
	mm	800	800	1000	800	800	1000	1000
Depth (D1)	inches	15.75	19.69	19.69	19.69	23.62	19.69	23.62
	mm	400	500	500	500	600	500	600
Part No.		4984600	4985600	4980600	4905600	4906600	4995600	4996600
H2		1775	1775	1775	1975	1975	1975	1975
H3		1712	1712	1712	1912	1912	1912	1912
H5		1675	1675	1675	1875	1875	1875	1875
H6		1650	1650	1650	1850	1850	1850	1850
H7		1630	1630	1630	1830	1830	1830	1830
H8		1600	1600	1600	1800	1800	1800	1800
H9		898	898	898	998	998	998	998
W2		792	792	992	792	792	992	992
W3		712	712	912	712	712	912	912
W5		675	675	875	675	675	875	875
W6		455	455	655	455	455	655	655
W7		475	475	675	475	475	675	675
W8		735	735	935	735	735	935	935
W9		601	601	801	601	601	801	801
W10		592	592	792	592	592	792	792
D2		275	375	375	375	475	375	475
D3		302	402	402	402	502	402	502
D4		349	449	449	449	549	449	549
D5		269	369	369	369	469	369	469
D6		149 - 349	149 - 449	149 - 449	149 - 449	149 - 549	149 - 449	149 - 549
D7		325	425	425	425	525	425	525
F		699	699	899	699	699	899	899
G		1696	1696	1696	1896	1896	1896	1896
Weight	lbs	270.6	354.2	341	345.4	374	354.2	382.8
	kg	123.0	161.0	155.0	157.0	170.0	161.0	174.0

Dimensions in millimeters (mm) unless otherwise indicated.

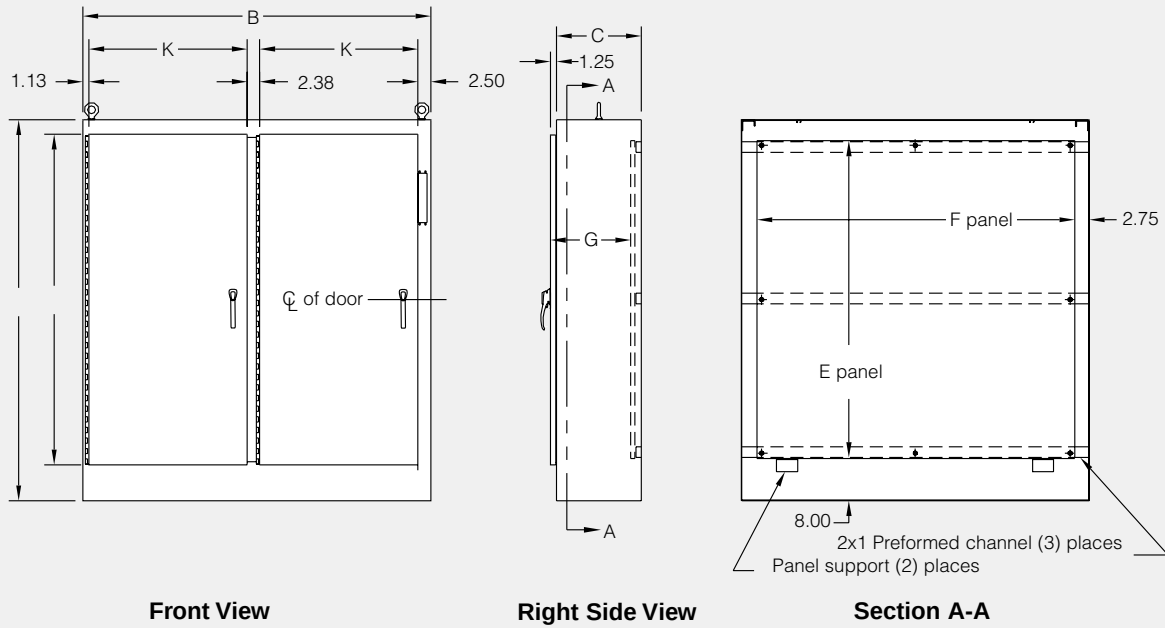


Technical Specifications
One Door Freestanding Heavy Duty Enclosures



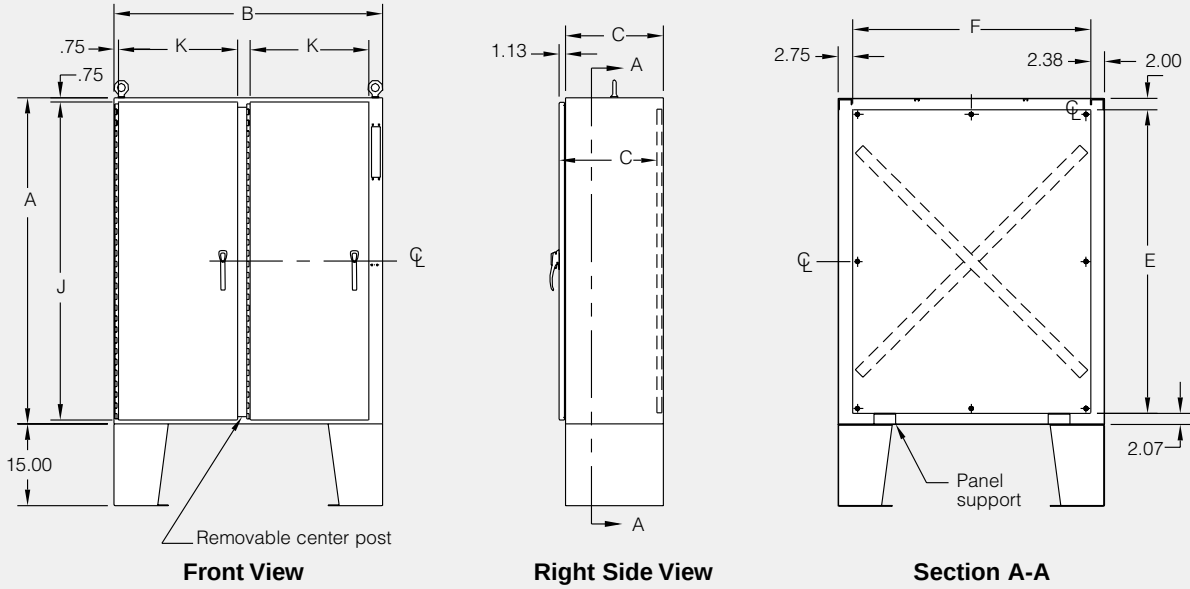
Enclosure				Mounting Panel				
Part No.	Outside dimensions			Door size		Panel size		Usable depth
	H	W	D					
	A	B	C	J	K	E	F	
E 72XM3418WP	72.00	33.50	18.00	62.50	29.83	60.00	27.75	18.00
E 84XM4018WP	84.00	39.50	18.00	74.50	35.83	72.00	33.75	18.00

Two Door Freestanding Heavy Duty Enclosures



Enclosure				Mounting Panel				
Part No.	Outside dimensions (inches)			Door size		Panel size		Usable depth
	H	W	D					
	A	B	C	J	K	E	F	
E 84XM7818WP	84.00	77.75	18.00	-	-	72.00	72.00	17.00

Technical Specifications
Floormount Freestanding Enclosures



Enclosure						Mounting Panel			
Part No.	Outside dimensions (inches)			Door size		Part No.	Panel size		Usable depth
	H	W	D						
	A	B	C	J	K		E	F	
E 60X4912	60.00	49.38	12.00	58.50	21.88	E 60P48	56.00	44.00	12.00
E 60X6112	60.00	61.38	12.00	58.50	27.88	E 60P60	56.00	56.00	12.00
E 72X6112	72.00	61.38	12.00	70.50	27.88	E 72P60	68.00	56.00	12.00
E 72X7312	72.00	73.38	12.00	70.50	33.88	E 72P72	68.00	68.00	12.00
E 60X4918	60.00	49.38	18.00	58.50	21.88	E 60P48	56.00	44.00	18.00
E 60X6118	60.00	61.38	18.00	58.50	27.88	E 60P60	56.00	56.00	18.00
E 72X6118	72.00	61.38	18.00	70.50	27.88	E 72P60	68.00	56.00	18.00
E 72X7318	72.00	73.38	18.00	70.50	33.88	E 72P72	68.00	68.00	18.00



AE Wallmount FMD Enclosures

AE Wallmount FMD Enclosures													
Part No.	Dimensions						Master door		Slave door		Panel size		
	inches			mm			inches	mm	inches	mm	inches		mm
	H	W	D	H	W	D	D1	D1	D2	D2	H	W	W
1075600	29.92	23.62	8.27	760	600	210	19.68	500	-	-	28.74	21.61	549
1074600	29.92	29.92	11.81	760	760	300	25.98	660	-	-	28.74	27.72	704
1183600	39.37	31.50	11.81	1000	800	300	27.55	700	-	-	37.60	29.09	739
1283600	47.24	31.50	11.81	1200	800	300	27.55	700	-	-	45.47	29.13	740
1115600	55.12	39.37	11.81	1400	1000	300	35.43	900	-	-	53.35	37.00	940

AE Wallmount FMD Enclosures (Continued)								
Part No.	See figure A for illustration							
	CL		HL		PA		PE	
	inches	mm	inches	mm	inches	mm	inches	mm
1075600	1.87	47.5	5.18	131.6	4.59	116.6	1.003	25.5
1074600	1.87	47.5	5.18	131.6	4.59	116.6	1.102	28
1183600	1.87	47.5	9.74	247.6	8.86	225.1	1.2	30.5
1283600	1.87	47.5	9.74	247.6	8.86	225.1	1.18	30
1115600	1.87	47.5	11.6	295	10.72	272.5	1.18	30

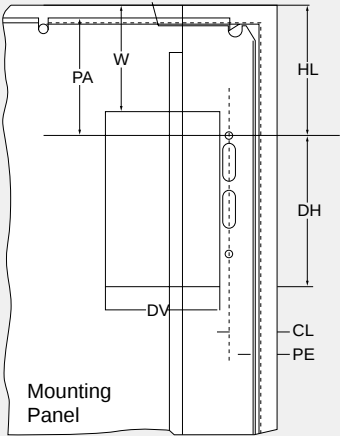


FIG. A

AE Wallmount FMD Enclosures

Allen Bradley 1494V Disconnects/Circuit Breakers (Fig. A pg. FMD 21)															
Allen Bradley Part No.	Amp rating	Fuse clip	Fuse class	DH		DW*		When HL=131.6 (5.1)		When HL=180.6 (7.11)		When HL=247.6 (9.74)		When HL=295 (11.6)	
				inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
								W	W	W	W	W	W	W	W
1494V-DS30	30A	Unfused	-	3.8	98.4	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS30	30A	30A-250V	H,K,R	5.19	131.9	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS30	30A	30A-600V	H,K,R	7.9	202.4	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS30	30A	30A-600V	J	5.19	131.9	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS30	30A	60A-250V	H,K,R	5.9	151.6	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS30	30A	60A-600V	H,K,R	8.47	215.2	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS30	30A	60A-600V	J	5.3	135.5	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS60	60A	Unfused	-	3.8	98.4	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS60	60A	60A-250V	H,K,R	5.9	151.6	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS60	60A	60A-600V	H,K,R	8.47	215.2	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS60	60A	60A-600V	J	5.3	135.5	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS60	60A	30A-600V	H,K,R	7.9	202.4	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS60	60A	100A-250V	H,K	8.86	225.1	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS60	60A	100A-600V	H,K	10.8	275.9	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS60	60A	100A-600V	J	7.6	193.3	7.12	181	3.3	84.8	5.26	133.8	7.9	200.8	9.7	248.2
1494V-DS100	100A	Unfused	-	3.8	98.4	7.12	181	-	-	-	-	7.3	186.1	9.19	233.5
1494V-DS100	100A	100A-250V	H,K,R	9.6	244.1	7.12	181	-	-	-	-	7.3	186.1	9.19	233.5
1494V-DS100	100A	100A-600V	H,K,R	11.6	294.9	7.12	181	-	-	-	-	7.3	186.1	9.19	233.5
1494V-DS100	100A	100A-600V	J	8.3	212.3	7.12	181	-	-	-	-	7.3	186.1	9.19	233.5
1494V-DS100	100A	200A-250V	H,K	12.4	315.1	7.12	181	-	-	-	-	7.3	186.1	9.19	233.5
1494V-DS100	100A	200A-600V	H,K	14.9	378.6	7.12	181	-	-	-	-	7.3	186.1	9.19	233.5
1494V-DS100	100A	200A-600V	J	11.03	280.2	7.12	181	-	-	-	-	7.3	186.1	9.19	233.5
1494V-DS200	200A	Unfused	-	4.6	118.3	8.4	213.9	-	-	-	-	6.3	160.7	8.19	208.1
1494V-DS200	200A	200A-250V	H,K,R	11.8	300.4	8.4	213.9	-	-	-	-	6.3	160.7	8.19	208.1
1494V-DS200	200A	200A-600V	H,K,R	14.3	363.9	8.4	213.9	-	-	-	-	6.3	160.7	8.19	208.1
1494V-DS200	200A	200A-600V	J	10.4	265.5	8.4	213.9	-	-	-	-	6.3	160.7	8.19	208.1
1494V-M40	150A	EDH, FD, FDB, FDC, HFD, HMCP	-	6	152	4.125	104.7	4.1	104.1	6.11	155.1	8.74	222.2	10.6	269.6
1494V-M50	250A	JD, JDB, JDC, HJD HMCP	-	10	254	4.125	104.7	-	-	5.57	141.7	8.2	208.5	10.07	256
1494V-M60	400A	KD, KDB, KDC, HKD HMCP	-	10.125	257	5.5	140	-	-	7.75	197	10.39	264	12.25	311.4

* Does not include space for optional auxiliary switch.

Note:

- For applications above 200A, please contact your local Rittal representative.





AE Wallmount FMD Enclosures

Square D Class 9422 Disconnects/Circuit Breakers (Fig. A pg. FMD 21)															
Square D Switch Part No.	Amp rating	Fuse clip	Fuse class	DH		DW*		When HL=131.6 (5.1)		When HL=180.6 (7.11)		When HL=247.6 (9.74)		When HL=295 (11.6)	
				inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
								W	W	W	W	W	W	W	W
TCN30	30A	Unfused	-	3.8	96.52	6.2	157.48	3.5	88.9	5.51	139.9	8.14	206.7	10	254
TCF30	30A	30A-250V	H, K, R	5.42	137.79	6.2	157.48	3.5	88.9	5.51	139.9	8.14	206.7	10	254
TCF33	30A	30A-600V	H, K, R	8.05	204.4	6.2	157.48	3.5	88.9	5.51	139.9	8.14	206.7	10	254
TCF33	30A	30A-600V	J	5.42	137.79	6.2	157.48	3.5	88.9	5.51	139.9	8.14	206.7	10	254
TCF33	30A	60A-250V	H, K, R	6.05	153.6	6.2	157.48	3.5	88.9	5.51	139.9	8.14	206.7	10	254
TDN60	60A	Unfused	-	3.8	96.52	6.2	157.48	3.5	88.9	5.51	139.9	8.14	206.7	10	254
TDF60	60A	60A-250V	H, K, R	6.05	153.6	6.2	157.48	3.5	88.9	5.51	139.9	8.14	206.7	10	254
TDF60	60A	30A-600V	H, K, R	8.05	204.4	6.2	157.48	3.5	88.9	5.51	139.9	8.14	206.7	10	254
TDF63	60A	60A-600V	H, K, R	8.55	217.17	6.2	157.48	3.5	88.9	5.51	139.9	8.14	206.7	10	254
TDF63	60A	60A-600V	J	5.42	137.79	6.2	157.48	3.5	88.9	5.51	139.9	8.14	206.7	10	254
TEN10	100A	Unfused	-	3.8	96.52	6.2	157.48	-	-	5.51	139.9	8.14	206.7	10	254
TEF10	100A	100A-250V	H, K, R	8.25	209.55	6.2	157.48	-	-	5.51	139.9	8.14	206.7	10	254
TEF10	100A	100A-600V	H, K, R	10.25	260.35	6.2	157.48	-	-	5.51	139.9	8.14	206.7	10	254
TEF10	100A	100A-600V	J	7.05	179.07	6.2	157.48	-	-	5.51	139.9	8.14	206.7	10	254
TF1	200A	Unfused	-	5.25	133.35	11.63	295.4	-	-	-	-	6.49	164.8	8.35	212.09
TF2	200A	200A-250V	H, K, R	11.2	284.48	11.63	295.4	-	-	-	-	6.49	164.8	8.35	212.09
TF2	200A	200A-600V	H, K, R	13.7	347.98	11.63	295.4	-	-	-	-	6.49	164.8	8.35	212.09
TF2	200A	200A-600V	J	9.83	249.68	11.63	295.4	-	-	-	-	6.49	164.8	8.35	212.09
TF3	200A	400A-600V	J	14.25	361.95	11.63	295.4	-	-	-	-	6.49	164.8	8.35	212.09
RG1	75, 100A	GJL	Circuit breaker	3.75	95.2	3.54	90	4.1	104.1	6.11	155.1	8.74	221.9	10.6	269.2
RN1	100A	FAL, FHL	Circuit breaker	8.03	203.9	4.5	114	4.63	117.6	6.64	168.6	9.27	235.4	11.13	282.7
RP1	250A	KAL, KHL	Circuit breaker	9.66	245.3	4.5	114	-	-	6.64	168.6	9.27	235.4	11.13	282.7

* DW dimension without operating mechanism.

Note:
1. For applications above 200A, please contact your local Rittal representative.

AE Wallmount FMD Enclosures

GE Type STDA Disconnects (Fig. A pg. FMD 21)															
GE Operating Mechanism Part No.	Amp rating	Fuse clip	Fuse class	DH		DW		When HL=131.6 (5.1)		When HL=180.6 (7.11)		When HL=247.6 (9.74)		When HL=295 (11.6)	
								inches	mm	inches	mm	inches	mm	inches	mm
				inches	mm	inches	mm	W	W	W	W	W	W	W	W
TDOM1A	30A	Unfused	-	3.75	95.2	5.7	144.4	1.52	38.3	3.4	87.8	6.09	154.8	7.9	202.2
TDOM1A	30A	30A-250V	H, R	5.6	142.8	5.7	144.4	1.52	38.3	3.4	87.8	6.09	154.8	7.9	202.2
TDOM1B	30A	30A-600V	H, R	8.6	219	5.7	144.4	1.52	38.3	3.4	87.8	6.09	154.8	7.9	202.2
TDOM1B	30A	60A-250V	H, R	7	177.8	5.7	144.4	1.52	38.3	3.4	87.8	6.09	154.8	7.9	202.2
TDOM1B	30A	60A-250V	H, R	9.5	241.3	5.7	144.4	1.52	38.3	3.4	87.8	6.09	154.8	7.9	202.2
TDOM1A	60A	Unfused	-	4.06	103.1	5.7	144.4	1.52	38.3	3.4	87.8	6.09	154.8	7.9	202.2
TDOM1B	60A	60A-250V	H, R	7	177.8	5.7	144.4	1.52	38.3	3.4	87.8	6.09	154.8	7.9	202.2
TDOM1B	60A	60A-600V	H, R	9.5	241.3	5.7	144.4	1.52	38.3	3.4	87.8	6.09	154.8	7.9	202.2
TDOM1B	60A	100A-250V	H, R	8.4	213.5	5.7	144.4	1.52	38.3	3.4	87.8	6.09	154.8	7.9	202.2
TDOM1B	60A	100A-600V	H, R	10.4	264.3	5.7	144.4	1.52	38.3	3.4	87.8	6.09	154.8	7.9	202.2
TDOM1A	100A	Unfused	-	4.1	104.7	5.7	144.4	-	-	-	-	6.09	154.8	7.9	202.2
TDOM1B	100A	100A-250V	H, R	8.4	213.5	5.7	144.4	-	-	-	-	6.09	154.8	7.9	202.2
TDOM1B	100A	100A-600V	H, R	10.4	264.3	5.7	144.4	-	-	-	-	6.09	154.8	7.9	202.2
TDOM1B	100A	200A-250V	H, R	13.9	353.2	5.7	144.4	-	-	-	-	6.09	154.8	7.9	202.2
TDOM1B	100A	200A-600V	H, R	16.4	416.7	5.7	144.4	-	-	-	-	6.09	154.8	7.9	202.2
TDOM2	200A	Unfused	-	7.59	192.8	8.78	223	-	-	-	-	-	-	7.4	188.6
TDOM2	200A	200A-250V	H, R	13.9	353.2	8.78	223	-	-	-	-	-	-	7.4	188.6
TDOM2	200A	200A-600V	H, R	16.4	416.7	8.78	223	-	-	-	-	-	-	7.4	188.6

Note:
1. For applications above 200A, please contact your local Rittal representative.

GE Type STDA Circuit Breakers (Fig. A pg. FMD 21)														
GE Operating Mechanism Part No.	Amp rating	Frame type	DH		DW		When HL=131.6 (5.1)		When HL=180.6 (7.11)		When HL=247.6 (9.74)		When HL=295 (11.6)	
							inches	mm	inches	mm	inches	mm	inches	mm
									W	W	W	W	W	W
TDOM1A	150A	TEB, TED, THED	5.59	142	4.1	104.1	-	-	-	-	7.4	187.9	9.26	235.2
TDOM1A	150A	TEC	5.59	142	4.1	104.7	-	-	-	-	7.4	187.9	9.26	235.2
TDOM1B	150A	TB1	9.59	243.6	4.1	104.7	-	-	-	-	7.4	187.9	9.26	235.2
TDOM1B	150A	TEC, TECL	7.46	189.7	4.1	104.7	-	-	-	-	7.4	187.9	9.26	235.2
TDOM1C	150A	TEL	5.59	142	4.1	104.7	-	-	-	-	7.4	187.9	9.26	235.2
TDOM1D	150A	THLC1	8.37	212.7	4.1	104.7	-	-	-	-	7.74	196.5	9.6	243.8
TDOM3	225A	TFJ	8.93	227	4.1	104.7	-	-	-	-	7.56	192	9.42	239.2
TDOM3	225A	TFK, THFK, TFL	8.93	227	4.1	104.7	-	-	-	-	7.56	192	9.42	239.2
TDOM6	225A	THLC2	10.8	275.4	5.7	145.2	-	-	-	-	7.56	192	9.42	239.2





AE Wallmount FMD Enclosures

ITE Max-Flex Operators for Disconnect Switches (Fig. A pg. FMD 26)											
Switch Operator Part No.	Max-Flex variable depth complete handle mechanism	Fixed depth complete handle mechanism	Amp rating	Fuse kit	Fuse class	Panel space requirements					
						inches			mm		
						A	B	C	A	B	C
MCS603R MCS603L	FHOS06036R FHOS06036L	FDFS06R	30	No fuse	-	6.13	5.52	-	155.7	140.2	-
				30A, 250V	H, R	6.13	5.52	8.11	155.7	140.2	205.9
				30A, 600V	H, R	6.13	5.52	10.11	155.7	140.2	256.7
				30A, 600V	J	6.13	5.52	8.48	155.7	140.2	215.3
MCS606R MCS606L	FHOS06036R FHOS06036L	FDFS06R	60	No fuse	-	6.13	5.52	-	155.7	140.2	-
				60A, 250V	H, R	6.13	5.52	7.86	155.7	140.2	199.6
				60A, 600V	H, R	6.13	5.52	10.38	155.7	140.2	263.6
				60A, 600V	J	6.13	5.52	8.35	155.7	140.2	212
MCS610R MCS610L	FHOS06036R FHOS06036L	FDFS06R	100	No fuse	-	7.38	7.59	-	187.4	192.7	-
				100A, 250V	H, R	7.38	7.59	11.85	187.4	192.7	300.9
				100A, 600V	H, R	7.38	7.59	13.85	187.4	192.7	351.7
				100A, 600V	J	7.38	7.59	10.6	187.4	192.7	269.2
MCS620R MCS620R	FHOS20036R	FDFS20R	200	No fuse	-	9.17	9.00	-	232.9	228.6	-
				200A, 250V	H, R	9.17	9.00	14.7	232.9	228.6	373.3
				200A, 600V	H, R	9.17	9.00	17.2	232.9	228.6	436.8
				200A, 600V	J	9.17	9.00	13.32	232.9	228.6	338.3

Note:

1. To order Class R fuse kit, you must order Class H fuse kit and corresponding Class R fuse conversion kit.
2. Max-Flex standard cable length is 36 inches. Alternate cable lengths are available.
3. Maximum length with Class H and R fuses.

Maximum “E” Dimension For ITE Max-Flex With Disconnect Switch (Fig. B pg. FMD 26)											
Switch Part No.	Cable Part No.	When enclosure depth=MPL position									
		When 8.27 (210)= 7.24 (184)		When 9.84 (250)=8.82 (224)		When 11.81 (300)=10.78 (274)		When 13.87 (350)=12.75 (324)		When 15.75 (400)=10.75 (273)	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
MCS603, MCS606, MCS610	FHOEC036	16.0	406	13.0	330	13.5	343	8.0	203	13.5	343
MCS620	FHOEC036	15.0	381	12.0	304	12.5	317	7.0	178	12.5	317

Maximum “E” Dimension For ITE Max-Flex With Disconnect Switch (Fig. B pg. FMD 26)											
Enclosure depth		36" Cable									
inches	mm	Fmin				Fmax					
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
8.27	210	7.0			177.8	14.5			368.3		
9.84	250	5.5			139.7	13.1			332.7		
11.81	300	5.0			127	12.0			304.8		
13.87	350	4.0			101.6	9.4			238.7		
15.75	400	4.0			101.6	9.4			238.7		

Fixed Depth Flange Mounted Handle With ITE Disconnect Switch (Fig. C pg. FMD 26)											
Switch Part No.	Handle Part No.	Dimensions									
		X1		X2		Y1		Y2		Z1	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
MCS603, MCS606	FDFS06R	3.52	89.4	1.5	38.1	0.0	0.0	1.89	48	6.44	163.5
MCS610	FDFS06R	3.91	99.3	1.81	45.9	0.13	3.3	3.0	76.2	6.44	163.5
MCS620	FDFS20R	1.51	38.3	7.86	199.6	0.38	9.6	5.44	138.1	10.93	277.6

Note:

1. Z1 is the distance between the enclosure door and MPL.



AE Wallmount FMD Enclosures

For ITE Max-Flex Operators for Circuit Breakers			
Breaker Part No.	Amp rating	Circuit breaker frame size	For use with breaker type(s)
FHOE036	125	ED, HED, EF (CE)	ED2, ED4, ED6, HED4, HED6 ETI, HHED6, EFC
FHOE036	125	CED, EF (CE)	CED6, CED6 ETI, EFF
FHOF036	250	FD, FXD, HFD, HFXD, FF (CE)	FXD6-A, FD6-A, HFD6, HFXD6, HHFD6, FD6 ETI, FFC, FFF
FHOF036	250	CFD	CFD6, CFD6 ETI

Note:

1. For applications above 200A, please contact your local Rittal representative.

ITE Circuit Breaker Mounting Dimensions (Fig. D pg. FMD 26)														
Circuit breaker frame size	Amp rating	See fig. D												
		A		B		C		D*		K		DH (normal)		Tap size
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	
ED, HED, EF	125	1.0	25.4	5.0	127	0.65	16.5	6.33	160.7	-	-	6.81	172.9	#8-32
CED, EF		1.0	25.4	5.0	127	0.65	16.5	8.93	226.8	3.25	82.5	6.81	172.9	
FXD, FD, HFD, HFXD,FF	250	1.5	38.1	7.5	190.5	1.0	25.4	9.5	241.3	-	-	6.78	172.2	#1/4 20
CFD		1.5	38.1	7.5	190.5	1.0	25.4	14.2	361.9	4.6	117.4	6.78	172.2	

Maximum “E” Dimension For ITE Max-Flex With Circuit Breaker (Fig. D pg. FMD 26)											
Cable Part No.	Frame size	When enclosure depth=MPL position									
		When 8.27 (210)= 7.24 (184)		When 9.84 (250)=8.82 (224)		When 11.81 (300)=10.78 (274)		When 13.87 (350)=12.75 (324)		When 15.75 (400)=10.75 (273)	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
FHOEC036	ED, HED, CED, EF										
FHOEC036	FXD, FD, HFD, HFXD, FF, CFD	13.5	342.9	13.5	342.9	13	330	10.7	271	10.7	271

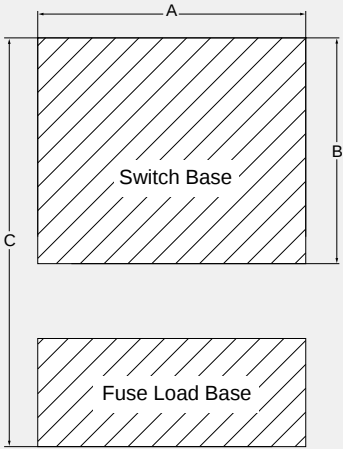


FIG. A

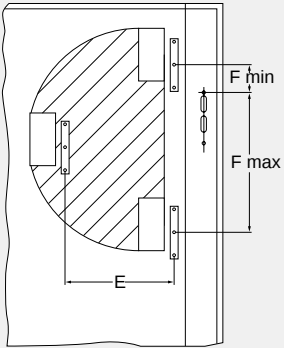


FIG. B

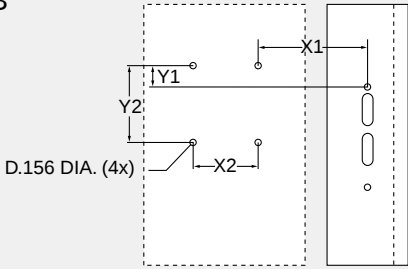


FIG. C

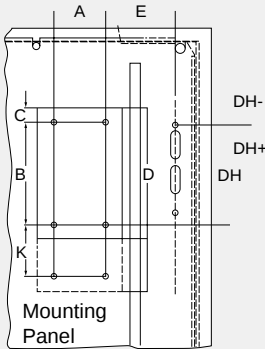


FIG. D



AE Wallmount FMD Enclosures

Cutler-Hammer (C361 Disconnect Switches) (Fig. A pg. FMD 21)															
Cutler-Hammer Part No.	Amp rating	Fuse clip	Fuse class	DH		DW		When HL=131.6 (5.18)		When HL=180.6 (7.11)		When HL=247.6 (9.74)		When HL=295 (11.6)	
								inches	mm	inches	mm	inches	mm	inches	mm
				inches	mm	inches	mm	W	W	W	W	W	W	W	W
NC	30A	Unfused	-	3.9	99.18	6	152.4	3.58	91.13	5.51	140.1	8.14	206.9	10	254.2
SC21	30A	30A-250V	H,K,R	7.6	194.74	6	152.4	3.58	91.13	5.51	140.1	8.14	206.9	10	254.2
SC61	30A	60A-250V	H,K,R	8.16	207.4	6	152.4	3.58	91.13	5.51	140.1	8.14	206.9	10	254.2
SC61	30A	30A-600V	H,K,J,R	7.6	194.74	6	152.4	3.58	91.13	5.51	140.1	8.14	206.9	10	254.2
ND	60A	Unfused	-	3.9	99.18	6	152.4	3.58	91.13	5.51	140.1	8.14	206.9	10	254.2
SD22	60A	Unfused	-	3.9	99.18	6	152.4	3.58	91.13	5.51	140.1	8.14	206.9	10	254.2
SD22	60A	60A-250V	H,K,R	8.16	207.4	6	152.4	3.58	91.13	5.51	140.1	8.14	206.9	10	254.2
SD62	60A	60A-600V	H,K,R	8.16	207.4	6	152.4	3.58	91.13	5.51	140.1	8.14	206.9	10	254.2
SD62	60A	60A-600V	J	7.79	197.9	6	152.4	3.58	91.13	5.51	140.1	8.14	206.9	10	254.2
NE	100A	Unfused	-	8.9	226.05	7	187.5	3.23	82	5.16	131.06	7.79	197.8	9.65	245.1
SE263	100A	100A-250V	H,K,R	8.9	226.05	7	187.5	3.23	82	5.16	131.06	7.79	197.8	9.65	245.1
SE263	100A	100A-600V	H,K,R	8.9	226.05	7	187.5	3.23	82	5.16	131.06	7.79	197.8	9.65	245.1
SE263	100A	100A-600V	J	8.9	226.05	7	187.5	3.23	82	5.16	131.06	7.79	197.8	9.65	245.1
NF	200A	Unfused	-	13.1	333.8	9.75	247.6	-	-	-	-	-	-	6.74	171.3
SF264	200A	200A-250V	H,K,R	13.1	333.8	9.75	247.6	-	-	-	-	-	-	6.74	171.3
SF264	200A	200A-600V	H,K,R	13.1	333.8	9.75	247.6	-	-	-	-	-	-	6.74	171.3
SF264	200A	200A-600V	J	13.1	333.8	9.75	247.6	-	-	-	-	-	-	6.74	171.3

- Note:**
- For applications above 200A, please contact your local Rittal representative.
 - DH dimension includes the lowering mechanism.

Cutler-Hammer (C371 Circuit Breaker Operator) (Fig. A pg. FMD 21)														
Cutler-Hammer Part No.	Amp rating	Frame type	DH		DW		When HL=131.6 (5.18)		When HL=180.6 (7.11)		When HL=247.6 (9.74)		When HL=295 (11.6)	
							inches	mm	inches	mm	inches	mm	inches	mm
			inches	mm	inches	mm	W	W	W	W	W	W	W	W
C371E	150A	Cutler-Hammer FDB, FD, FDC, HFD EHD	5.33	135.38	4.125	105	4.51	114.5	6.44	163.5	9.07	230.3	10.93	277.6
C371E	150A	Westinghouse F Frame/Series C	5.33	135.38	4.125	105	4.51	114.5	6.44	163.5	9.07	230.3	10.93	277.6
C371F	225A	Cutler-Hammer HJD, JD, JDC	9.37	238.1	10	254	-	-	6.48	164.7	9.11	231.5	10.97	278.7
C371F	250A	Westinghouse J Frame/Series C	9.37	238.1	10	254	-	-	6.48	164.7	9.11	231.5	10.97	278.7

- Note:**
- For applications above 200A, please contact your local Rittal representative.



TS Freestanding FMD Enclosures

TS Freestanding FMD Enclosures											
Part No.	H		W		D		D1 master door		D2 slave door	C panel depth	
	inches	mm	inches	mm	inches	mm	inches	mm		inches	mm
8984600	70.87	1800	31.50	800	15.75	400	23.30	592	-	5.86-13.74	149-349
8985600	70.87	1800	31.50	800	19.69	500	23.30	592	-	5.86-17.67	149-449
8905600	78.74	2000	31.50	800	19.69	500	23.30	592	-	5.86-17.67	149-449
8906600	78.74	2000	31.50	800	23.62	600	23.30	592	-	5.86-21.61	149-549
8995600	78.74	2000	39.37	1000	19.69	500	31.18	792	-	5.86-17.67	149-449
8996600	78.74	2000	39.37	1000	23.62	600	31.18	792	-	5.86-21.61	149-549

TS Freestanding FMD Enclosures (Continued)											
Part No.	Panel size — see figure A for illustration										
	H		W		CL		HL		PA		PE
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
8984600	66.77	1696	27.52	699	3.75	95.5	13.62	346.1	11.48	291.6	1.98
8985600	66.77	1696	27.52	699	3.75	95.5	13.62	346.1	11.48	291.6	1.98
8905600	74.65	1896	27.52	699	3.75	95.5	13.62	346.1	11.48	291.6	1.98
8906600	74.65	1896	27.52	699	3.75	95.5	13.62	346.1	11.48	291.6	1.98
8995600	74.65	1896	35.39	899	3.75	95.5	13.62	346.1	11.48	291.6	1.98
8996600	74.65	1896	35.39	899	3.75	95.5	13.62	346.1	11.48	291.6	1.98

PS Freestanding FMD Enclosures

PS Freestanding FMD Enclosures											
Part No.	H		W		D		D1 master door		D2 slave door	C panel depth	
	inches	mm	inches	mm	inches	mm	inches	mm		inches	mm
4984600	70.87	1800	31.50	800	15.75	400	23.30	592	-	5.86-13.74	149-349
4985600	70.87	1800	31.50	800	19.69	500	23.30	592	-	5.86-17.67	149-449
4980600	70.87	1800	39.37	1000	19.69	500	31.18	792	-	5.86-17.67	149-449
4905600	78.74	2000	31.50	800	19.69	500	23.30	592	-	5.86-17.67	149-449
4906600	78.74	2000	31.50	800	23.62	600	23.30	592	-	5.86-21.61	149-549
4995600	78.74	2000	39.37	1000	19.69	500	31.18	792	-	5.86-17.67	149-449
4996600	78.74	2000	39.37	1000	23.62	600	31.18	792	-	5.86-21.61	149-549

PS Freestanding FMD Enclosures (Continued)											
Part No.	Panel size — see figure A for illustration										
	H		W		CL		HL		PA		PE
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
4984600	66.77	1696	27.52	699	3.75	95.5	13.62	346.1	11.48	291.6	1.98
4985600	66.77	1696	27.52	699	3.75	95.5	13.62	346.1	11.48	291.6	1.98
4980600	66.77	1696	35.39	899	3.75	95.5	13.62	346.1	11.48	291.6	1.98
4905600	74.65	1896	27.52	699	3.75	95.5	13.62	346.1	11.48	291.6	1.98
4906600	74.65	1896	27.52	699	3.75	95.5	13.62	346.1	11.48	291.6	1.98
4995600	74.65	1896	35.39	899	3.75	95.5	13.62	346.1	11.48	291.6	1.98
4996600	74.65	1896	35.39	899	3.75	95.5	13.62	346.1	11.48	291.6	1.98

- TS/PS Door Interlock Accessories**
- Master door interlock kit*
 - Slave door interlock kit
 - Slave door interlock rods
 - 23.6"/600 mm
 - 31.5"/800 mm
 - 47.2"/1200 mm
- * Included with every TS/PS enclosure.

- Part No.**
- PS 4910000/TS 8910000**
- PS 4911000**
-
- PS 4916000**
- PS 4918000**
- PS 4920000**

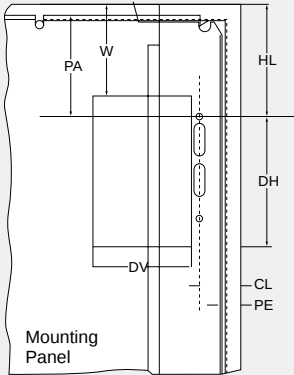


FIG. A



TS/PS Freestanding FMD Enclosures

Allen-Bradley 1494V Disconnects/Circuit Breakers (Fig. A pg. FMD 28)									
Allen Bradley Part No.	Amp rating	Fuse clip	Fuse class	DH		DW*		When HL=346.1 (13.62)	
								inches	mm
				inches	mm	inches	mm	W	W
1494VDS30	30A	Unfused	-	3.8	98.4	7.12	181.0	11.78	299.3
1494VDS30	30A	30A-250V	H, K, R	5.19	131.9	7.12	181.0	11.78	299.3
1494VDS30	30A	30A-600V	H, K, R	7.9	202.4	7.12	181.0	11.78	299.3
1494VDS30	30A	30A-600V	J	5.19	131.9	7.12	181.0	11.78	299.3
1494VDS30	30A	60A-250V	H, K	5.9	151.6	7.12	181.0	11.78	299.3
1494VDS30	30A	60A-600V	H, K	8.47	215.2	7.12	181.0	11.78	299.3
1494VDS30	30A	60A-600V	J	5.3	135.5	7.12	181.0	11.78	299.3
1494VDS60	60A	Unfused	-	3.8	98.4	7.12	181.0	11.78	299.3
1494VDS60	60A	60A-250V	H, K, R	5.9	151.6	7.12	181.0	11.78	299.3
1494VDS60	60A	60A-600V	H, K, R	8.47	215.2	7.12	181.0	11.78	299.3
1494VDS60	60A	60A-600V	J	5.3	135.5	7.12	181.0	11.78	299.3
1494VDS60	60A	30A-600V	H, K, R	7.9	202.4	7.12	181.0	11.78	299.3
1494VDS60	60A	100A-250V	H, K	8.86	225.1	7.12	181.0	11.78	299.3
1494VDS60	60A	100A-600V	H, K	10.8	275.9	7.12	181.0	11.78	299.3
1494VDS60	60A	100A-600V	J	7.6	193.3	7.12	181.0	11.78	299.3
1494VDS100	100A	Unfused	-	3.8	98.4	7.12	181.0	11.2	284.6
1494VDS100	100A	100A-250V	H, K, R	9.6	244.1	7.12	181.0	11.2	284.6
1494VDS100	100A	100A-600V	H, K, R	11.6	294.9	7.12	181.0	11.2	284.6
1494VDS100	100A	100A-600V	J	8.3	212.3	7.12	181.0	11.2	284.6
1494VDS100	100A	200A-250V	H, K	12.4	315.1	7.12	181.0	11.2	284.6
1494VDS100	100A	200A-600V	H, K	14.9	378.6	7.12	181.0	11.2	284.6
1494VDS100	100A	200A-600V	J	11.03	280.2	7.12	181.0	11.2	284.6
1494VDS200	200A	Unfused	-	4.6	118.3	8.4	213.9	10.2	259.2
1494VDS200	200A	200A-250V	H, K, R	11.8	300.4	8.4	213.9	10.2	259.2
1494VDS200	200A	200A-600V	H, K, R	14.3	363.9	8.4	213.9	10.2	259.2
1494VDS200	200A	200A-600V	J	10.4	265.5	8.4	213.9	10.2	259.2
1494VM40	150A	EHD, FD, FDB, FDC, HFD, H MCP	-	6.0	152.0	4.125	104.7	12.62	320.7
1494VM50	250A	JD, JDB, JDC, HJD, HMCP	-	10.0	254.0	4.125	104.7	12.09	307.1
1494VM60	400A	KD, KDB, KDC, HKD, HMCP	-	10.125	257.0	5.5	140.0	14.27	362.5

* Does not include space for optional auxillary switch.

Note:

1. For applications above 200A, please contact your local Rittal representative.

TS/PS Freestanding FMD Enclosures

Square D Class 9422 Disconnects/Circuit Breakers (Fig. A pg. FMD 28)									
Square D Part No.	Amp rating	Fuse clip	Fuse class	DH		DW*		When HL=346.1 (13.62)	
								inches	mm
				inches	mm	inches	mm	W	W
TCN30	30A	Unfused	-	3.8	96.52	6.2	157.48	12.02	305.3
TCF30	30A	30A-250V	H, K, R	5.42	137.79	6.2	157.48	12.02	305.3
TCF33	30A	30A-600V	H, K, R	8.05	204.4	6.2	157.48	12.02	305.3
TCF33	30A	30A-600V	J	5.42	137.79	6.2	157.48	12.02	305.3
TCF33	30A	60A-250V	H, K, R	6.05	153.6	6.2	157.48	12.02	305.3
TDN60	60A	Unfused	-	3.8	96.52	6.2	157.48	12.02	305.3
TDF60	60A	60A-250V	H, K, R	6.05	153.6	6.2	157.48	12.02	305.3
TDF60	60A	30A-600V	H, K, R	8.05	204.4	6.2	157.48	12.02	305.3
TDF63	60A	60A-600V	H, K, R	8.55	217.17	6.2	157.48	12.02	305.3
TDF63	60A	60A-600V	J	5.42	137.79	6.2	157.48	12.02	305.3
TEN10	100A	Unfused	-	3.8	96.52	6.2	157.48	12.02	305.3
TEF10	100A	100A-250V	H, K, R	8.25	209.55	6.2	157.48	12.02	305.3
TEF10	100A	100A-600V	H, K, R	10.25	260.35	6.2	157.48	12.02	305.3
TEF10	100A	100A-600V	J	7.05	179.07	6.2	157.48	12.02	305.3
TF1	200A	Unfused	-	5.25	133.35	11.63	295.4	10.37	263.3
TF2	200A	200A-250V	H, K, R	11.2	284.48	11.63	295.4	10.37	263.3
TF2	200A	200A-600V	H, K, R	13.7	347.98	11.63	295.4	10.37	263.3
TF2	200A	200A-600V	J	9.83	249.68	11.63	295.4	10.37	263.3
TF3	200A	400A-600V	J	14.25	361.95	11.63	295.4	10.37	263.3
RG1	75, 100A	GJL	CB	3.75	95.2	3.54	90	12.62	320.5
RN1	100A	FAL, FHL	CB	8.03	203.9	4.5	114.0	13.15	334.01
RP1	250A	KAL, KHL	CB	9.66	245.3	4.5	114.0	13.15	334.01

* DW dimension without operating mechanism.

Note:

1. For applications above 200A, please contact your local Rittal representative.





TS/PS Freestanding FMD Enclosures

General Electric STDA Disconnects (Fig. A pg. FMD 28)									
GE Operating Mechanism Part No.	Amp rating	Fuse clip	Fuse class	DH		DW		When HL=346.1 (13.63)	
				inches	mm	inches	mm	inches	mm
								W	W
TDOM1A	30A	Unfused	-	3.75	95.2	5.7	144.4	9.97	253.3
TDOM1A	30A	30A-250V	H, R	5.6	142.8	5.7	144.4	9.97	253.3
TDOM1B	30A	30A-600V	H, R	8.6	219	5.7	144.4	9.97	253.3
TDOM1B	30A	60A-250V	H, R	7	177.8	5.7	144.4	9.97	253.3
TDOM1B	30A	60A-600V	H, R	9.5	241.3	5.7	144.4	9.97	253.3
TDOM1A	60A	Unfused	-	4.06	103.1	5.7	144.4	9.97	253.3
TDOM1B	60A	60A-250V	H, R	7	177.8	5.7	144.4	9.97	253.3
TDOM1B	60A	60A-600V	H, R	9.5	241.3	5.7	144.4	9.97	253.3
TDOM1B	60A	100A-250V	H, R	8.4	213.5	5.7	144.4	9.97	253.3
TDOM1B	60A	100A-600V	H, R	10.4	264.3	5.7	144.4	9.97	253.3
TDOM1A	100A	Unfused	-	4.1	104.7	5.7	144.4	9.97	253.3
TDOM1B	100A	100A-250V	H, R	8.4	213.5	5.7	144.4	9.97	253.3
TDOM1B	100A	100A-600V	H, R	10.4	264.3	5.7	144.4	9.97	253.3
TDOM1B	100A	200A-250V	H, R	13.9	353.2	5.7	144.4	9.97	253.3
TDOM1B	100A	200A-600V	H, R	16.4	416.7	5.7	144.4	9.97	253.3
TDOM2	200A	Unfused	-	7.59	192.8	8.78	223	9.97	253.3
TDOM2	200A	200A-250V	H, R	13.9	353.2	8.78	223	9.97	253.3
TDOM2	200A	200A-600V	H, R	16.4	416.7	8.78	223	9.97	253.3

Note:

- 1. For applications above 200A, please contact your local Rittal representative.

General Electric STDA Circuit Breakers (Fig. A pg. FMD 28)								
GE Operating Mechanism Part No.	Amp rating	Fuse clip	DH		DW		When HL=346.1 (13.63)	
			inches	mm	inches	mm	inches	mm
							W	W
TDOM1A	150A	TEB, TED, THED	5.59	142	4.1	104.7	11.2	286.6
TDOM1A	150A	TEC	5.59	142	4.1	104.7	11.2	286.6
TDOM1B	150A	TB1	9.59	243.6	4.1	104.7	11.2	286.6
TDOM1B	150A	TEC, TECL	7.46	189.7	4.1	104.7	11.2	286.6
TDOM1C	150A	TEL	5.59	142	4.1	104.7	11.2	286.6
TDOM1D	150A	THLC1	8.37	212.7	4.1	104.7	11.63	295.4
TDOM3	225A	TFJ	8.93	227	4.1	104.7	11.4	290.6
TDOM3	225A	TFK, THFK, TFL	8.93	227	4.1	104.7	11.4	290.6
TDOM6	225A	THLC2	10.8	275.4	5.7	145.2	7.03	178.7

Note:

- 1. For applications above 200A, please contact your local Rittal representative.



TS/PS Freestanding FMD Enclosures

Cutler-Hammer C371 Disconnect Switches (Fig. A pg. FMD 28)									
Cutler-Hammer Part No.	Amp rating	Fuse clip	Fuse class	DH		DW		When HL=346.1 (13.62)	
				inches	mm	inches	mm	inches	mm
								W	W
NC	30A	Unfused	-	3.9	99.18	6	152.4	12.28	311.9
SC21	30A	30A-250V	H, K, R	7.6	194.74	6	152.4	12.28	311.9
SC61	30A	60A-250V	H, K, R	8.16	207.4	6	152.4	12.28	311.9
SC61	30A	30A-600V	H, K, J, R	7.6	194.74	6	152.4	12.28	311.9
ND	60A	Unfused	-	3.9	99.18	6	152.4	12.28	311.9
SD22	60A	Unfused	-	3.9	99.18	6	152.4	12.28	311.9
SD22	60A	60A-250V	H, K, R	8.16	207.4	6	152.4	12.28	311.9
SD62	60A	60A-600V	H, K, R	8.16	207.4	6	152.4	12.28	311.9
SD62	60A	60A-600V	J	7.79	197.9	6	152.4	12.28	311.9
NE	100A	Unfused	-	8.9	226.05	7	187.5	11.61	294.8
SE263	100A	100A-250V	H, K, R	8.9	226.05	7	187.5	11.61	294.8
SE263	100A	100A-600V	H, K, R	8.9	226.05	7	187.5	11.61	294.8
SE263	100A	100A-600V	J	8.9	226.05	7	187.5	11.61	294.8
NF	200A	Unfused	-	13.1	333.8	9.75	247.6	8.36	212.47
SF264	200A	200A-250V	H, K, R	13.1	333.8	9.75	247.6	8.36	212.47
SF264	200A	200A-600V	H, K, R	13.1	333.8	9.75	247.6	8.36	212.47
SF2664	200A	200A-600V	J	13.1	333.8	9.75	247.6	8.36	212.47

Note:

- 1. For applications above 200A, please contact your local Rittal representative.
- 2. DH dimension includes the lowering mechanism.

Cutler-Hammer C371 Circuit Breaker Operators (Fig. A pg. FMD 28)								
Cutler-Hammer Part No.	Amp rating	Frame type	DH		DW		When HL=346.1 (13.63)	
			inches	mm	inches	mm	inches	mm
							W	W
C371E	150A	Cutler-Hammer EHD, FDB, FD, FDC, HFD	5.33	135.3	4.125	105	12.95	328.9
C371E	150A	Westinghouse F Frame/Series C	5.33	135.3	4.125	105	12.95	328.9
C371F	225A	Cutler-Hammer HJD, JD, JDC	5.37	136.5	10	254	12.99	330
C371F	250A	Westinghouse J Frame/Series C	5.37	136.5	10	254	12.99	330

Note:

- 1. For applications above 200A, please contact your local Rittal representative.



TS/PS Freestanding FMD Enclosures

ITE Max-Flex Operators for Disconnect Switches (Fig. A pg. FMD 34)											
Switch Operator Part No.	Max-Flex variable depth complete handle mechanism	Fixed depth complete handle mechanism	Amp rating	Fuse kit	Fuse class	Panel space requirements					
						A		B		C	
						inches	mm	inches	mm	inches	mm
MCS603R MCS603L	FHOS06036R FHOS06036L	FDFS06R	30A	No fuse	-	6.13	155.7	5.52	140.2	-	-
			30A	30A, 250V	H, R	6.13	155.7	5.52	140.2	8.11	205.9
			30A	30A, 600V	H, R	6.13	155.7	5.52	140.2	10.11	256.7
			30A	30A, 600V	J	6.13	155.7	5.52	140.2	8.48	215.3
MCS606R MCS606L	FHOS06036R FHOS06036L	FDFS06R	60A	No fuse	-	6.13	155.7	5.52	140.2	-	-
			60A	60A, 250V	H, R	6.13	155.7	5.52	140.2	7.86	199.6
			60A	60A, 600V	H, R	6.13	155.7	5.52	140.2	10.38	263.6
			60A	60A, 600V	J	6.13	155.7	5.52	140.2	8.35	212.0
MCS610R MCS610L	FHOS06036R FHOS06036L	FDFS06R	100A	No fuse	-	7.38	187.4	7.59	192.7	-	-
			100A	100A, 250V	H, R	7.38	187.4	7.59	192.7	11.85	300.9
			100A	100A, 600V	H, R	7.38	187.4	7.59	192.7	13.85	351.7
			100A	100A, 600V	J	7.38	187.4	7.59	192.7	10.6	269.2
MCS620R MCS620L	FHOS20036R FHOS20036L	FDFS20R	200A	No fuse	-	9.17	232.9	9.00	228.6	-	-
			200A	200A, 250V	H, R	9.17	232.9	9.00	228.6	14.7	373.3
			200A	200A, 600V	H, R	9.17	232.9	9.00	228.6	17.2	436.8
			200A	200A, 600V	J	9.17	232.9	9.00	228.6	13.32	338.3

- Note:**
- To order Class R fuse kit, you must order Class H fuse kit and corresponding Class R fuse conversion kit.
 - Max-Flex standard cable length is 36 inches. Alternate cable lengths are available by special order.
 - Maximum length with Class H and R fuses.

Maximum E Dimension For ITE Max-Flex With Disconnect Switch (Fig. B pg. FMD 34)											
Part No.	Cable Part No.	When enclosure depth = MPL standard position									
		When		When		When		When		When	
		13.87 (350)= 11.77 (299)		15.75 (400)= 13.74 (349)		19.69 (500)= 17.67 (449)		23.62 (600)= 21.61 (549)		31.5 (800)= 29.48 (749)	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
MCS603, MCS606, MCS610	FHOEC036	13.5	342.9	8.0	203.2	-	-	-	-	-	-
MCS620	FHOEC036	12.5	317.5	7.0	177.8	-	-	-	-	-	-

Fixed Depth Flange Mounted Handle With ITE Disconnect Switch (Fig. C pg. FMD 34)											
Part No.	Handle Part No.	Dimension									
		X1		X2		Y1		Y2		Z1*	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
MCS603, MCS606	FDFS06R	3.52	89.4	1.5	38.1	0.0	0.0	1.89	48.0	6.44	163.5
MCS610	FDFS06R	3.91	99.3	1.81	45.9	0.13	3.3	3.0	76.2	6.44	163.5
MCS620	FDFS20R	1.51	38.3	7.86	199.6	0.38	9.6	5.44	138.1	10.93	277.6

* Z1 is the distance between the enclosure door and MPL.



TS/PS Freestanding FMD Enclosures

ITE Max-Flex Operators For Circuit Breakers			
Breaker Operator Part No.	Amp rating	Circuit breaker frame size	For use with breaker type(s)
FHOE036	125	ED, HED EF (CE)	ED2, ED4, ED6, HED4, HED6, ED6, ETI, HHED6 EFC
FHOE036	125	ED, HED EF (CE)	CED6, CED6 ETI EFF
FHOF036	250	ED, HED FF (CE)	FXD6-A, FD6-A, HFD6, HFXD6, HHFD6, FD6 ETI FFC, FFF
FHOE036	250	CFD	CFD6, CFD6 ETI

- Note:**
- For applications above 200A, please contact your local Rittal representative.

ITE Circuit Breaker Mounting Dimensions (Fig. D pg. FMD 34)														
Circuit Breaker	Amp rating	Dimensions												
		A		B		C		D		K		DH (normal)		Tap
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	size
ED, HED, EF	125	1.0	25.4	5.0	127.0	0.65	16.5	6.33	160.7	-	-	6.81	172.9	#8-32
CED, EF	125	1.0	25.4	5.0	127.0	0.65	16.5	9.58	243.3	3.21	81.5	6.81	172.9	#8-32
FXD, FD, HFD, HFXD, FF	250	1.5	38.1	7.5	190.5	1.0	25.4	9.5	241.3	-	-	6.78	172.2	#1/4 20
CFD	250	1.5	38.1	7.5	190.5	1.0	25.4	14.25	361.9	4.6	117.4	6.78	172.2	#1/4 20

ITE Maximum “E” Dimension For ITE Max-Flex With Circuit Breaker (Fig. D pg. FMD 34)											
Cable Part No.	Frame Size	Enclosure depth= MPL position									
		When 8.27 (210.0)= 7.24 (184.0)		When 9.84 (250.0)= 8.82 (224.0)		When 11.81 (300.0)= 10.78 (274.0)		When 13.87 (350.0)= 12.75 (324.0)		When 15.75 (400.0)= 10.75 (273.0)	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
FHOEC036	ED, HED, CED, EF	11.2	284.4	11.0	279.4	10.5	266.7	8.3	210.8	10.5	266.7
FHOEC036	FXD, FD, HFD, HFXD, FF, CFD	11.2	284.4	11.0	279.4	10.5	266.7	8.3	210.8	10.5	266.7

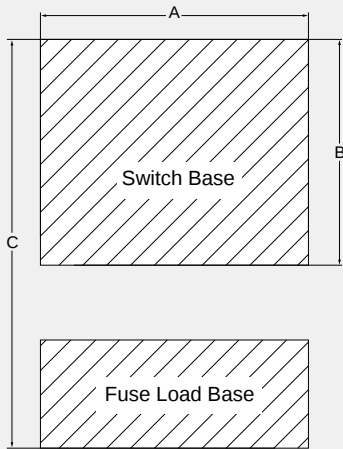


FIG. A

FIG. B

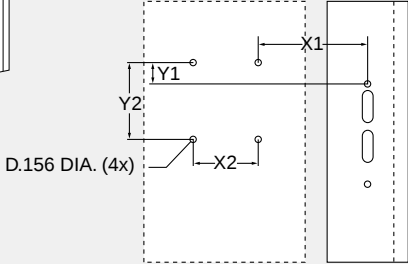


FIG. C

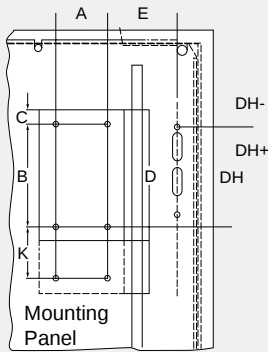


FIG. D



NEMA 4/4X Wallmount Enclosures (HS)

NEMA 4 Wallmount Carbon Steel Enclosures/NEMA 4X Wallmount Stainless Steel Enclosures (Continued)														
Part No.	Mounting panel size				Usable depth		Fig. A pg. FMD 36							
	inches		mm		inches	mm	inches				mm			
	E	F	E	F	G	G	CL	HL	PA	PE	CL	HL	PA	PE
E 24HS2108	21	17	533.4	431.8	8	203.2	1.594	8.625	7.125	2.565	40.5	219.1	181.0	65.2
E 24HS2508SS	21	21	533.4	533.4	8	203.2	1.594	8.625	7.125	2.565	40.5	219.1	181.0	65.2
E 36HS3108/ E 36HS3108SS	33	27	838.2	685.8	7.37	187.2	1.594	8.625	7.125	2.565	40.5	219.1	181.0	65.2
E 42HS3112/ E 42HS3112SS	39	27	990.6	685.8	11.37	288.8	1.594	11.625	10.125	2.565	40.5	295.3	257.2	65.2
E 48HS3712/ E 48HS3712SS	45	33	1143.0	838.2	11.37	288.8	1.594	11.625	10.125	2.565	40.5	295.3	257.2	65.2
E 60HS3712SS	57	33	1447.8	838.2	11.37	288.8	1.594	11.625	10.125	2.565	40.5	295.3	257.2	65.2

* Usable depth reduced with 0.625" at door stiffener.

NEMA 12 Wallmount Enclosures (SA)

NEMA 12 Wallmount Carbon Steel Enclosures																		
Part No.	Height/width/depth						Mounting centers				Door and body stiffener	Door size				Mounting Panel Part No.		
	inches			mm			inches		mm			inches		mm				
	A	B	C	A	B	C	H	W	H	W		J	K	J	K			
E 20SA2208	20	21.38	8	508.0	543.1	203.2	21.25	15.38	539.8	390.7	NO	18.25	18.25	463.6	463.6	E 20P20		
E 30SA2608	30	25.38	8	762.0	644.7	203.2	31.25	19.38	793.8	492.3	NO	28.25	22.25	717.6	565.2	E 30P24		
E 30SA2210	30	21.38	10	762.0	543.1	254.0	31.25	15.38	793.8	390.7	NO	28.25	18.25	717.6	463.6	E 30P20		
E 30SA2610	30	25.38	10	762.0	644.7	254.0	31.25	19.38	793.8	492.3	NO	28.25	22.25	717.6	565.2	E 30P24		
E 36SA3210	36	31.38	10	914.4	797.1	254.0	37.25	25.38	946.2	644.7	YES*	34.25	28.25	870.0	717.6	E 36P30		
E 36SA3212	36	31.38	12	914.4	797.1	304.8	37.25	25.38	946.2	644.7	YES*	34.25	28.25	870.0	717.6	E 36P30		
E 42SA3212	42	31.38	12	1066.8	797.1	304.8	43.25	25.38	1098.6	644.7	YES*	40.25	28.25	1022.4	717.6	E 42P30		
E 48SA3812	48	37.38	12	1219.2	949.5	304.8	49.25	31.38	1251.0	797.1	YES*	46.25	34.25	1174.8	870.0	E 48P36		
E 60SA3812	60	37.38	12	1524.0	949.5	304.8	61.25	31.38	1555.8	797.1	YES*	58.25	34.25	1479.6	870.0	E 60P36		
E 60SA3816	60	37.38	16	1524.0	949.5	406.4	61.25	31.38	1555.8	797.1	YES*	58.25	34.25	1479.6	870.0	E 60P36		

NEMA 12 Wallmount Carbon Steel Enclosures (Continued)														
Part No.	Mounting panel size				Usable depth		Fig. A pg. FMD 36							
	inches		mm		inches	mm	inches				mm			
	E	F	E	F	G	G	CL	HL	PA	PE	CL	HL	PA	PE
E 20SA2208	17	17	431.8	431.8	7.75	196.9	1.5	4.75	3.250	2.565	38.1	120.7	82.6	65.2
E 30SA2608	27	21	685.8	533.4	7.75	196.9	1.5	4.75	3.250	2.565	38.1	120.7	82.6	65.2
E 30SA2210	27	17	685.8	431.8	9.75	247.7	1.5	7.094	5.594	2.565	38.1	180.2	142.1	65.2
E 30SA2610	27	21	685.8	533.4	9.75	247.7	1.5	7.094	5.594	2.565	38.1	180.2	142.1	65.2
E 36SA3210	33	27	838.2	685.8	9.12	231.6	1.5	7.094	5.594	2.565	38.1	180.2	142.1	65.2
E 36SA3212	33	27	838.2	685.8	11.12	282.4	1.5	11.625	10.125	2.565	38.1	295.3	257.2	65.2
E 42SA3212	39	27	990.6	685.8	11.12	282.4	1.5	11.625	10.125	2.565	38.1	295.3	257.2	65.2
E 48SA3812	45	33	1143.0	838.2	11.12	282.4	1.5	11.625	10.125	2.565	38.1	295.3	257.2	65.2
E 60SA3812	57	33	1447.8	838.2	11.12	282.4	1.5	11.625	10.125	2.565	38.1	295.3	257.2	65.2
E-60SA3816	57	33	1447.8	838.2	15.12	384.0	1.5	11.625	10.125	2.565	38.1	295.3	257.2	65.2

* Usable depth reduced with 0.625" at door stiffener.

NEMA 4/4X And NEMA 12 Wallmount Enclosures

For HS, SA Enclosures: Allen-Bradley 1494V Disconnects/Circuit Breakers (Fig. A pg. FMD 36)																		
Allen Bradley Part No.	Amp rating	Fuse clip	Fuse class	DH		DW*		SA HL=4.75 (120.6)		SA HL=7.094 (180.2)		HS HL=8.625 (219)		HS, SA HL=11.6 (295)		SA# HL=18.375 (466.7)		
				inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	
								W	W	W	W	W	W	W	W	W	W	
1494V-DS30	30A	Unfused	-	3.87	98.3	7.12	180.8	3.01	76.5	5.35	135.9	6.8	172.7	9.86	250.4	-	-	
1494V-DS30	30A	30A-250V	H,K,R	5.19	131.8	7.12	180.8	3.01	76.5	5.35	135.9	6.8	172.7	9.86	250.4	-	-	
1494V-DS30	30A	30A-600V	H,K,R	7.96	202.2	7.12	180.8	3.01	76.5	5.35	135.9	6.8	172.7	9.86	250.4	-	-	
1494V-DS30	30A	30A-600V	J	5.19	131.8	7.12	180.8	3.01	76.5	5.35	135.9	6.8	172.7	9.86	250.4	-	-	
1494V-DS30	30A	60A-250V	H,K,R	5.41	137.4	7.12	180.8	3.01	76.5	5.35	135.9	6.8	172.7	9.86	250.4	-	-	
1494V-DS30	30A	60A-600V	H,K,R	8.47	215.1	7.12	180.8	3.01	76.5	5.35	135.9	6.8	172.7	9.86	250.4	-	-	
1494V-DS30	30A	60A-600V	J	5.3	134.6	7.12	180.8	3.01	76.5	5.35	135.9	6.8	172.7	9.86	250.4	-	-	
1494V-DS60	60A	Unfused	-	3.87	98.3	7.12	180.8	-	-	5.1	129.5	6.69	169.9	9.67	245.6	-	-	
1494V-DS60	60A	60A-250V	H,K,R	5.41	137.4	7.12	180.8	-	-	5.1	129.5	6.69	169.9	9.67	245.6	-	-	
1494V-DS60	60A	60A-600V	H,K,R	8.47	215.1	7.12	180.8	-	-	5.1	129.5	6.69	169.9	9.67	245.6	-	-	
1494V-DS60	60A	60A-600V	J	5.3	134.6	7.12	180.8	-	-	5.1	129.5	6.69	169.9	9.67	245.6	-	-	
1494V-DS60	60A	30A-600V	H,K,R	7.96	202.2	7.12	180.8	-	-	5.1	129.5	6.69	169.9	9.67	245.6	-	-	
1494V-DS60	60A	100A-250V	H,K	8.86	225.0	7.12	180.8	-	-	5.1	129.5	6.69	169.9	9.67	245.6	-	-	
1494V-DS60	60A	100A-600V	H,K	10.8	274.3	7.12	180.8	-	-	5.1	129.5	6.69	169.9	9.67	245.6	-	-	
1494V-DS60	60A	100A-600V	J	7.6	193.0	7.12	180.8	-	-	5.1	129.5	6.69	169.9	9.67	245.6	-	-	
1494V-DS100	100A	Unfused	-	3.8	96.5	7.12	180.8	-	-	-	-	6.5	165.1	9.5	241.3	-	-	
1494V-DS100	100A	100A-250V	H,K,R	9.6	243.8	7.12	180.8	-	-	-	-	6.5	165.1	9.5	241.3	-	-	
1494V-DS100	100A	100A-600V	H,K,R	11.6	294.6	7.12	180.8	-	-	-	-	6.5	165.1	9.5	241.3	-	-	
1494V-DS100	100A	100A-600V	J	8.3	210.8	7.12	180.8	-	-	-	-	6.5	165.1	9.5	241.3	-	-	
1494V-DS100	100A	200A-250V	H,K	12.4	315.0	7.12	180.8	-	-	-	-	6.5	165.1	9.5	241.3	-	-	
1494V-DS100	100A	200A-600V	H,K	14.9	378.5	7.12	180.8	-	-	-	-	6.5	165.1	9.5				



NEMA 4/4X And NEMA 12 Wallmount Enclosures

For HS, SA Enclosures: Square D Class 9422 Disconnects/Circuit Breakers (Fig. A pg. FMD 36)															
Square D Type 9422 Part No.	Amp rating	Fuse clip	Fuse class	DH		DW*		SA HL=4.75 (120.6)		SA HL=7.094 (180.2)		HS HL=8.625 (219)		HS,SA HL=11.6 (295)	
								inches	mm	inches	mm	inches	mm	inches	mm
				inches	mm	inches	mm	W	W	W	W	W	W	W	W
TCN30	30A	Unfused	-	3.8	96.5	6.2	157.5	3.15	80.0	5.49	139.4	7.03	178.4	10	254.0
TCF30	30A	30A-250V	H,K,R	5.42	137.7	6.2	157.5	3.15	80.0	5.49	139.4	7.03	178.4	10	254.0
TCF33	30A	30A-600V	H,K,R	8.05	8.1	6.2	157.5	3.15	80.0	5.49	139.4	7.03	178.4	10	254.0
TCF33	30A	30A-600V	J	5.42	137.7	6.2	157.5	3.15	80.0	5.49	139.4	7.03	178.4	10	254.0
TCF33	30A	60A-250V	H,K,R	6.05	153.7	6.2	157.5	3.15	80.0	5.49	139.4	7.03	178.4	10	254.0
TDN60	60A	Unfused	-	3.8	96.5	6.2	157.5	3.15	80.0	5.49	139.4	7.03	178.4	10	254.0
TDF60	60A	60A-250V	H,K,R	6.05	153.7	6.2	157.5	3.15	80.0	5.49	139.4	7.03	178.4	10	254.0
TDF60	60A	30A-600V	H,K,R	8.05	204.5	6.2	157.5	3.15	80.0	5.49	139.4	7.03	178.4	10	254.0
TDF63	60A	60A-600V	H,K,R	8.55	217.2	6.2	157.5	3.15	80.0	5.49	139.4	7.03	178.4	10	254.0
TDF63	60A	60A-600V	J	5.42	137.7	6.2	157.5	3.15	80.0	5.49	139.4	7.03	178.4	10	254.0
TEN10	100A	Unfused	-	3.8	96.5	6.2	157.5	-	-	5.49	139.4	7.03	178.4	10	254.0
TEF10	100A	100A-250V	H,K,R	8.25	209.6	6.2	157.5	-	-	5.49	139.4	7.03	178.4	10	254.0
TEF10	100A	100A-600V	H,K,R	10.25	260.4	6.2	157.5	-	-	5.49	139.4	7.03	178.4	10	254.0
TEF10	100A	100A-600V	J	7.05	179.1	6.2	157.5	-	-	5.49	139.4	7.03	178.4	10	254.0
TF1	200A	Unfused	-	5.25	133.4	11.63	295.4	-	-	-	-	-	-	8.35	212.1
TF2	200A	200A-250V	H,K,R	11.2	284.5	11.63	295.4	-	-	-	-	-	-	8.35	212.1
TF2	200A	200A-600V	H,K,R	13.7	348.0	11.63	295.4	-	-	-	-	-	-	8.35	212.1
TF2	200A	200A-600V	J	9.83	249.7	11.63	295.4	-	-	-	-	-	-	8.35	212.1
TF3	200A	400A-600V	J	14.25	362.0	11.63	295.4	-	-	-	-	-	-	8.35	212.1
RG1	75,100A	GJL	Circuit breaker	4.72	119.9	3.54	89.9	-	-	6.09	154.7	7.63	193.7	10.6	269.2
RN1	100A	FAL, FHL	Circuit breaker	6	152.4	4.5	114.3	-	-	6.184	157.1	9.54	242.2	10.69	271.5
RP1	250A	KAL, KHL	Circuit breaker	8	203.2	4.5	114.3	-	-	6.184	157.1	9.54	242.2	10.69	271.5

* DW dimension without operating mechanism

Note: 1. For applications above 200A, please contact your local Rittal representative.

For HS, SA Enclosures: General Electric STDA Disconnects/Circuit Breakers (Fig. A pg. FMD 36)													
GE Type STDA Part No.	Amp rating	Fuse clip	Fuse class	DH		DW		SA HL=4.75 (120.6)	SA HL=7.094 (180.2)	HS HL=8.625 (219)		HS, SA HL=11.6 (295)	
										inches	mm	inches	mm
				inches	mm	inches	mm	W	W	W	W	W	W
Disconnects													
TDOM1A	30A	Unfused	-	1.18	30.0	4.09	103.9	-	-	4.44	112.8	7.4	188.0
TDOM1A	30A	30A-250V	H, R	3	76.2	4.09	103.9	-	-	4.44	112.8	7.4	188.0
TDOM1B	30A	30A-600V	H, R	6	8.1	5.68	144.3	-	-	4.44	112.8	7.4	188.0
TDOM1B	30A	60A-250V	H, R	3	6.1	4.09	103.9	-	-	4.44	112.8	7.4	188.0
TDOM1B	30A	60A-600V	H, R	6	152.4	5.68	144.3	-	-	4.44	112.8	7.4	188.0
TDOM1A	60A	Unfused	-	1.18	30.0	4.09	103.9	-	-	4.44	112.8	7.4	188.0
TDOM1B	60A	60A-250V	H, R	4.4	111.8	5.68	144.3	-	-	4.44	112.8	7.4	188.0
TDOM1B	60A	60A-600V	H, R	6.9	175.3	5.87	149.1	-	-	4.44	112.8	7.4	188.0
TDOM1B	60A	100A-250V	H, R	4.4	111.8	5.68	144.3	-	-	4.44	112.8	7.4	188.0
TDOM1B	60A	100A-600V	H, R	6.9	175.3	5.87	149.1	-	-	4.44	112.8	7.4	188.0
TDOM1A	100A	Unfused	-	1.18	30.0	4.09	103.9	-	-	4.44	112.8	7.4	188.0
TDOM1B	100A	100A-250V	H, R	5.8	147.3	6.18	157.0	-	-	4.44	112.8	7.4	188.0
TDOM1B	100A	100A-600V	H, R	7.8	198.1	6.18	157.0	-	-	4.44	112.8	7.4	188.0
TDOM1B	100A	200A-250V	H, R	11.6	294.6	6.18	157.0	-	-	4.44	112.8	7.4	188.0
TDOM1B	100A	200A-600V	H, R	16.1	408.9	6.18	157.0	-	-	4.44	112.8	7.4	188.0
TDOM2	200A	Unfused	-	7.5	190.5	8.4	213.4	-	-	-	-	8.35	7.9
TDOM2	200A	200A-250V	H, R	13.5	342.9	8.4	213.4	-	-	-	-	8.35	7.9
TDOM2	200A	200A-600V	H, R	16	406.4	8.4	213.4	-	-	-	-	8.35	7.9
Circuit Breakers													
TDOM1A	150A	TEB, TED, THED	-	3.96	100.6	4.1	104.1	-	-	6.28	159.5	8.9	226.1
TDOM1A	150A	TEC	-	3.96	100.6	4.1	104.1	-	-	6.28	159.5	8.9	226.1
TDOM1B	150A	TB1	-	7.96	8.1	4.1	104.1	-	-	6.28	159.5	8.9	226.1
TDOM1B	150A	TEC, TECL	-	5.84	6.1	4.1	104.1	-	-	6.28	159.5	8.9	226.1
TDOM1C	150A	TEL	-	3.96	100.6	4.1	104.1	-	-	6.28	159.5	8.9	226.1
TDOM1D	150A	THLC1	-	6.75	171.5	4.1	104.1	-	-	6.62	168.1	9.6	243.8
TDOM3	225A	TFJ	-	7.3	185.4	4.1	104.1	-	-	-	-	8.78	223.0
TDOM3	225A	TFK, THFK, TFL	-	7.3	185.4	4.1	104.1	-	-	-	-	8.78	223.0
TDOM3	225A	THLC2	-	4.8	121.9	5.7	144.8	-	-	-	-	-	-

Note: 1. For applications above 200A, please contact your local Rittal representative.



NEMA 4/4X And NEMA 12 Wallmount Enclosures

For HS, SA Enclosures: Cutler-Hammer C361 Disconnect Switches (Fig. A pg. FMD 36)							
Cutler-Hammer Part No.	Amp rating	Fuse clip	Fuse class	DH		DW	
				inches	mm	inches	mm
NC	30A	Unfused	-	3.90	99.06	6.00	152.40
SC21	30A	30A-250V	H, K, R	7.60	193.04	6.00	152.40
SC61	30A	60A-250V	H, K, R	8.16	207.26	6.00	152.40
SC61	30A	30A-600V	H, K, J, R	7.60	193.04	6.00	152.40
ND	60A	Unfused	-	3.90	99.06	6.00	152.40
SD22	60A	Unfused	-	3.90	99.06	6.00	152.40
SD22	60A	60A-250V	H, K, R	8.16	207.26	6.00	152.40
SD62	60A	60A-600V	H, K, R	8.16	207.26	6.00	152.40
SD62	60A	60A-600V	J	7.79	197.87	6.00	152.40
NE	100A	Unfused	-	8.90	226.06	7.00	177.80
SE263	100A	100A-250V	H, K, R	8.90	226.06	7.00	177.80
SE263	100A	100A-600V	H, K, R	8.90	226.06	7.00	177.80
SE263	100A	100A-600V	J	8.90	226.06	7.00	177.80
NF	200A	Unfused	-	13.10	332.74	9.75	247.65
SF264	200A	200A-250V	H, K, R	13.10	332.74	9.75	247.65
SF64	200A	200A-600V	H, K, R	13.10	332.74	9.75	247.65
SF264	200A	200A-600V	J	13.10	332.74	9.75	247.65

For HS, SA Enclosures: Cutler-Hammer C361 Disconnect Switches (Fig. A pg. FMD 36) (Continued)								
Cutler-Hammer Part No.	HL=4.75 (120.6)		HL=7.094 (180.2)		HL=8.625 (219)		W (HS, SA) HL=11.6 (295)	
	inches	mm	inches	mm	inches	mm	inches	mm
NC	3.10	78.74	5.50	139.70	7.03	178.56	10.00	254.00
SC21	3.10	78.74	5.50	139.70	7.03	178.56	10.00	254.00
SC61	3.10	78.74	5.50	139.70	7.03	178.56	10.00	254.00
SC61	3.10	78.74	5.50	139.70	7.03	178.56	10.00	254.00
ND	3.10	78.74	5.50	139.70	7.03	178.56	10.00	254.00
SD22	3.10	78.74	5.50	139.70	7.03	178.56	10.00	254.00
SD22	3.10	78.74	5.50	139.70	7.03	178.56	10.00	254.00
SD62	3.10	78.74	5.50	139.70	7.03	178.56	10.00	254.00
SD62	3.10	78.74	5.50	139.70	7.03	178.56	10.00	254.00
NE	-	-	5.08	129.03	6.60	167.64	9.59	243.59
SE263	-	-	5.08	129.03	6.60	167.64	9.59	243.59
SE263	-	-	5.08	129.03	6.60	167.64	9.59	243.59
SE263	-	-	5.08	129.03	6.60	167.64	9.59	243.59
NF	-	-	-	-	-	-	6.67	169.42
SF264	-	-	-	-	-	-	6.67	169.42
SF264	-	-	-	-	-	-	6.67	169.42
SF264	-	-	-	-	-	-	6.67	169.42

Note:

1. For applications above 200A, please contact your local Rittal representative. 2. DH dimension includes the lowering mechanism.

For HS, SA Enclosures: Cutler-Hammer C371 Circuit Breaker Operator (Fig. A pg. FMD 36)							
Cutler-Hammer Part No.	Amp rating	Frame type	DH		DW		



NEMA 4/4X And NEMA 12 Wallmount Enclosures

For HS, SA Enclosures: Siemens ITE Max-Flex Operators for Disconnect Switches (Fig. A pg. FMD 40)											
Switch Part No.	Max-Flex variable depth Complete handle mechanism	Fixed depth Complete handle mechanism	Amp rating	Fuse kit	Fuse class	Panel space requirements					
						A		B		C	
						inches	mm	inches	mm	inches	mm
MCS603R MCS603L	FHOS06036R FHOS06036L	FDFS06R	30	No fuse	-	6.13	155.7	5.52	140.2	-	-
				30A, 250V	H, R	6.13	155.7	5.52	140.2	8.11	205.9
				30A, 600V	H, R	6.13	155.7	5.52	140.2	10.11	256.7
				30A, 600V	J	6.13	155.7	5.52	140.2	8.48	215.3
MCS606R MCS606L	FHOS06036R FHOS06036L	FDFS06R	60	No fuse	-	6.13	155.7	5.52	140.2	-	-
				60A, 250V	H, R	6.13	155.7	5.52	140.2	7.86	199.6
				60A, 600V	H, R	6.13	155.7	5.52	140.2	10.38	263.6
				60A, 600V	J	6.13	155.7	5.52	140.2	8.35	212
MCS610R MCS610L	FHOS06036R FHOS06036L	FDFS06R	100	No fuse	-	7.38	187.4	7.59	192.7	-	-
				100A, 250V	H, R	7.38	187.4	7.59	192.7	11.85	300.9
				100A, 600V	H, R	7.38	187.4	7.59	192.7	13.85	351.7
				100A, 600V	J	7.38	187.4	7.59	192.7	10.6	269.2
MCS620R MCS620L	FHOS20036R FHOS20036L	FDFS20R	200	No fuse	-	9.17	232.9	9.00	228.6	-	-
				200A, 250V	H, R	9.17	232.9	9.00	228.6	14.7	373.3
				200A, 600V	H, R	9.17	232.9	9.00	228.6	17.2	436.8
				200A, 600V	J	9.17	232.9	9.00	228.6	13.32	338.3

*To order Class R fuse kit, you must order Class H fuse kit and corresponding Class R fuse conversion kit.

*Max-Flex standard cable length is 36 inches. Alternate cable lengths are available by special order.

*Maximum length with Class H and R fuses.

For HS, SA Enclosures: Maximum “E” Dimension For ITE Max-Flex With Disconnect Switch (Fig. B pg. FMD 40)													
Switch Part No.	Cable Part No.	Enclosure depth											
		When E=8 (203.2)		When E=10 (254)		When E=12 (304.8)		When E=16 (406.4)		When E=18 (457.2)		When E=20 (508)	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
MCS603, MCS606, MCS610	FHOEC036	16.0	406	13.0	330	13.5	343	8.0	203	-	-	-	-
	FHOEC048	16	660.4	16	660.4	16	660.4	23	584.2	21	533.4	18	457.2
MCS620	FHOJC036	15	381	12.0	304	12.5	317	7.0	178	-	-	-	-
	FHOJC046	25	635	25	635	25	635	22	558.8	20	508	17	431.8

For HS, SA Enclosures: Maximum “E” Dimension For ITE Max-Flex With Disconnect Switch (Fig. B pg. FMD 40) (Continued)									
Enclosure depth		36" Cable				46" Cable			
		Fmin		Fmax		Fmin		Fmax	
inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
8	203.2	7	177.8	14.5	368.3	16.1	408.94	23.9	607.06
10	254	5.5	139.7	13.1	332.74	16	406.4	23.6	599.44
12	304.8	5	127	12	304.8	15.9	403.86	220.8	579.12
16	406.4	4	101.6	9.4	238.76	14.7	373.38	22	558.8
18	457.2	-	-	-	-	14.6	370.84	21.9	556.26
20	508	-	-	-	-	13.3	337.82	19.9	505.46
24	609.6	-	-	-	-	12	304.8	16.9	429.26

Maximum “E” dimension only if F=4.6 (116.8)

For HS, SA Enclosures: ITE Max-Flex Operators for Disconnect Switch (Fig. C, D pg. FMD 40)											
Switch Part No.	Handle Part No.	Dimensions — see fig. C, D									
		X1		X2		Y1		Y2		Z1*	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
MCS603, MCS606	FDFS06R	3.52	89.4	1.5	38.1	0.0	0.0	1.89	48	6.44	163.5
MCS610	FDFS06R	3.91	99.3	1.81	45.9	0.13	3.3	3.0	76.2	6.44	163.5
MCS620	FDFS06R	1.51	38.3	7.86	199.6	0.38	9.6	5.44	138.1	10.93	277.6

* Z1 is the distance between the disconnect mounting surface and MPL (mounting panel); compare with Usable Depth value from page 1. (mechanical adjustments required if Z1 and Usable Depth not equal)



NEMA 4/4X And NEMA 12 Wallmount Enclosures

Maximum “E” Dimension For ITE Max-Flex With Circuit Breaker (Fig. E pg. FMD 40)																	
Cable Part No.	Frame size	When enclosure depth=8 (203.2)		When enclosure depth=10 (254)		When enclosure depth=12 (304.8)		When enclosure depth=16 (406.4)		When enclosure depth=18 (457.2)		When enclosure depth=20 (508)		When enclosure depth=24 (609.6)		When enclosure depth=30 (762)	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
		E=	E=	E=	E=	E=	E=	E=	E=	E=	E=	E=	E=	E=	E=	E=	E=
FHOEC036	ED, HED, CED, EF	13.8	203.2	13.5	203.2	13	203.2	10.7	203.2	8.7	203.2	5.3	203.2	-	-	-	-
FHOEC036	FXD, FD, HFD, CFD, HFXD, FF	11.2	203.2	11	203.2	10.5	203.2	8.3	203.2	5.5	203.2	3.5	203.2	-	-	-	-

Maximum “E” dimension only if F=116.8 (4.6).

For HS, SA Enclosures: ITE Max-Flex Operators For Circuit Breakers			
Breaker Operator Catalog No.	Amp rating	Circuit breaker frame size	For use with breaker type(s)
FHOE036	125	ED, HED, EF (CE)	ED2, ED4, ED6, HED4, HED6, ED6, ETI, HHED6, EFC
FHOE036	125	CED, EF (CE)	CED6, CED6 ETI, EFF
FHOF036	250	FD, FXD, HFD, HFXD, FF (CE)	FXD6-A, FD6-A, HFD6, HFXD6, HHFD6, FD6 ETI, FFC, FFF
FHOF036	250	CFD	CFD6, CFD6 ETI

* For applications above 200A, please contact your local Rittal representative.

Circuit Breaker Mounting Dimensions														
Circuit Breaker Frame Size	Amp rating	See fig. E												
		A		B		C		D*		K		DH (normal)		Tap size
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	
ED, HED, EF, CED	125	1.0	25.4	5.0	127	0.65	16.5	6.33	160.7	-	-	6.81	172.9	#8-32
CED6, CED6-ETI	125	1.0	25.4	5.0	127	0.65	16.5	8.93	226.8	3.25	82.5	6.81	172.9	#8-32
FXD, FD, HFD, HFXD, FF	250	1.5	38.1	7.5	190.5	1.0	25.4	9.5	241.3	-	-	6.78	172.2	#1/4 20
CFD	250	1.5	38.1	7.5	190.5	1.0	25.4	14.25	361.9	4.6	117.4	6.78	172.2	#1/4 20

* For applications above 200A, please contact your local Rittal representative.

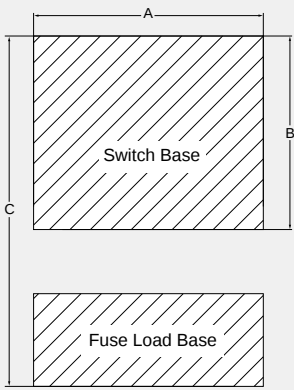


FIG. A

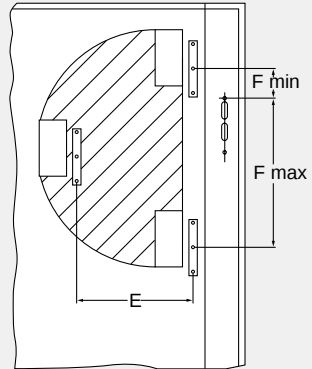


FIG. B

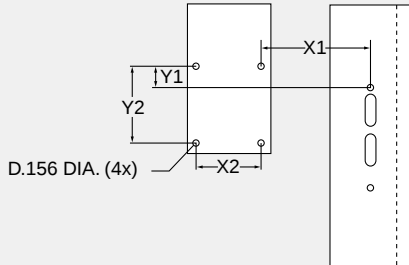


FIG. C

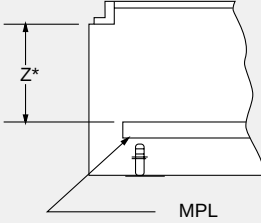


FIG. D

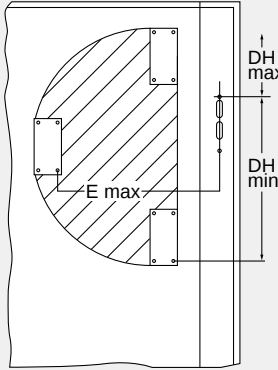


FIG. E

NEMA 12 Freestanding Enclosures (XM)

NEMA 12 Freestanding Carbon Steel Heavy Duty Single Door Disconnect Enclosures																									
Part No.	height/width/depth						Door size				Panel size				Usable depth		See figure A for illustration								
	inches			mm			inches		mm		inches		mm		inches	mm	inches					mm			
	A	B	C	A	B	C	J	K	J	K	E	F	E	F	C		CL	HL	H	PE	CL	HL	H	PE	
E 72XM3418WP	72	33.5	18	1828.8	850.9	457.2	62.5	29.83	1587.5	757.7	60	27.75	1524	704.9	18	457.2	-	9.125	3.875	2.5	-	231.8	98.4	63.5	
E 84XM4018WP	84	39.5	18	2133.6	1003.3	457.2	74.5	35.83	1892.3	910.1	72	33.75	1828.8	857.3	18	457.2	-	14.625	3.875	2.438	-	371.5	98.4	61.9	
E 84XM7818WP	84	77.75	18	2133.6	1892.3	457.2	74.5	35.83	1892.3	911.4	72	72	1828.8	1828.8	17	431.8	1.375	14.625	3.688	2.5	34.9	371.5	93.7	63.5	

NEMA 12 Floormount Enclosures (X)

NEMA 12 Floormount Carbon Steel Enclosures																	
Part No.	height/width/depth						Door size				Mounting Panel Part No.	Mounting panel size				Usable depth	
	inches			mm			inches		mm			inches		mm		inches	mm
	A	B	C	A	B	C	J	K	J	K		E	F	E	F	G	G
E 60X4912	60	49.38	12	1524.0	1254.3	304.8	58.5	21.88	1485.9	555.8	E 60P48	56	44	1422.4	1117.6	12	304.8
E 60X6112	60	61.38	12	1524.0	1559.1	304.8	58.5	27.88	1485.9	708.2	E 60P60	56	56	1422.4	1422.4	12	304.8
E 72X6112	72	61.38	12	1828.8	1559.1	304.8	70.5	27.88	1790.7	708.2	E 72P60	68	56	1727.2	1422.4	12	304.8
E 72X7312	72	73.38	12	1828.8	1863.9	304.8	70.5	33.88	1790.7	860.6	E 72P72	68	68	1727.2	1727.2	12	304.8
E 60X4918	60	49.38	18	1524.0	1254.3	457.2	58.5	21.88	1485.9	555.8	E 60P48	56	44	1422.4	1117.6	18	457.2
E 60X6118	60	61.38	18	1524.0	1559.1	457.2	58.5	27.88	1485.9	708.2	E 60P60	56	56	1422.4	1422.4	18	457.2
E 72X6118	72	61.38	18	1828.8	1559.1	457.2	70.5	27.88	1790.7	708.2	E 72P60	68	56	1727.2	1422.4	18	457.2
E 72X7318	72	73.38	18	1828.8	1863.9	457.2	70.5	33.88	1790.7	860.6	E 72P72	68	68	1727.2	1727.2	18	457.2

NEMA 12 Floormount Carbon Steel Enclosures (Continued)								
Part No.	See fig. A							
	inches				mm			
	CL	HL	H	PE	CL	HL	H	PE
E 60X4912	1.375	5.125	1.875	2.5	34.9	130.2	47.6	63.5
E 60X6112	1.375	5.125	1.875	2.5	34.9	130.2	47.6	63.5
E 72X6112	1.375	10.625	1.875	2.5	34.9	269.9	47.6	63.5
E 72X7312	1.375	10.625	1.875	2.5	34.9	269.9	47.6	63.5
E 60X4918	1.375	5.125	1.875	2.5	34.9	130.2	47.6	63.5
E 60X6118	1.375	5.125	1.875	2.5	34.9	130.2	47.6	63.5
E 72X6118	1.375	10.625	1.875	2.5	34.9	269.9	47.6	63.5
E 72X7318	1.375	10.625	1.875	2.5	34.9	269.9	47.6	63.5

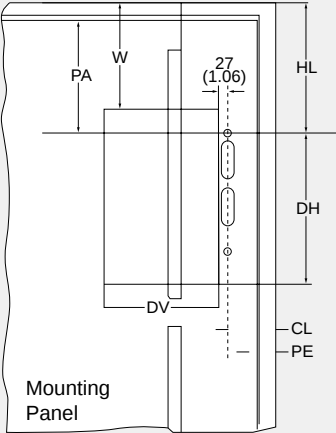


FIG. A

NEMA 12 Freestanding And Floormount Enclosures

For X, XM Enclosures: Allen-Bradley 1494V Disconnects/Circuit Breakers (Fig. A pg. FMD 41)																	
Allen Bradley Part No.	Amp rating	Fuse clip	Fuse class	DH		DW*		X HL=5.125 (130.2)		X HL=10.625 (269.8)		XM HL=9.125 (231.7)		XM HL=14.625 (371.4)		XM HL=17.594 (446.8)	
				inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W		
1494V-DS30	30A	Unfused	-	3.87	98.3	7.12	180.8	6.045	153.5	11.545	293.2	10.045	255.1	15.545	394.8	18.514	470.3
1494V-DS30	30A	30A-250V	H,K,R	5.19	131.8	7.12	180.8	6.045	153.5	11.545	293.2	10.045	255.1	15.545	394.8	18.514	470.3
1494V-DS30	30A	30A-600V	H,K,R	7.96	202.2	7.12	180.8	6.045	153.5	11.545	293.2	10.045	255.1	15.545	394.8	18.514	470.3
1494V-DS30	30A	30A-600V	J	5.19	131.8	7.12	180.8	6.045	153.5	11.545	293.2	10.045	255.1	15.545	394.8	18.514	470.3
1494V-DS30	30A	60A-250V	H,K,R	5.41	137.4	7.12	180.8	6.045	153.5	11.545	293.2	10.045	255.1	15.545	394.8	18.514	470.3
1494V-DS30	30A	60A-600V	H,K,R	8.47	215.1	7.12	180.8	6.045	153.5	11.545	293.2	10.045	255.1	15.545	394.8	18.514	470.3
1494V-DS30	30A	60A-600V	J	5.3	134.6	7.12	180.8	6.045	153.5	11.545	293.2	10.045	255.1	15.545	394.8	18.514	470.3
1494V-DS60	60A	Unfused	-	3.87	98.3	7.12	180.8	5.855	148.7	11.355	288.4	9.855	250.3	15.355	390	18.324	465.4
1494V-DS60	60A	60A-250V	H,K,R	5.41	137.4	7.12	180.8	5.855	148.7	11.355	288.4	9.855	250.3	15.355	390	18.324	465.4
1494V-DS60	60A	60A-600V	H,K,R	8.47	215.1	7.12	180.8	5.855	148.7	11.355	288.4	9.855	250.3	15.355	390	18.324	465.4
1494V-DS60	60A	60A-600V	J	5.3	134.6	7.12	180.8	5.855	148.7	11.355	288.4	9.855	250.3	15.355	390	18.324	465.4
1494V-DS60	60A	30A-600V	H,K,R	7.96	202.2	7.12	180.8	5.855	148.7	11.355	288.4	9.855	250.3	15.355	390	18.324	465.4
1494V-DS60	60A	100A-250V	H,K	8.86	225.0	7.12	180.8	5.855	148.7	11.355	288.4	9.855	250.3	15.355	390	18.324	465.4
1494V-DS60	60A	100A-600V	H,K	10.8	274.3	7.12	180.8	5.855	148.7	11.355	288.4	9.855	250.3	15.355	390	18.324	465.4
1494V-DS60	60A	100A-600V	J	7.6	193.0	7.12	180.8	5.855	148.7	11.355	288.4	9.855	250.3	15.355	390	18.324	465.4
1494V-DS100	100A	Unfused	-	3.8	96.5	7.12	180.8	5.685	144.4	11.185	284.1	9.685	246	15.185	385.7	18.154	461.1
1494V-DS100	100A	100A-250V	H,K,R	9.6	243.8	7.12	180.8	5.685	144.4	11.185	284.1	9.685	246	15.185	385.7	18.154	461.1
1494V-DS100	100A	100A-600V	H,K,R	11.6	294.6	7.12	180.8	5.685	144.4	11.185	284.1	9.685	246	15.185	385.7	18.154	461.1
1494V-DS100	100A	100A-600V	J	8.3	210.8	7.12	180.8	5.685	144.4	11.185	284.1	9.685	246	15.185	385.7	18.154	461.1
1494V-DS100	100A	200A-250V	H,K	12.4	315.0	7.12	180.8	5.685	144.4	11.185	284.1	9.685	246	15.185	385.7	18.154	461.1
1494V-DS100	100A	200A-600V	H,K	14.9	378.5	7.12	180.8	5.685	144.4	11.185	284.1	9.685	246	15.185	385.7	18.154	461.1
1494V-DS100	100A	200A-600V	J	11.03	280.2	7.12	180.8	5.685	144.4	11.185	284.1	9.685	246	15.185	385.7	18.154	461.1
1494V-DS200	200A	Unfused	-	4.6	116.8	8.4	213.4	-	-	9.835	249.8	8.335	211.7	13.835	351.4	16.804	462.8
1494V-DS200	200A	200A-250V	H,K,R	11.8	299.7	8.4	213.4	-	-	9.835	249.8	8.335	211.7	13.835	351.4	16.804	462.8
1494V-DS200	200A	200A-600V	H,K,R	14.3	363.2	8.4	213.4	-	-	9.835	249.8	8.335	211.7	13.835	351.4	16.804	462.8
1494V-DS200	200A	200A-600V	J	10.4	264.2	8.4	213.4	-	-	9.835	249.8	8.335	211.7	13.835	351.4	16.804	462.8
1494V-M40	150A	EHD, FD, FDB, FDC HFD, HMCP	-	5	127.0	4.125	104.8	7.035	178.7	12.535	318.4	11.035	280.3	16.535	420	19.504	495.4
1494V-M50	250A	JD, JDB JDC, HJD, HMCP	-	7.65	194.3	4.125	104.8	-	-	10.975	278.8	9.475	240.7	14.975	380.4	17.944	455.8
1494V-M60	400A	KD, KDB KDC, HKD HMCP	-	8.3	210.8	5.5	139.7	-	-	8.575	217.8	7.075	179.7	12.575	319.4	15.544	394.8

* Does not include space for optional auxiliary switch.

Note:

1. For applications above 200A, please contact your local Rittal representative.



NEMA 12 Freestanding And Floormount Enclosures

For X, XM Enclosures: Square D Class 9422 Disconnects/Circuit Breakers (Fig. A pg. FMD 41)																	
Square D Type 9422 Part No.	Amp rating	Fuse clip	Fuse class	DH		DW*		X HL=5.125 (130.2)		X HL=10.625 (269.8)		XM HL=9.125 (231.7)		XM HL=14.625 (3714)		XM HL=17.594 (446.8)	
				inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
								W	W	W	W	W	W	W	W	W	W
TCN30	30A	Unfused	-	3.8	96.5	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TCF33	30A	30A-250V	H,K,R	5.42	137.7	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TCF33	30A	30A-600V	H,K,R	8.05	204.5	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TCF33	30A	30A-600V	J	5.42	137.7	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TCF33	30A	60A-250V	H,K,R	6.05	153.7	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TDN60	60A	Unfused	-	3.8	96.5	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TDF60	60A	60A-250V	H,K,R	6.05	153.7	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TDF60	60A	30A-600V	H,K,R	8.05	204.5	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TDF63	60A	60A-600V	H,K,R	8.55	217.2	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TDF63	60A	60A-600V	J	5.42	137.7	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TEN10	100A	Unfused	-	3.8	96.5	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TEF10	100A	100A-250V	H,K,R	8.25	209.6	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TEF10	100A	100A-600V	H,K,R	10.25	260.4	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TEF10	100A	100A-600V	J	7.05	179.1	6.2	157.5	6.285	159.6	11.785	299.3	10.285	261.2	15.785	400.9	18.754	476.4
TF1	200A	Unfused	-	5.25	133.4	11.63	295.4	-	-	10.135	257.4	8.635	219.3	14.135	359	17.104	434.4
TF2	200A	200A-250V	H,K,R	11.2	284.5	11.63	295.4	-	-	10.135	257.4	8.635	219.3	14.135	359	17.104	434.4
TF2	200A	200A-600V	H,K,R	13.7	348.0	11.63	295.4	-	-	10.135	257.4	8.635	219.3	14.135	359	17.104	434.4
TF2	200A	200A-600V	J	9.83	249.7	11.63	295.4	-	-	10.135	257.4	8.635	219.3	14.135	359	17.104	434.4
TF3	200A	400A-600V	J	14.25	362.0	11.63	295.4	-	-	10.135	257.4	8.635	219.3	14.135	359	17.104	434.4
RG1	75,100A	GJL	Circuit breaker	4.72	119.9	3.54	89.9	6.785	172.3	12.385	314.6	10.885	276.5	16.385	416.2	19.354	491.6
RN1	100A	FAL, FHL	Circuit breaker	6	152.4	4.5	114.3	6.875	174.6	12.475	316.9	10.975	278.8	16.475	418.5	19.444	493.9
RP1	250A	KAL, KHL	Circuit breaker	8	203.2	4.5	114.3	6.875	174.6	12.475	316.9	10.975	278.8	16.475	418.5	19.44	493.9

* DW dimension without operating mechanism

Note:

1. For applications above 200A, please contact your local Rittal representative.

For X, XM Enclosures: General Electric STDA Disconnects (Fig. A pg. FMD 41)																	
GE Type STDA Part No.	Amp rating	Fuse clip	Fuse class	DH		DW		X HL=5.125 (130.2)		X HL=10.625 (269.8)		XM HL=9.125 (231.7)		XM HL=14.625 (371.4)		XM HL=17.594 (446.8)	
				inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
								W	W	W	W	W	W	W	W	W	W
TDOM1A	30A	Unfused	-	1.18	30.0	4.09	103.9	3.9075	99.3	9.445	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1A	30A	30A-250V	H, R	3	76.2	4.09	103.9	3.9075	99.3	9.445	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1B	30A	30A-600V	H, R	6	8.1	5.68	144.3	3.9075	99.3	9.445	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1B	30A	60A-250V	H, R	3	6.1	4.09	103.9	3.9075	99.3	9.445	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1B	30A	60A-600V	H, R	6	152.4	5.68	144.3	3.9075	99.3	9.445	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1A	60A	Unfused	-	1.18	30.0	4.09	103.9	3.9075	99.3	9.445	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1B	60A	60A-250V	H, R	4.4	111.8	5.68	144.3	3.9075	99.3	9.445	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1B	60A	60A-600V	H, R	6.9	175.3	5.87	149.1	3.9075	99.3	9.445	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1B	60A	100A-250V	H, R	4.4	111.8	5.68	144.3	3.9075	99.3	9.445	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1B	60A	100A-600V	H, R	6.9	175.3	5.87	149.1	3.9075	99.3	9.445	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1A	100A	Unfused	-	1.18	30.0	4.09	103.9	-	-	-	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1B	100A	100A-250V	H, R	5.8	147.3	6.18	157.0	-	-	-	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1B	100A	100A-600V	H, R	7.8	198.1	6.18	157.0	-	-	-	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1B	100A	200A-250V	H, R	11.6	294.6	6.18	157.0	-	-	-	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM1B	100A	200A-600V	H, R	16.1	408.9	6.18	157.0	-	-	-	239.9	7.9075	200.9	13.4075	340.6	16.3765	416
TDOM2	200A	Unfused	-	7.5	190.5	8.4	213.4	-	-	9.939	252.5	8.439	214.4	13.939	354.1	16.908	429.5
TDOM2	200A	200A-250V	H, R	13.5	342.9	8.4	213.4	-	-	9.939	252.5	8.439	214.4	13.939	354.1	16.908	429.5
TDOM2	200A	200A-600V	H, R	16	406.4	8.4	213.4	-	-	9.939	252.5	8.439	214.4	13.939	354.1	16.908	429.5

Note:

1. For applications above 200A, please contact your local Rittal representative.
2. W dimension is greater than the required wire bending space specified in article 430-10 NEC.

NEMA 12 Freestanding And Floormount Enclosures

For X, XM Enclosures: General Electric STDA Circuit Breakers (Fig. A pg. FMD 41)																	
GE Type STDA Part No.	Amp rating	Fuse clip	Fuse class	DH		DW		X HL=5.125 (130.2)		X HL=10.625 (269.8)		XM HL=9.125 (231.7)		XM HL=14.625 (371.4)		XM HL=17.594 (446.8)	
				inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
								W	W	W	W	W	W	W	W	W	W
TDOM1A	150A	TEB, TED, THED	-	3.96	100.6	4.1	104.1	-	-	11.251	285.8	9.751	247.7	15.251	387.4	18.22	462.8
TDOM1A	150A	TEC	-	3.96	100.6	4.1	104.1	-	-	11.251	285.8	9.751	247.7	15.251	387.4	18.22	462.8
TDOM1B	150A	TB1	-	7.96	202.18	4.1	104.1	-	-	11.251	285.8	9.751	247.7	15.251	387.4	18.22	462.8
TDOM1B	150A	TEC, TECL	-	5.84	148.33	4.1	104.1	-	-	11.251	285.8	9.751	247.7	15.251	387.4	18.22	462.8
TDOM1C	150A	TEL	-	3.96	100.6	4.1	104.1	-	-	11.251	285.8	9.751	247.7	15.251	387.4	18.22	462.8
TDOM1D	150A	THLC1	-	6.75	171.5	4.1	104.1	6.095	154.8	11.595	294.5	10.095	256.4	15.595	396.1	18.564	471.5
TDOM3	225A	TFJ	-	7.3	185.4	4.1	104.1	-	-	10.782	273.9	9.282	235.8	14.782	375.5	17.751	450.9
TDOM3	225A	TFK, THFK, TFL	-	7.3	185.4	4.1	104.1	-	-	10.782	273.9	9.282	235.8	14.782	375.5	17.751	450.9
TDOM3	225A	THLC2	-	4.8	121.9	5.7	144.8	-	-	7.001	177.8	-	-	11.004	279.4	13.97	254.8

For X, XM Enclosures: Cutler-Hammer C371 Circuit Breaker Operator (Fig. A pg. FMD 41)																
Cutler-Hammer Part No.	Amp rating	Frame type	DH		DW		X HL=5.125 (130.2)		X HL=10.625 (269.8)		XM HL=231.7 (9.125)		XM HL=371.4 (14.625)		XM HL=446.8 (17.594)	
			inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
							W	W	W	W	W	W	W	W	W	W
C371E	150A	Cutler Hammer FDB, FD, FDC, HFD, EHD	5.33	135.38	4.13	104.78	7.71	195.71	13.21	335.41	11.71	297.31	17.21	437.01	20.17	512.42
C371E	150A	Westinghouse F Frame/Series C	5.33	135.38	4.13	104.78	7.71	195.71	13.21	335.41	11.71	297.31	17.21	437.01	20.17	512.42
C371F	225A	Cutler Hammer HJD, JD, JDC	9.37	238	10	254	6.69	169.95	12.19	309.65	10.69	271.55	16.19	411.25	19.16	486.66
C371F	225A	Westinghouse F Frame/Series C	9.37	238	10	254	6.69	169.95	12.19	309.65	10.69	271.55	16.19	411.25	19.16	486.66



NEMA 12 Freestanding And Floormount Enclosures

For X, XM Enclosures: Siemens ITE Max-Flex Operators for Disconnect Switches (Fig. A pg. FMD 46)											
Switch Part No.	Max-Flex variable depth complete handle mechanism	Fixed depth complete handle mechanism	Amp rating	Fuse kit	Fuse class	Panel space requirements					
						A		B		C	
						inches	mm	inches	mm	inches	mm
MCS603R MCS603L	FHOS06036R FHOS06036L	FDFS06R	30	No fuse	-	6.13	155.7	5.52	140.2	-	-
				30A, 250V	H, R	6.13	155.7	5.52	140.2	8.11	205.9
				30A, 600V	H, R	6.13	155.7	5.52	140.2	10.11	256.7
				30A, 600V	J	6.13	155.7	5.52	140.2	8.48	215.3
MCS606R MCS606L	FHOS06036R FHOS06036L	FDFS06R	60	No fuse	-	6.13	155.7	5.52	140.2	-	-
				60A, 250V	H, R	6.13	155.7	5.52	140.2	7.86	199.6
				60A, 600V	H, R	6.13	155.7	5.52	140.2	10.38	263.6
				60A, 600V	J	6.13	155.7	5.52	140.2	8.35	212
MCS610R MCS610L	FHOS06036R FHOS06036L	FDFS06R	100	No fuse	-	7.38	187.4	7.59	192.7	-	-
				100A, 250V	H, R	7.38	187.4	7.59	192.7	11.85	300.9
				100A, 600V	H, R	7.38	187.4	7.59	192.7	13.85	351.7
				100A, 600V	J	7.38	187.4	7.59	192.7	10.6	269.2
MCS620R MCS620L	FHOS20036R FHOS20036L	FDFS20R	200	No fuse	-	9.17	232.9	9.00	228.6	-	-
				200A, 250V	H, R	9.17	232.9	9.00	228.6	14.7	373.3
				200A, 600V	H, R	9.17	232.9	9.00	228.6	17.2	436.8
				200A, 600V	J	9.17	232.9	9.00	228.6	13.32	338.3

*To order Class R fuse kit, you must order Class H fuse kit and corresponding Class R fuse conversion kit.
*Max-Flex standard cable length is 36 inches. Alternate cable lengths are available by special order.
*Maximum length with Class H and R fuses.

For X, XM Enclosures: Maximum “E” Dimension For ITE Max-Flex With Disconnect Switch (Fig. B pg. FMD 46)													
Switch Part No.	Cable Part No.	Enclosure depth											
		When E=8 (203.2)		When E=10 (254)		When E=12 (304.8)		When E=16 (406.4)		When E=18 (457.2)		When E=20 (508)	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
MCS603, MCS606, MCS610	FHOEC036	16.0	406	13.0	330	13.5	343	8.0	203	-	-	-	-
	FHOEC048	16	660.4	16	660.4	16	660.4	23	584.2	21	533.4	18	457.2
MCS620	FHOJC036	15	381	12.0	304	12.5	317	7.0	178	-	-	-	-
	FHOJC046	25	635	25	635	25	635	22	558.8	20	508	17	431.8

For X, XM Enclosures: Maximum “E” Dimension For ITE Max-Flex With Disconnect Switch (Fig. B pg. FMD 46) (Continued)									
Enclosure depth		36" Cable				46" Cable			
		Fmin		Fmax		Fmin		Fmax	
inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
8	203.2	7	177.8	14.5	368.3	16.1	408.94	23.9	607.06
10	254	5.5	139.7	13.1	332.74	16	406.4	23.6	599.44
12	304.8	5	127	12	304.8	15.9	403.86	220.8	579.12
16	406.4	4	101.6	9.4	238.76	14.7	373.38	22	558.8
18	457.2	-	-	-	-	14.6	370.84	21.9	556.26
20	508	-	-	-	-	13.3	337.82	19.9	505.46
24	609.6	-	-	-	-	12	304.8	16.9	429.26

Maximum “E” dimension only if F=4.6 (116.8)

For X, XM Enclosures: ITE Max-Flex Operators for Disconnect Switch (Fig. C, D pg. FMD 46)											
Switch Part No.	Handle Part No.	Dimensions — see fig. C, D									
		X1		X2		Y1		Y2		Z1*	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
MCS603, MCS606	FDFS06R	3.52	89.4	1.5	38.1	0.0	0.0	1.89	48	6.44	163.5
MCS610	FDFS06R	3.91	99.3	1.81	45.9	0.13	3.3	3.0	76.2	6.44	163.5
MCS620	FDFS06R	1.51	38.3	7.86	199.6	0.38	9.6	5.44	138.1	10.93	277.6

* Z1 is the distance between the disconnect mounting surface and MPL (mounting panel); compare with Usable Depth value from page 1.
(mechanical adjustments required if Z1 and Usable Depth not equal)



NEMA 12 Freestanding And Floormount Enclosures

Maximum “E” Dimension For ITE Max-Flex With Circuit Breaker (Fig. E pg. FMD 46)																	
Cable Part No.	Frame size	When enclosure depth=8 (203.2)		When enclosure depth=10 (254)		When enclosure depth=12 (304.8)		When enclosure depth=16 (406.4)		When enclosure depth=18 (457.2)		When enclosure depth=20 (508)		When enclosure depth=24 (609.6)		When enclosure depth=30 (762)	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
		E=	E=	E=	E=	E=	E=	E=	E=	E=	E=	E=	E=	E=	E=	E=	E=
FHOEC036	ED, HED, CED, EF	13.8	203.2	13.5	203.2	13	203.2	10.7	203.2	8.7	203.2	5.3	203.2	-	-	-	-
FHOEC036	FXD, FD, HFD, CFD, HFXD, FF,	11.2	203.2	11	203.2	10.5	203.2	8.3	203.2	5.5	203.2	3.5	203.2	-	-	-	-

Maximum “E” dimension only if F=116.8 (4.6).

For X, XM Enclosures: ITE Max-Flex Operators For Circuit Breakers			
Breaker Operator Catalog No.	Amp rating	Circuit breaker frame size	For use with breaker type(s)
FHOE036	125	ED, HED, EF (CE)	ED2, ED4, ED6, HED4, HED6, ED6, ETI, HHED6, EFC
FHOE036	125	CED, EF (CE)	CED6, CED6 ETI, EFF
FHOF036	250	FD, FXD, HFD, HFXD, FF (CE)	FXD6-A, FD6-A, HFD6, HFXD6, HHFD6, FD6 ETI, FFC, FFF
FHOF036	250	CFD	CFD6, CFD6 ETI

* For applications above 200A, please contact your local Rittal representative.

Circuit Breaker Mounting Dimensions (Fig. E pg. FMD 46)														
Circuit Breaker Frame Size	Amp rating	A		B		C		D*		K		DH (normal)		Tap size
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	
ED, HED, EF, CED	125	1.0	25.4	5.0	127	0.65	16.5	6.33	160.7	-	-	6.81	172.9	#8-32
CED6, CED6-ETI	125	1.0	25.4	5.0	127	0.65	16.5	8.93	226.8	3.25	82.5	6.81	172.9	#8-32
FXD, FD, HFD, HFXD, FF	250	1.5	38.1	7.5	190.5	1.0	25.4	9.5	241.3	-	-	6.78	172.2	#1/4 20
CFD	250	1.5	38.1	7.5	190.5	1.0	25.4	14.25	361.9	4.6	117.4	6.78	172.2	#1/4 20

* For applications above 200A, please contact your local Rittal representative.

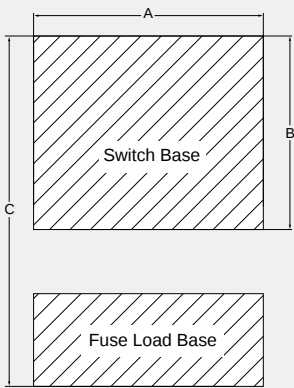


FIG. A

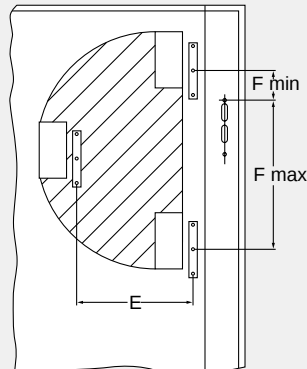


FIG. B

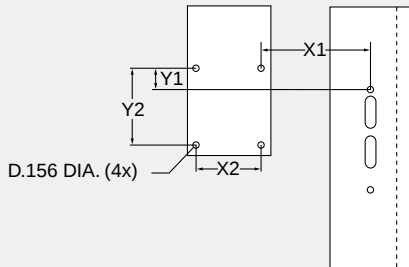


FIG. C

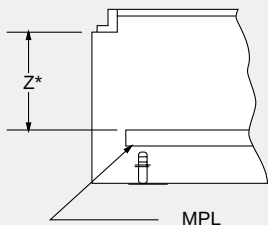


FIG. D

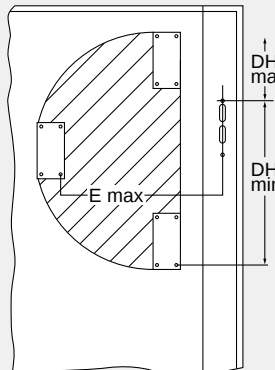
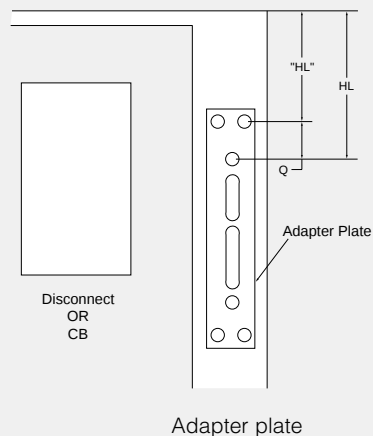


FIG. E

Adapter Plate											
Part No.		EAKAB	EAKAB (200A)	EAKITE (1 Slot)	EAKITE (2 Slot)	EAKCHV	EAKWHAMT	EAKSD	EAKABV (1 Slot)	EADABV (2 Slot)	EADKETDA Spring Mount
Q-left	inches	1.07	0.59	2.13	2.50	2.51	1.27	2.41	2.64	2.51	2.51
	mm	27.18	14.99	54.10	63.50	63.75	32.26	61.21	67.06	63.75	63.75
Q-right	inches	1.07	0.62	-	2.75	2.66	3.96	2.76	1.02	2.66	2.97
	mm	127.18	15.75	-	69.85	67.56	100.58	70.10	25.91	67.56	75.44
Part No.		EAKABCHR	EAKABCHR (200A)	EAKWHAMTCHR	EAKSDCHR	EAKGETDACHR	EAKITECHR (1 Slot)	EAKITECHR (2 Slot)	EAKCHVCHR	EAKABVCHR (1 Slot)	EAKABVCHR (2 Slot)
Q-left	inches	0.69	0.59	1.27	2.41	2.51	2.13	2.50	2.51	2.64	2.51
	mm	17.53	14.99	32.26	61.21	63.75	54.10	63.50	63.75	67.06	63.75
Q-right	inches	1.07	0.62	3.96	2.76	2.97	-	2.75	2.66	1.02	2.66
	mm	27.18	15.75	100.58	70.10	75.44	-	69.85	67.56	25.91	67.56



Disconnect Ordering Information

Allen-Bradley

Using 1494V disconnect switch, order:

- * 1. A disconnect switch (fusible or non-fusible).
- 2. An operating handle.
- 3. A connecting rod.
- 4. A trailer fuse block kit (if required).
- 5. A fuse clip kit (if required).

Using 1494V circuit breaker operating mechanism, order:

- 1. A circuit breaker (General Electric or Westinghouse).
- 2. A circuit breaker operating mechanism.
- 3. An operating handle.
- 4. A connecting rod.
- 5. Accessories (if required).

General Electric

Using a disconnect switch, order:

- * 1. A disconnect switch (QMR/QMW).
- * 2. A fuse clip kit or no-fuse kit.
- * 3. A flange handle (STDA1).
- * 4. A variable depth operating mechanism.
- 5. An extended length drive rod (if required).
- 6. Accessories (if required).

Using a circuit breaker, order:

- 1. A circuit breaker.
- 2. A flange handle (STDA1).
- 3. A variable depth operating mechanism.

* These are available as a disconnect switch assembly from General Electric.

Cutler-Hammer

Using C361 disconnect switch, order:

- * 1. A disconnect switch with an operating mechanism.
- * 2. An operating handle

Using C371 circuit breaker, order:

- 1. A circuit breaker (Cutler-Hammer or Westinghouse).
- * 2. An operating mechanism.
- * 3. An operating handle.

* These are available as an assembly from Cutler-Hammer

Square D

Using a disconnect switch, order:

- 1. A disconnect switch with operating mechanism.
- 2. An universal handle mechanism.
- 3. An operating rod (if required).

Using a circuit breaker, order:

- 1. A circuit breaker
- 2. An operating mechanism.
- 3. An universal handle mechanism.
- 4. An operating rod (if required).

ITE

Using flange-mounted operating mechanisms and circuit breakers, order:

- 1. A circuit breaker
- 2. Pressure wire connectors.
- * 3. A flange-mounted handle.
- * 4. A circuit breaker operator mechanism.
- * 5. An operating cable.

* Available from ITE as a complete mechanism with 914 mm (36") cable only. Order separate different cable lengths.