

Modular Meter Centres

Selection Procedure

Selection

1. Select one service entrance safety switch, reference p.2/5.
2. Select required Tap Box or Main Lug Feed Kit with or without a Transition Box.
3. Select type and quantity of slide-in Meter Socket Modules.
4. Select Main Bus Connector Kits to join each stack.
5. Select quantity of Blank Filler Plates as per left over empty space.

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Examples - Typical 600A Main Service 120/240V 1Ø 3W c/w 16 x 100A and 1 x 200 sub-service breakers					
Option 1 c/w Tap Box & Bolt-on Breakers			Option 2 c/w Transition Box & Plug-in Breakers		
QTY	Catalogue Number	Description	QTY	Catalogue Number	Description
1	ID226 or HFC226N	Safety switch 600A 2p 240V	1	ID226 or HFC226N	Safety switch 600A 2p 240V
1	MLTB1-600	Standard Tap Box 600A	1	MTB-600	Transition Box 600A
4	MMS4-125	Meter socket module 125A 4 jaws	1	MLFK1	Main lug kit
1	MMS4-200QJ	Meter socket module 200A 4 jaws QJ	4	MMS4-125	Meter socket module 125A 4 jaws
2	MMC14-6125	Complete stack	1	MMS4-200	Meter socket module 200A 4 jaws
1	MMC1	Basic stack	2	MMC14-6125	Complete stack
2	MBSS1-600	Main bus connector kit	1	MMC1	Basic stack
1	MBHP-2	Blank filler plates	2	MBSS1-600	Main bus connector kit
16	BQ2B100	100A Bolt-on breaker	1	MBHP-2	Blank filler plates
1	QJ2B200	200A Bolt-on breaker	16	Q2100	100A Plug-in breaker
1	MTRK-64	Wall mounting rail	1	EQ9685	200A Plug-in breaker
			1	MTRK-64	Wall mounting rail

Reference Chart: Number of Blank Filler Plate Kits Required

Refer to this chart to calculate how many Blank Filler Plate Kits are needed in a meter stack after the quantity of Meter Socket Module is determined.			
Catalogue Number	Description	Height in modules (1 module = 8 ⁷ / ₈ " = 125 mm)	Qty of kits #MBHP-2 (2 plates/kit)
MMC1 & MMC3	Basic meter stack	6 modules	6
MMS4-125	Meter socket module 125A 4 jaws	1 module	1
MMS5-125	Meter socket module 125A 5 jaws	1 module	1
MMS4-200	Meter socket module 200A 4 jaws	1.5 modules	2
MMS5-200	Meter socket module 200A 5 jaws	1.5 modules	2
MMS4-200QJ	Meter socket module 200A 4 jaws QJ	1.5 modules	2
MMS5-200QJ	Meter socket module 200A 5 jaws QJ	1.5 modules	2
MMS7-100	Meter socket module 100A 7 jaws	1.5 modules	2
MMS7-200	Meter socket module 200A 7 jaws	3 modules	3

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Safety Switch, Tap Box and Main Lug Feed Kit

Selection

Service Entrance Module^①

System	Ampere Rating	Catalogue Number	Cable lug size per phase - suitable for Al. and Cu.	Dimensions - Inches (mm)			Weight - lbs.(kg)
				H	W	D	
120/240 1Ø 3W	400	ID225	Line, Load: (1) 1/0 AWG - 750 Kcmil or (2) 1/0 AWG - 250 Kcmil	40 (1016)	18 ^{1/2} (470)	12 ^{1/16} (306)	78 (35.4)
	600	ID226	Neutral: (1) 1/0 AWG - 750 Kcmil or (2) 1/0 AWG - 250 Kcmil	48 (1219)	21 ^{1/2} (546)	12 ^{1/16} (306)	92 (41.7)
	800	HFC227N	Line, Load: (1) 1/0 AWG - 750 Kcmil Neutral: (2) 1/0 AWG - 750 Kcmil	67 ^{3/16} (1706)	39 ^{15/16} (1015)	9 ^{1/4} (235)	365 (65.6)
	1200	HFC228N	Line, Load: (2) 1/0 AWG - 750 Kcmil Neutral: (2) 1/0 AWG - 750 Kcmil	67 ^{3/16} (1706)	39 ^{15/16} (1015)	9 ^{1/4} (235)	385 (174.6)
120/208 3Ø 4W	400	ID425	Line, Load: (1) 1/0 AWG - 750 Kcmil or (2) 1/0 AWG - 250 Kcmil	40 (1016)	18 ^{1/2} (470)	12 ^{1/16} (306)	92 (41.7)
	600	ID426	Neutral: (1) 1/0 AWG - 750 Kcmil or (2) 1/0 AWG - 250 Kcmil	48 (1219)	21 ^{1/2} (546)	12 ^{1/16} (306)	108 (49)
	800	HFC367N	Line, Load: (1) 1/0 AWG - 750 Kcmil Neutral: (2) 1/0 AWG - 750 Kcmil	67 ^{3/16} (1706)	39 ^{15/16} (1015)	9 ^{1/4} (235)	375 (170.1)
	1200	HFC368N	Line, Load: (2) 1/0 AWG - 750 Kcmil Neutral: (2) 1/0 AWG - 750 Kcmil	67 ^{3/16} (1706)	39 ^{15/16} (1015)	9 ^{1/4} (235)	395 (179.1)

Standard Tap Boxes^② - connector included

System	Ampere Rating	Catalogue Number	Cable lug size per phase - suitable for Al. and Cu cables	Dimensions - Inches (mm)			Weight - lbs.(kg) ^⑤
				H	W	D	
120/240 1Ø 3W	400/600	MLTB1-600	(3) #2 AWG - 600 Kcmil or (4) 1/0 AWG - 750 Kcmil	25 ^{3/4} (655)	20 ^{1/2} (521)	7 ^{1/4} (184)	40 (18.2)
	800/1200	MLTB1-1200 ^③	(3) #2 AWG - 600 Kcmil or (4) 1/0 AWG - 750 Kcmil	25 ^{3/4} (655)	20 ^{1/2} (521)	7 ^{1/4} (184)	45 (20.5)
120/208 3Ø 4W	400/600	MLTB3-600	(3) #2 AWG - 600 Kcmil or (4) 1/0 AWG - 750 Kcmil	25 ^{3/4} (655)	20 ^{1/2} (521)	7 ^{1/4} (184)	40 (18.2)
	800/1200	MLTB3-1200 ^③	(3) #2 AWG - 600 Kcmil or (4) 1/0 AWG - 750 Kcmil	25 ^{3/4} (655)	20 ^{1/2} (521)	7 ^{1/4} (184)	45 (20.5)

Feed Through Tap Boxes^{②⑤} - Use with even number of meter stacks only

120/240 1Ø 3W	400/600	MLTB1-600FT	(4) 250 Kcmil - 750 Kcmil or (8) 3/0 AWG - 250 Kcmil	25 ^{3/4} (655)	20 ^{1/2} (521)	7 ^{1/4} (184)	45 (20.5)
	800/1200	MLTB1-1200FT ^⑥	(4) 250 Kcmil - 750 Kcmil or (8) 3/0 AWG - 250 Kcmil	46 ^{1/4} (1175)	24 (610)	7 ^{1/4} (184)	60 (27.3)
120/208 3Ø 4W	400/600	MLTB3-600FT	(4) 250 Kcmil - 750 Kcmil or (8) 3/0 AWG - 250 Kcmil	25 ^{3/4} (655)	20 ^{1/2} (521)	7 ^{1/4} (184)	45 (20.5)
	800/1200	MLTB3-1200FT ^⑥	(4) 250 Kcmil - 750 Kcmil or (8) 3/0 AWG - 250 Kcmil	46 ^{1/4} (1175)	24 (610)	7 ^{1/4} (184)	60 (27.3)

Main Lug Feed Kit - For direct tap (no tap box) from safety switch to metering stack

System	Ampere Rating	Catalogue Number	Cable lug size per phase - suitable for Al. and Cu cables	Use with Meter Module Type	Weight - lbs.(kg)
120/240 1Ø 3W	400/600	MLFK1	(2) 1/0 AWG - 750 Kcmil or (4) 1/0 AWG - 250 Kcmil	MMC1 MMC14-6125	2 ^{1/2} (1.1)
120/208 3Ø 4W	400/600	MLFK3	(2) 1/0 AWG - 750 Kcmil or (4) 1/0 AWG - 250Kcmil	MMC3 MM35-6125	3 (1.3)

Transition Box - Allows more working space to connect on Main Lug Feed Kit

System	Ampere Rating	Catalogue Number	Dimensions - Inches (mm)			Weight - lbs.(kg)
			H	W	D	
120/240 1Ø 3W	400/600	MTB-600	25 ^{3/4} (655)	20 ^{1/2} (521)	7 ^{1/4} (184)	30 (13.7)
120/208 3Ø 4W						

① Fusible switch can be mounted directly next to metering stack with a Standard Tap Box or with a Main Lug Feed Kit (with or without Transition Box).

② Tap Box mounts directly next to the Meter Stack and is required to accommodate incoming main service cable, unless Main Lug Feed Kit is used. Suitable for left and right side entry.

③ Can be used with even and odd number of metering stacks. In addition, for odd number of stack connections, adaptor kit #MTBK12 must be used.

④ Weight is based on 3Ø 4W system (Heaviest pcs).

⑤ Feed through tap boxes are required when the main incoming cables enter and exit at the same end of line up.

⑥ Module comes factory assembled for left hand side entry. For right hand side entry, bus bars and insulated supports must be moved at the other hole set, marked with an "R", before wall installation.

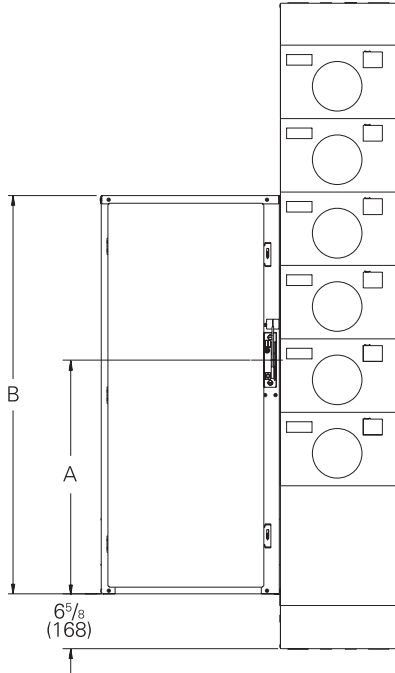
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Configuration Data

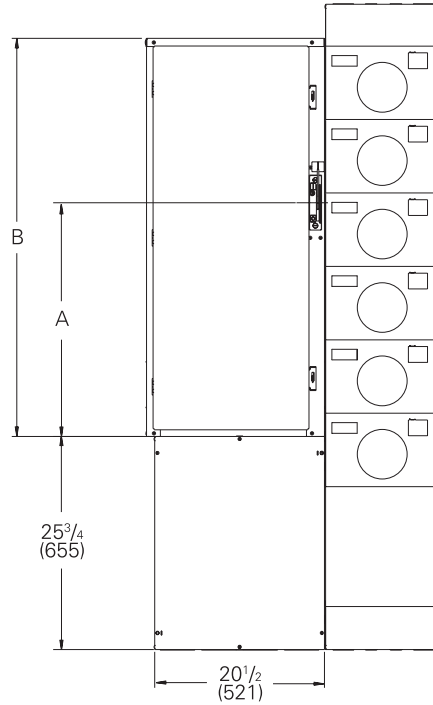
Selection

Configurations with switch

With Switch

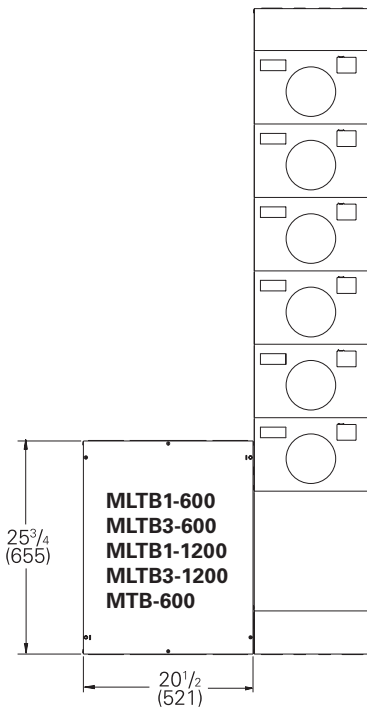


With Transition Box and Switch



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Configurations with Standard Tap Box or Transition Box



Standard Tap Box connections

