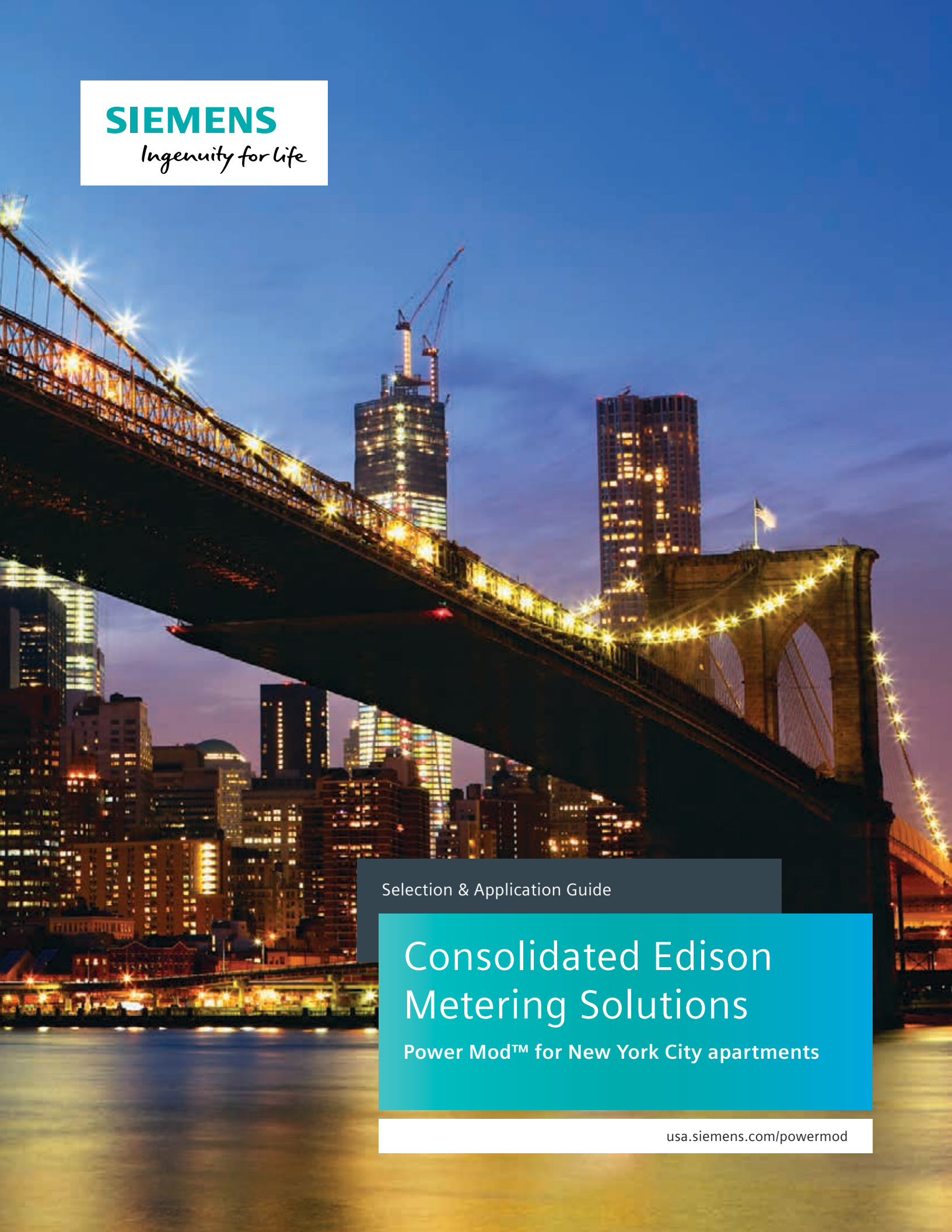


SIEMENS

Ingenuity for life

Selection & Application Guide

Consolidated Edison Metering Solutions

Power Mod™ for New York City apartments

usa.siemens.com/powermod

Power Mod™ for Consolidated Edison



Basic Installation | Volt Stream Video Series

Power Mod™ Advanced Installation | Volt Stream Video Series

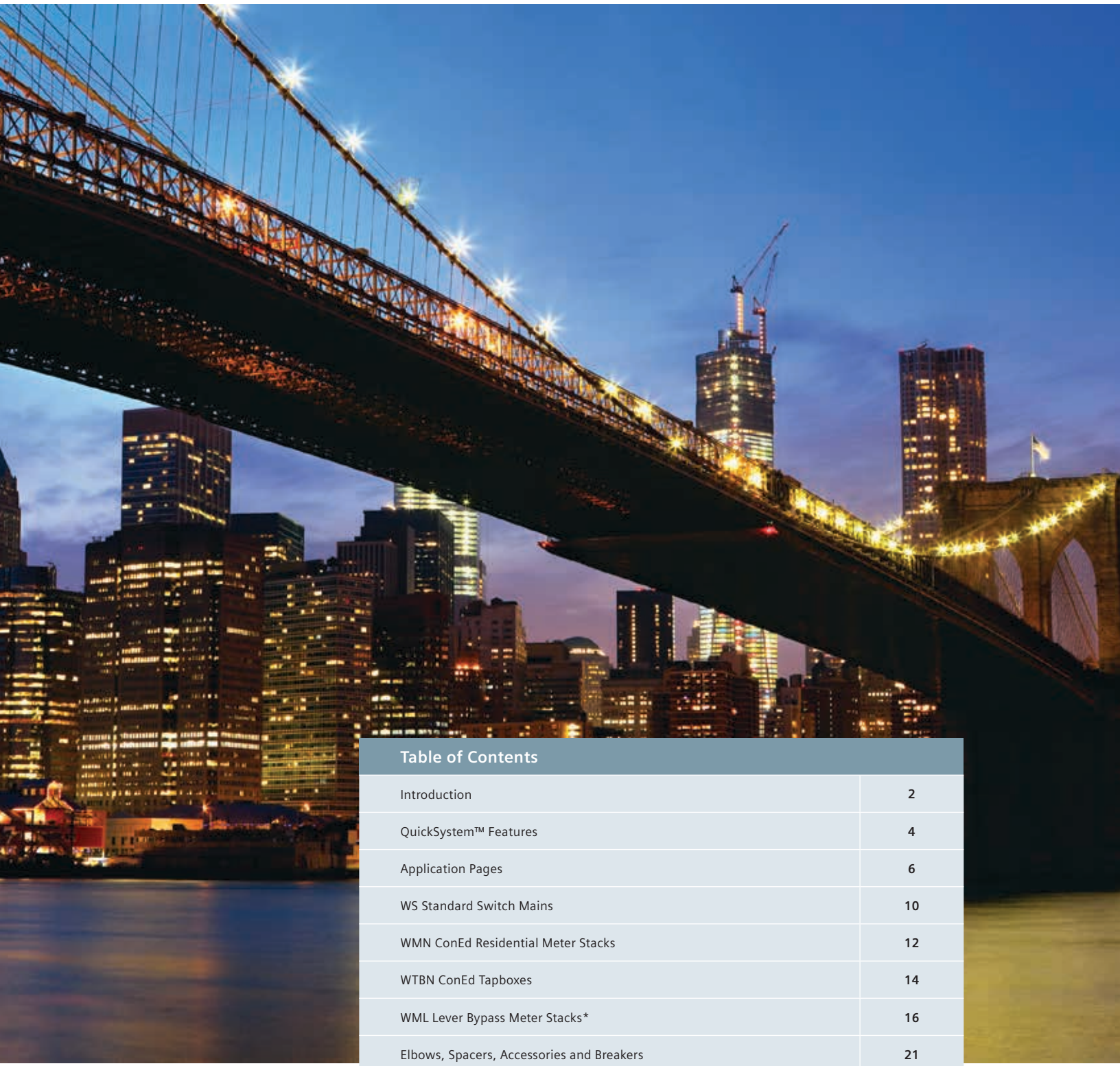


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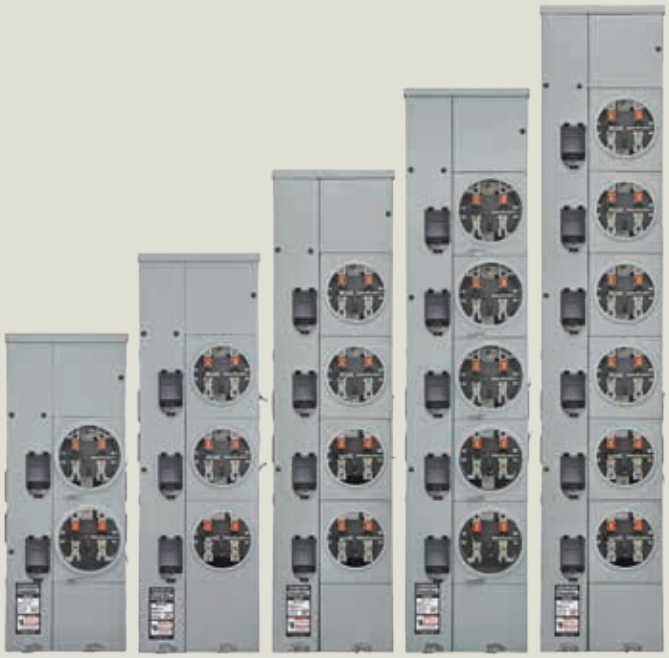
***Note: Some products may be pending approval, please check with sales office before ordering.**

Power Mod™ for Consolidated Edison

Introduction

Siemens is proud to introduce our feature-rich Power Mod line of multi-family metering products to the Consolidated Edison service area. Power Mod features the QuickSystem- a unique combination of labor saving features design to aid the contractor while installing the product. QuickSystem encompasses every step of installation- the 5 key features were specifically engineered to decrease installation time.

The Consolidated Edison-approved line of Power Mod features 125 and 225amp WMN meter stacks. In addition Siemens is proud to introduce 400,600,800,&1200amp WTBN tap boxes which allows for easy overhead or underground installation. Both WTBN and WMN have been designed with the same depth to help limit the need for spacers. Power Mod's thru bussing is rated at a robust 1200amps. The WMN meter stacks and WTBN tap boxes have all been tested to Consolidated Edison UL, Siemens, and ANSI standards. In the following pages we invite you to discover more about the QuickSystem features and Siemens new Consolidated Edison-approved line of Power Mod metering.





Power Mod™ for Consolidated Edison

QuickSystem™ Features

Contractor-focused features, robust quality, dependable service, and exclusive products define Siemens Power Mod. The new standard in multi family metering. QuickSystem showcases the key strengths of Power Mod through five labor saving features:



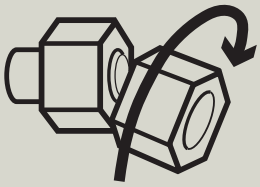
QuickRoll™

A Siemens exclusive feature, QuickRoll eliminates typical metal brackets for mounting modules on the wall. Instead of metal scraping metal, QuickRoll allows the module to glide down the mounting rail via a durable nylon wheel inside a mounting bracket.



QuickConnect™

A Siemens exclusive feature, QuickConnect reduces bussing connections from many to one - ensuring a single reliable connection instead of multiple connections.



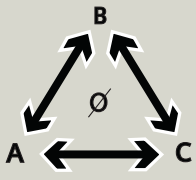
QuickTorque™

QuickTorque eliminates the need for time consuming torque readings. This breakaway nut provides a visual indicator of torque for the QuickConnect. When tightened, the outer head twists off at the proper torque for connection, leaving a single nut for future maintenance.



QuickBolt™

A Siemens exclusive feature, QuickBolt eliminates the requirement to line up mechanical connections - instead bolts remain retracted until the openings line up- allowing the bolts to protrude through automatically. Springs push the bolts through and provide positive pressure to keep bolts in place while wingnuts are attached and tightened.



QuickPhase™

Each individual meter position can be phased independently according to the users needs. QuickPhase allows the user the ultimate flexibility to adjust to each individual application. Some exclusions apply.

Power Mod™ for Consolidated Edison

QuickSystem™ Features



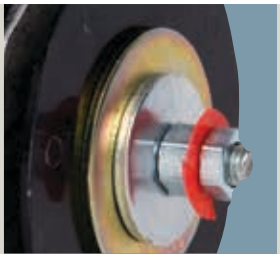
Siemens exclusive feature

QuickRoll™



Siemens exclusive feature

QuickConnect™



QuickTorque™

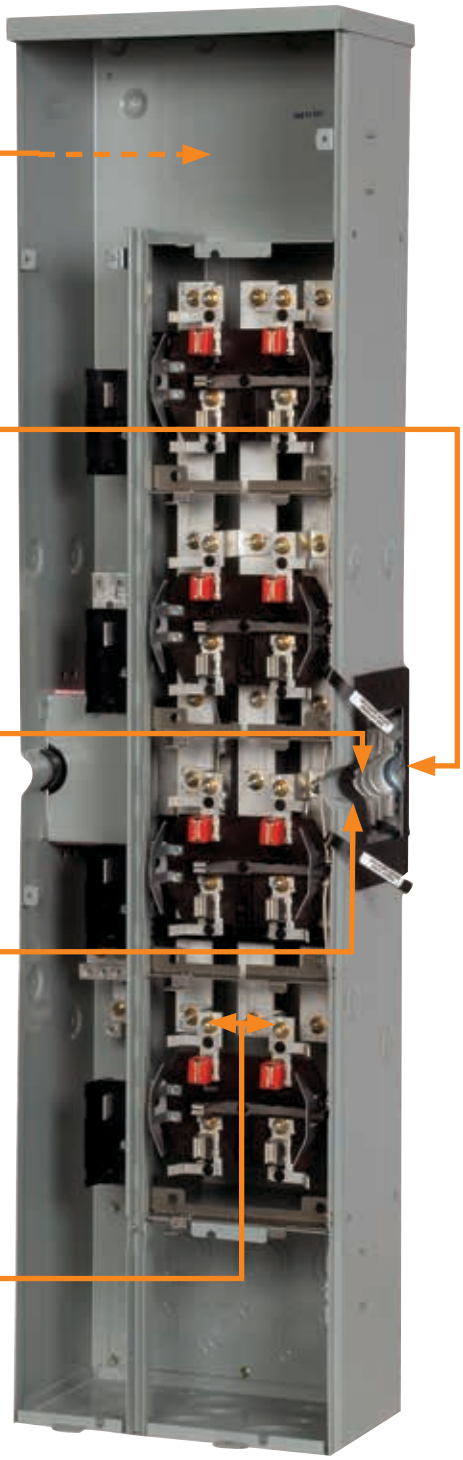


Siemens exclusive feature

QuickBolt™

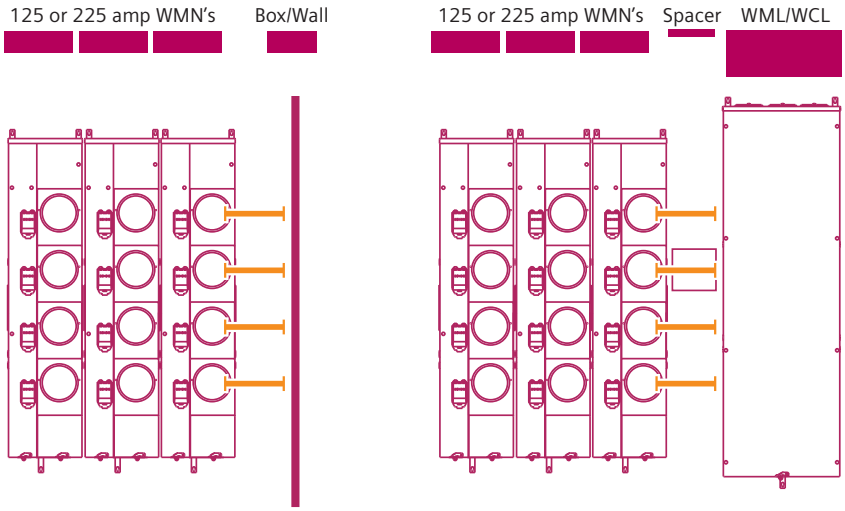


QuickPhase™

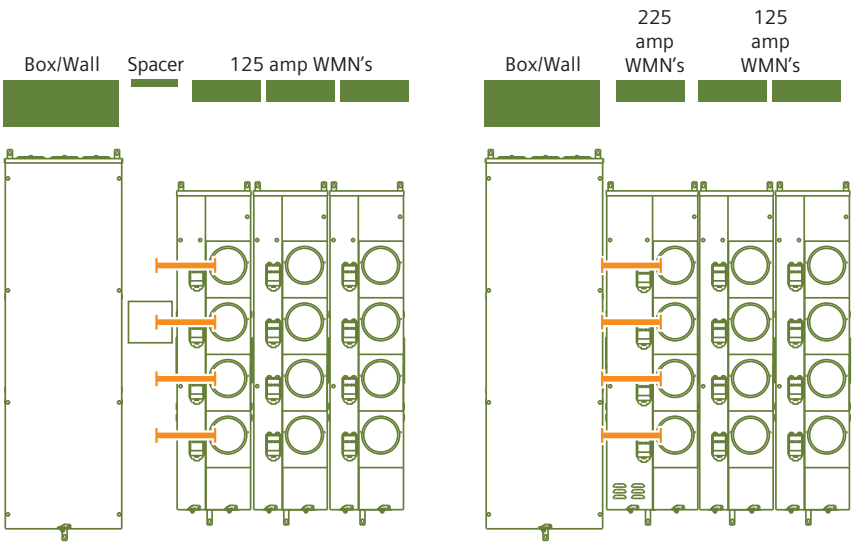


Power Mod™ for Consolidated Edison

Application Page - Consolidated Edison requires a 6" clearance around each meter.



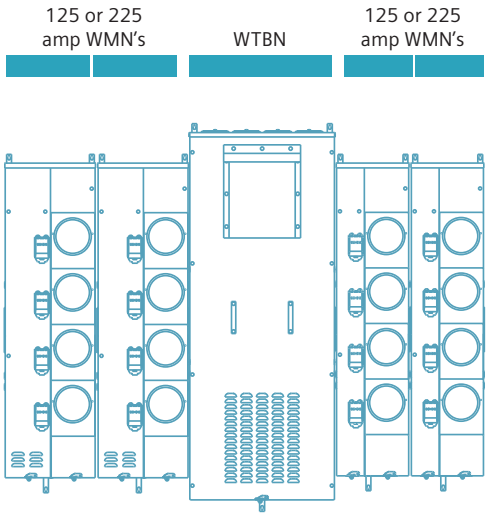
If a Power Mod module is installed to the right of the WMN meter stacks that has a depth greater than 8" then a WSP spacer must be used to maintain the 6" clearance. If the last WMN meter stack on the right of a line-up is installed in a corner (IE next to an adjacent wall) then the installer must leave 6" of space from the edge of the meter to the adjacent wall to maintain proper clearance.



If a Power Mod module is installed to the left of a 225amp WMN meter stack then NO additional clearances are required.

If a Power Mod module is installed to the left of a 125amp WMN meter stack that has a depth greater than 8" then a WSP spacer must be installed to maintain the required clearances around the meter.

If the application needs only 125amps per position and a Power Mod module is installed to the left that is greater than 8" Siemens recommends utilizing a 225amp WMN meter stack with 125amp breakers installed (see page 22 for breaker interchangeability) so the use of a spacer can be averted.



The Power Mod WTBN tap box has been designed to avoid the use of a spacer in the common application of using a tap box for connecting power to the line-up. This family of tap boxes was designed to match the depth of the WMN meter stacks (IE depth does not exceed 8"). The use of the WTBN family alleviates the concern of clearances around tap boxes & WMN meter stacks; however the installer should still follow the rules above when WMN meter stacks are installed next to walls, WML meter stacks, WCL house power modules, or any other Power Mod family with depths greater than 8".

Power Mod™ for Consolidated Edison

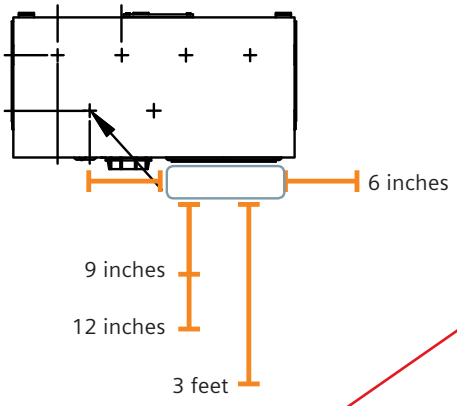
Application Page

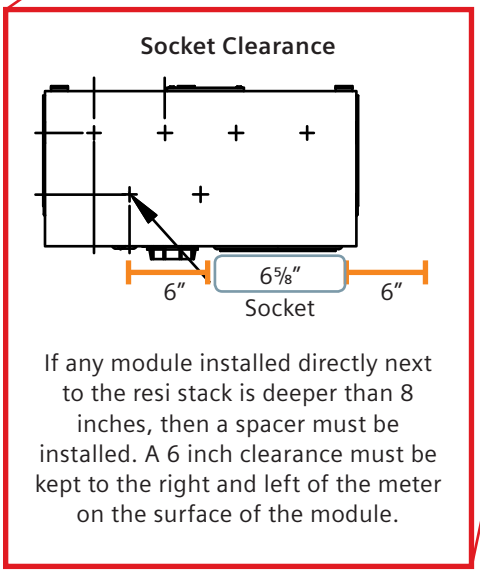
Drawings shown below are for reference only and are not intended as a substitute for Consolidated Edison specifications. It is the installer's responsibility to verify acceptance of any question on the specifications listed here or in the Consolidated Edison Requirements for Electric Service Installations.

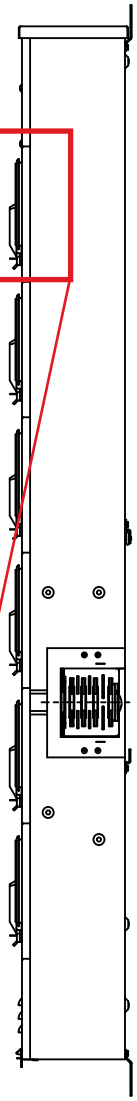
Max number of sockets in each horizontal row 6 or less as prescribed by regulatory authorities.

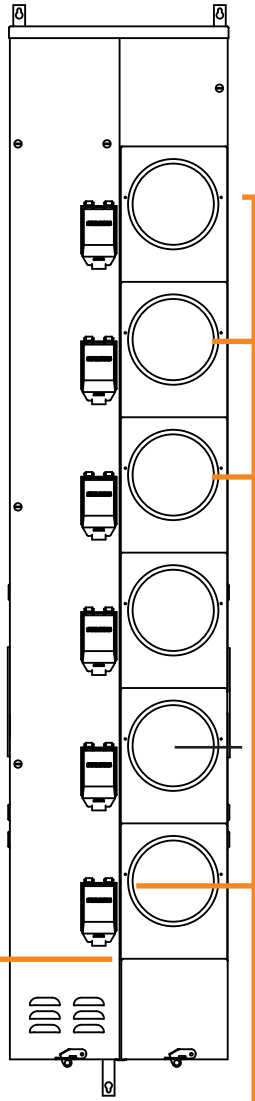
Clearances around the socket:

- If any module installed directly next to a WMN, WCL, or WML stack is deeper than 8 inches, then a spacer must be installed. A 6 inch clearance must be kept to the right and left of the meter on the surface of the module.
- 9 inch minimum is required without a demand register.
- 12 inch minimum is required for a meter with a demand register.
- 3 foot minimum to any open door.
- 6 inch minimum to any building structure or installed material with its door open.









Sockets are on 10 inch centers vertically.

78 inches max to the top meter center line

24 inches maximum from the bottom of the center line of the bottom meter.

All live bus must be a min of 12 inches from the floor. This includes neutrals.

Floor

Power Mod™ for Consolidated Edison

Type WMN Meter Stacks Features



Sturdy steel base pan
Provides reinforcing durable support for each tenant main breaker.



2 pole up to 225A @ 100kAIC
Fits in 2 inch – compact width reduces enclosure size limiting total mounting space required.

Rigid molded side wall
Provides reinforcing vertical support for each tenant main breaker.

Main breaker retainer
Ensures secure connection for breaker wiring.

Insert a 125A QP into a 225A without conversion kits or filler plates.

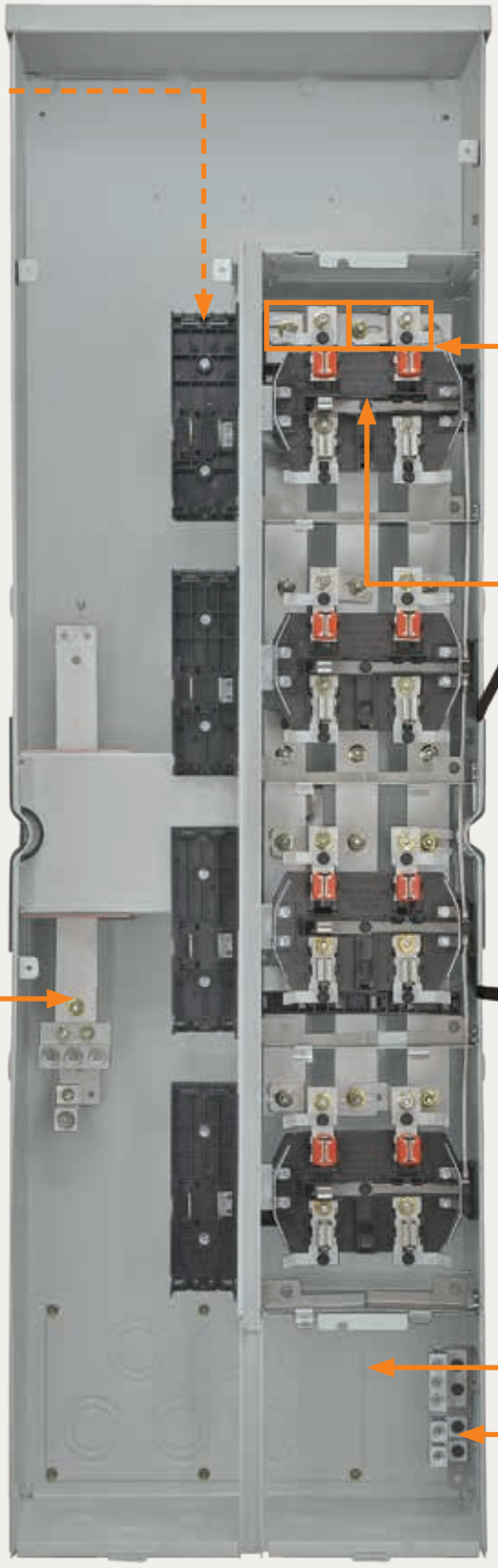


Moveable neutral
Allows for top or bottom configuration helping save length needed for wire.

Connecting cross bus rated at 1200amps



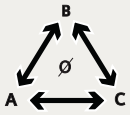
Lockable breaker cover

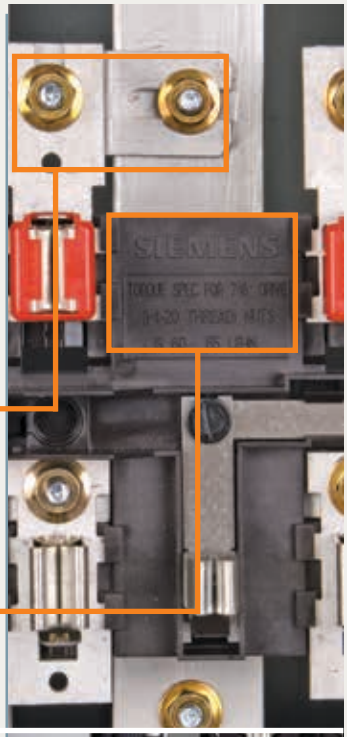


Power Mod™ for Consolidated Edison

Type WMN Meter Stacks Features

Front accessible and field installable 5th jaw
Located in 6 or 9 o'clock position. Factory installed in 9 o'clock position. All connections are front accessible.





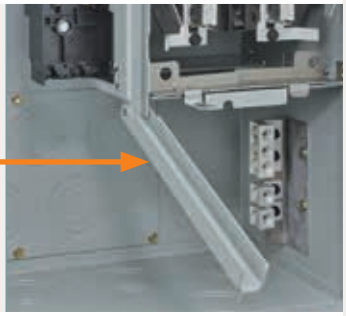
Field phase each meter socket to balance the load between phases. More flexible than phasing the entire stack.

Keeping the contractor in mind, torque values are molded on each meter socket for quick reference.

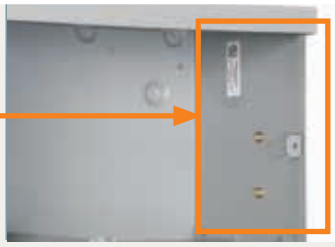
Removable back end KO plate
Keeping the contractor in mind, simplifies and speeds up pulling wire. Entire plate can be removed to allow ample space for wire. Knockouts in the plate can be removed before or after stack installation.



Rain channel
Moveable to simplify wiring.

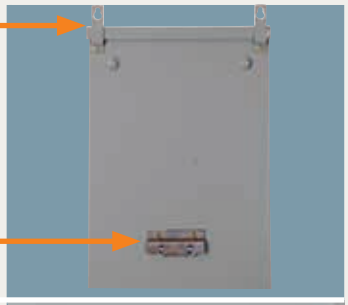


Moveable ground
Allows for top or bottom configuration helping save on wire costs.



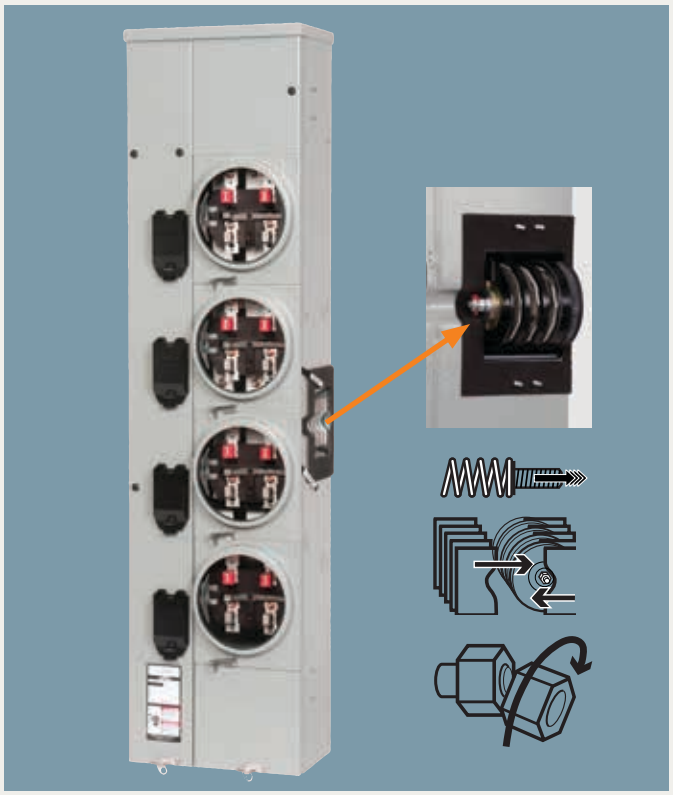
Mounting ears
Pivot factory installed mounting ears to minimum or maximum position to provide additional stability when mounting equipment onto wall.





Apartment no. emboss
Provides convenience and organization.





Standard Switch Mains

Standard switch modules (type WS) are designed for flexibility, space savings, and durability.

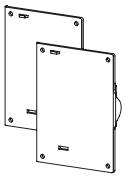
Features include:

- QuickSystem™ features
- Standard compression lug capability
- Invertibility: 400-800 Amp devices can be rotated to accommodate the desired incoming feed direction
- 750 kcmil AL wire options for most models
- 100K AIC standard for all models
- Class T fuse provisions
- Front mounted handle – removes the need for spacers on the side
- Broad ampacity ratings up to 1200 Amps

Standard Switch Mains quick reference

- 200-1200A
- 1200A thru-bus
- UL Standard # UL98
- UL file #E25506
- AIC rating (100k AIC)
- Voltage:
  - Single phase 120/240V AC max
  - Three phase 240V AC max
- All swing latches and rivets are stainless steel
- NEMA 3R rated
- G90 galvanized steel
- ANSI 61 paint
- Custom options available.





WMEP Plates Included

Power Mod™ for Consolidated Edison

Type WS Standard Switch Mains

Suitable for use as service equipment. Certain conditions may apply.

Lugs not included on most models.

NEMA II stud pattern lugs must be installed by user or utility.





Fusible switch service entrance modules: 1-phase, 3-wire SN, 120/240V AC⑥

Catalog No. (100k AIC)	Catalog No. (100k AIC) Blank Endwall	Rating Amps	Service Feed	Fuse Type⑥	Dimensions (inches)①			Line Side Connections
					Height	Width	Depth	
WMP02U②⑧	**WMP02UNH**	200	OH/UG	T	33.00	12.00	13.00	(1) #6 - 250 KCMIL
WS1400CU③	**WS1400CUNH**	400	OH/UG④	T	50.13	15.19	16.31	1 set of 2 studs (lugs not included)
WS1600CU③	**WS1600CUNH**	600	OH/UG④	T	50.13	15.19	16.31	
WS1800CU③	**WS1800CUNH**	800	OH/UG④	T	50.13	15.19	16.31	2 sets of 2 studs (lugs not included)
WS11200BU⑤⑦	—	1200	UG	T	50.06	20.22	16.06	(4) 250- 500 kcmil

Fusible switch service entrance modules: 3-phase, 4-wire WN, 240V AC Max.⑥

Catalog No. (100k AIC)	Catalog No. (100k AIC) Blank Endwall	Rating Amps	Service Feed	Fuse Type⑥	Dimensions (inches)①			Line Side Connections
					Height	Width	Depth	
WMP024U②⑧	**WMP024UNH**	200	OH/UG	T	33.00	12.00	13.00	(1) #6 - 250 KCMIL
WS3400CU③	**WS3400CUNH**	400	OH/UG④	T	50.13	15.19	16.31	1 set of 2 studs (lugs not included)
WS3600CU③	**WS3600CUNH**	600	OH/UG④	T	50.13	15.19	16.31	
WS3800CU③	**WS3800CUNH**	800	OH/UG④	T	50.13	15.19	16.31	2 sets of 2 studs (lugs not included)
WS31200BU⑤⑦	—	1200	UG	T	50.06	20.22	16.06	(4) 250-500 kcmil

① Dimensions shown are representative of outside box dimensions and do not include allowances for mounting bumps, endwalls, covers, hubs, or hardware protrusions. Dimensions are subject to change.
② Additional lead time required. Contact sales office for details. Fusible pull-out switch.
③ Lugs not included. Refer to pages 92-93 for lug size options. NEMA II stud pattern compression lugs must be installed by user or utility.
④ Module is invertible – rotate device to point hub openings to appropriate feed direction.
⑤ 500 kcmil max wire range size.
⑥ Fuses not included.
⑦ Device uses a molded case switch (looks like a breaker). Class T fuses must be installed in conjunction with the molded case switch for proper operation.
⑧ Depending on installation details and adjacent product, a WSP spacer module may be required to provide enough clearance for hinges/latches. Contact your local sales person for support

WMN ConEd Residential Meter Stacks

Siemens Consolidated Edison Residential Meter Stacks are packed with features inside and out: our exclusive knock out plate offers flexibility when pulling wires to the stack, moveable neutrals and grounds to save wire, and all of the QuickSysten features all designed with the contractor in mind. The units feature 10" socket center to center distance to allow for use of meter puling tools.

WMN ConEd Residential Meter Stacks quick reference

- 2-6 gang
- 125/225 Amp per position
- 1200Amp thru-bus rating
- UL standard 67
- UL file no. E27100
- AIC rating: (65k and 100K)
- Voltage
  - 3 phase in single phase out
  - 240V AC max
- All swing latches and rivets are stainless steel
- Outdoor = NEMA 3R rated
- Indoor = NEMA 1R rated
- G90 galvanized steel
- ANSI 61 paint





QuickConnect™ Included

Power Mod™ for Consolidated Edison

Type WMN ConEd Residential Meter Stacks

Main Features:

- 2-6 gang
- 1200 amp thru-bus
- Suitable for 65k and100k AIC applications



Residential 5-jaw ring type meter stacks; 3-phase, 4-wire SN, incoming and 1-phase, 3 wire SN outgoing③

Outdoor Catalog No.	Indoor Catalog No.	Meter Positions Per Stack	Breaker Provision	Maximum AIC④	Dimensions (inches)①			Knockout Diagram
					Height	Width	Depth	
Max. tenant breaker (Amps): 125								
WMN22125J	**MN22125J**	2	QP, QPH, HQP, HQPH	100k	35.31	12.97	8.09	WMN-1
WMN32125J	**MN32125J**	3		100k	46.31	12.97	8.09	WMN-2
WMN42125J	**MN42125J**	4		100k	56.31	12.97	8.09	WMN-3
WMN52125J	**MN52125J**	5		100k	66.31	12.97	8.09	WMN-4
WMN62125J	**MN62125J**	6		100k	76.31	12.97	8.09	WMN-5
Max. tenant breaker (Amps): 225②⑤								
WMN22225J	**MN22225J**	2	QS, QSH, QSHH, HQS, HQSH, QP, QPH, HQP, HQPH	100k	35.31	16.09	8.09	WMN-6
WMN32225J	**MN32225J**	3		100k	46.31	16.09	8.09	WMN-7
WMN42225J	**MN42225J**	4		100k	56.31	16.09	8.09	WMN-8
WMN52225J	**MN52225J**	5		100k	66.31	16.09	8.09	WMN-9
WMN62225J	**MN62225J**	6		100k	76.31	16.09	8.09	WMN-10

① Dimensions shown are representative of outside box dimensions and do not include allowances for mounting bumps, endwalls, covers, hubs, or hardware protrusions. Dimensions are subject to change.

② 225A available in lower three positions only. 200A continuous for all other positions.

③ Must use QuickPhase features to route all sockets AWAY from high-leg when 240/120 Delta voltage is used.

④ Max AIC determined by maximum AIC of tenant breakers.

⑤ Install QP breakers below QS.

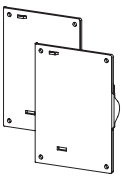
Type WTBN ConEd Tap boxes

ConEd Tap Boxes (type WTBN) are designed to meet the requirements of the Consolidated Edison Utility service area. WTBN tap boxes feature a shallow depth for front and rear alignment with WMN stacks.



ConEd Tap boxes quick reference

- 400-1200A
- 1200Amp thru-bus rating
- UL standard # UL67
- UL file no. E27100
- AIC rating: (100K AIC)
- Voltage
  - 3 phase in single phase out
  - 240V AC max
- All swing latches and rivets are stainless steel
- NEMA 3R rated
- G90 galvanized steel
- ANSI 61 paint



WMEP Plates Included

Power Mod™ for Consolidated Edison

Type WTBN ConEd Tapboxes

Main Features:

- 400-1200A
- 1200 amp thru-bus
- Suitable for 100k AIC applications



Tap Box modules: 3-phase, 4 wire SN, 208/120V AC Max

Catalog No. (100k AC)	Catalog No. (100k AC) Blank Endwall	Ampere Rating	Service Feed②	Dimensions (inches)①			Line Side Connections (Lugs)	Knockout Diagram
				Height	Width	Depth		
WTBN3400CU	**WTBN3400CUNH**	400	OH/UG	48.81	17.63	8.063	1 Set Of 2 Studs	WTBN-1
WTBN3600CU	**WTBN3600CUNH**	600	OH/UG	48.81	17.63	8.063	1 Set Of 2 Studs	WTBN-2
WTBN3800CU	**WTBN3800CUNH**	800	OH/UG	52.84	25.63	8.094	2 Sets Of 2 Studs	WTBN-3
WTBN31200CU	**WTBN31200CUNH**	1200	OH/UG	64.47	25.63	8.094	2 Sets Of 2 Studs	WTBN-4

① Dimensions shown are representative of outside box dimensions and do not include allowances for mounting bumps, endwalls, covers, hubs, or hardware protrusions. Dimensions are subject to change.

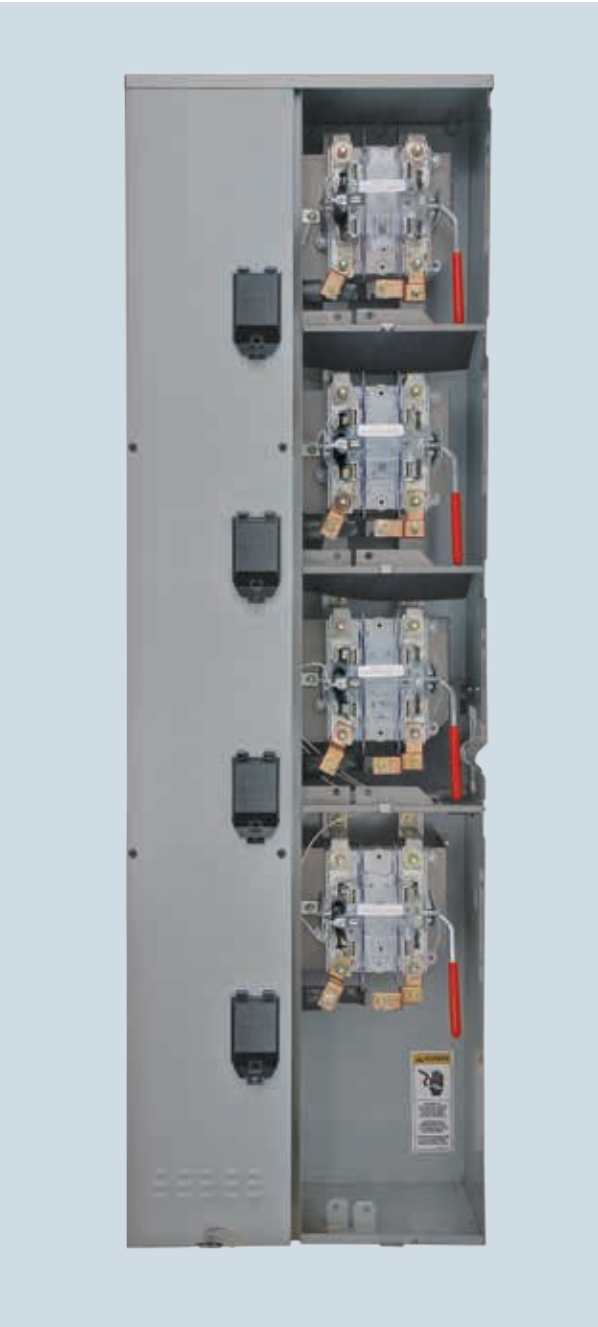
② Devices have studs on top and bottom, but only one side should be used.
③ Not listed in Blue Book.

Lever Bypass Meter Stacks

Lever Bypass meter stacks (type WML) are designed to meet the requirements of those utilities specifying lever bypass meter sockets for residential and commercial applications.

Features include:

- QuickSystem™ features①
- High-quality, time-proven Talon HQ sockets
- A line of 3-phase 100 Amp meter stacks to minimize tenant main cost
- Removable back knockout plate to facilitate wiring
- 225 Amp capability in single and three phase designs
- Up to 4 positions with 225 Amp tenant mains, up to 2 positions with 400 Amp tenant mains
- All lever bypass stacks are ringless.



Lever Bypass quick reference

- 125A 2-6 position
- 100A/225A 1-4 position
- 400A 1-2 position
- 1200A thru-bus rating
- UL Standard # UL67
- UL file # E27100
- AIC rating (25K, 35K, 65K and 100K)
- Voltage
  - Single phase 120/240V AC max
  - Three in single phase out 208Y/120V AC
  - Three Phase 240V AC max
- All swing latches and rivets are stainless steel.
- Indoor = NEMA 1 rated
- Outdoor = NEMA 3R rated
- G90 galvanized steel
- ANSI 61 paint
- Custom options available.



QuickConnect™ Included

① QuickPhase™ is not applicable with non-field phaseable stacks (WML, 225A-400A, 3-phase-in/3-phase-out).

Power Mod™ for Consolidated Edison

Type WML Lever Bypass Meter Stacks

- 225A 1-4 position
- 1200A thru-bus rating



Commercial Ringless Type Meter Stacks: Lever Bypass

Outdoor Catalog No.	Indoor Catalog No.	Meter Positions Per Stack	Breaker Provisions	Maximum AIC③	Dimensions (inches)①			Stack phasing phases/sockets
					Height	Width	Depth	
1-Phase, 3-Wire SN, Incoming and Outgoing, Lever Bypass, 5-Jaw Sockets②④								
Max. tenant breaker (Amps): 225								
WML11225RJ	**ML11225RJ**	1	QS, QSH, QSHH, HQS, HQSH, QP, QPH, HQP, HQPH	100k	27.75	19.50	9.00	—
WML21225RJ	**ML21225RJ**	2		100k	40.75	19.50	9.00	—
WML31225RJ	**ML31225RJ**	3		100k	49.75	19.50	9.00	—
WML41225RJ	**ML41225RJ**	4		100k	62.75	19.50	9.00	—
3-Phase, 4-Wire SN, Incoming and 1-Phase, 3-Wire SN Outgoing, Lever Bypass, 5-Jaw Sockets②⑤								
Max. tenant breaker (Amps): 225								
WML12225RJ	**ML12225RJ**	1	QS, QSH, QSHH, HQS, HQSH, QP, QPH, HQP, HQPH	100k	27.75	19.50	9.00	1-AB
WML22AB225RJ	**ML22AB225RJ**	2		100k	40.75	19.50	9.00	1-AC, 1-BC
WML22BC225RJ	**ML22BC225RJ**	2		100k	40.75	19.50	9.00	1-AC, 1-AB
WML22CA225RJ	**ML22CA225RJ**	2		100k	40.75	19.50	9.00	1-AB, 1-BC
WML32225RJ	**ML32225RJ**	3		100k	49.75	19.50	9.00	1-AB, 1-BC, 1-CA
WML42AB225RJ	**ML42AB225RJ**	4		100k	62.75	19.50	9.00	2-AB, 1-BC, 1-CA
WML42BC225RJ	**ML42BC225RJ**	4		100k	62.75	19.50	9.00	1-AB, 2-BC, 1-CA
WML42CA225RJ	**ML42CA225RJ**	4		100k	62.75	19.50	9.00	1-AB, 1-BC, 2-CA

① Dimensions shown are representative of outside box dimensions and do not include allowances for mounting bumps, hubs, or hardware protrusions.
② Not for use on 3-phase, 4-wire delta systems.
③ Max AIC determined by maximum AIC of tenant breakers when used in conjuntion with a meter socket. Higher overall ratings may be achieved through approved series rating combinations.
④ Are field phaseable.
⑤ Not field phaseable.

Power Mod™ for Consolidated Edison

Type WML Lever Bypass Meter Stacks

- 100A/225A 1-4 position
- 1200A thru-bus rating



Commercial Ringless Type Meter Stacks: Lever Bypass

Outdoor Catalog No.	Indoor Catalog No.	Meter Positions Per Stack	Breaker Provisions	Maximum AIC③	Dimensions (inches)①		
					Height	Width	Depth
3-Phase, 4-Wire SN, Incoming And Outgoing, Lever Bypass, 7-Jaw Sockets⑤							
Max. tenant breaker (Amps)①② : 100							
WML13100RJ②	**ML13100RJ②**	1	QP, QPH, HQP, HQPH	100K	27.75	23.50	9.00
WML23100RJ②	**ML23100RJ②**	2		100K	40.75	23.50	9.00
WML33100RJ②	**ML33100RJ②**	3		100K	49.75	23.50	9.00
WML43100RJ②	**ML43100RJ②**	4		100K	62.75	23.50	9.00
Max. tenant breaker (Amps)①② : 225							
WML13225RJ	**ML13225RJ**	1	QR2, QRH2, HQR2, HQR2H	100k	27.75	23.50	9.00
WML23225RJ	**ML23225RJ**	2		100k	40.75	23.50	9.00
WML33225RJ	**ML33225RJ**	3		100k	49.75	23.50	9.00
WML43225RJ	**ML43225RJ**	4		100k	62.75	23.50	9.00

① Dimensions shown are representative of outside box dimensions and do not include allowances for mounting bumps, hubs, or hardware protrusions.
② 3-pole breakers only.
③ Max AIC determined by maximum AIC of tenant breakers when used in conjunction with a meter socket. Higher overall ratings may be achieved through approved series rating combinations.
④ Rated for use with 240/120V Delta systems.

Custom Options, Elbows and Spacers

Siemens offers a wide range of accessories and custom options to help product fit your application. Eliminate the need for special orders with replacement part kits available for your convenience. All kits come with appropriate hardware and instruction sheets for safe installation.

Meet local requirements and save on labor with custom factory installed options and custom paint colors.



Elbows, Spacers & Accessories quick reference
Lugs:
■ UL486A/B
■ 750 kcmil maximum wire size (may vary by catalog number)
■ Tin plated aluminum extrusions
Custom Colors:
■ Desert Tan
■ Forest Green
■ Custom Match Options

Custom options



Desert Tan



Forest Green

Description

Power Mod offers custom options exclusive to the industry. Avoid time consuming field modifications and realize labor savings through factory installed options. Meet local aesthetic requirements with custom color paint options. Eliminate the need to repaint enclosures and risk splattering paint on bus or meter socket components ①:
Custom colors:

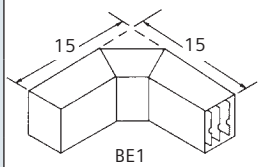
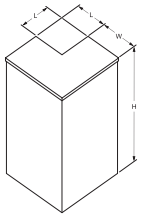
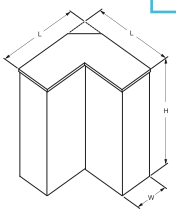
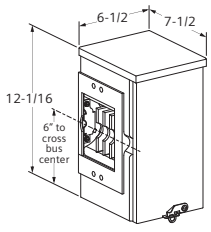
- Desert tan
- Forest Green
- Color match available upon request



Configure in COMPAS

① Contact sales office for ordering instructions and lead time

Bussed Elbow and Bussed Extensions/Spacers

		Catalog No.	Description	Dimensions (inches)①		
				Height	Length	Width
NEMA 1 Elbows	 BE1 BE4  BE4 	**BE1**②	Indoor Bussed Elbow, 15", 1-phase, 3-wire, 1200 Amp maximum	5.62	15.06	4.87
		BE4②	Indoor Bussed Elbow, 15", 3-phase, 4-wire, 1200 Amp maximum	5.62	15.06	4.87
		BE112②	Indoor Bussed Elbow,12", 1-phase, 3-wire, 1200 Amp maximum	5.62	12.09	4.87
		BE412②	Indoor Bussed Elbow, 12", 3-phase, 4-wire, 1200 Amp maximum	5.62	12.09	4.87
NEMA 3R Elbows	 Outside Corner  Inside Corner 	**WELB318**	Outdoor Elbow, Inside corner, 3-phase, 100k max AIC	30.06	18.31	7.97
		WELB118	Outdoor Elbow, Inside corner, 1–Phase, 100k max AIC	30.06	18.31	7.97
		WELB312	Outdoor Elbow, Inside corner, 3-phase, 100k max AIC	30.06	12.31	7.97
		WELB112	Outdoor Elbow, Inside corner, 1–Phase, 100k max AIC	30.06	12.31	7.97
		WELB307E	Outdoor Elbow, Outside corner, 3-phase, 100k max AIC	30.06	6.80	7.97
		WELB107E	Outdoor Elbow, Outside corner, 1–Phase, 100k max AIC	30.06	6.80	7.97
Bussed Extensions/ Spacers	 **WSP1** **WSP3** 	**WSP1**	Outdoor Bussed Extension, 1-phase, 3-wire, 1200 Amp maximum	12.06	7.25	6.50
		WSP3	Outdoor Bussed Extension, 3-phase, 4-wire, 1200 Amp maximum	12.06	7.25	6.50

① Dimensions shown are representative of outside box dimensions and do not include allowances for mounting bumps, endwalls, covers, hubs, or hardware protrusions. Dimensions are subject to change.

② Do not connect indoor elbows directly to busway.

Conduit Hubs

Catalog No.	Description
Type RX	
EC38594	3/4" Conduit Hub
EC38596	1" Conduit Hub
EC38597	1 1/4" Conduit Hub
EC38598	1 1/2" Conduit Hub
EC9747-1113	Adapter plate for HD/RX

Type HD	
EC56854①	2" Conduit Hub
EC56855①	2 1/2" Conduit Hub
EC56856	3" Conduit Hub
EC56857	3 1/2" Conduit Hub
EC56858	4" Conduit Hub
EC56933S	Closure Plate

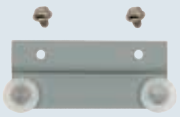
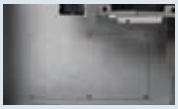
Accessory	Catalog No.	Description
	**QC1**	QuickConnect 1-phase, 3-wire, 1200 Amp maximum.
	**QC4**	QuickConnect 3-phase, 4-wire, 1200 Amp maximum.
	**WMEP**	Plastic end enclosure plate for thru bussing.
	**SRSS**	Sealing ring - snap-on, stainless steel.
	**SRSW**	Sealing ring - screw type, stainless steel.
	**SRSTD**	Sealing ring - snap on, aluminum (comes standard).
	**ECJS**②	Meter bypass jumper 4 AND 5 JAW - not for use with lever bypass. For temporary use ONLY. Only works with ECPP cover. 200A max. Comes with 2 jumpers.
	**ECPP**	Plastic Ring Style cover plate. May be used with ringless style cover in conjunction with ECJS.

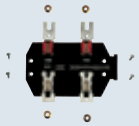
① Item is a kit consisting of adapter plate and RX Type Hub

② Required per 1-phase meter socket. Residential type ring and ringless - 200 Amp max. Meter cannot be installed while in use. Made for use with ECPP cover plate.

Power Mod™ for Consolidated Edison

Accessories & Replacement Parts

Accessory	Catalog No.	Description
	**ECMMRS**	Power Mod mini ratchet set Includes: ■ 2" T-25 Torx Bit - Eases removal and re-installing of cover screws ■ 5/16" Magnetic Nut Setter - Eases the installation of Tap Boxes when QuickBolt assembly is required to be removed from one side. It can also be used to quickly install or reposition the fifth jaw. ■ 3/8" x 1/4" drive deep well socket - Eases connection of adjacent module using hardware provided.
	**ECMFTAB**	Mounting tabs or "ears" for top of Power Mod devices. Comes with 2 tabs.
	**ECMFGN125**	Kit for replacement or additional ground and neutral lugs for 125 Amp (W)MM residential stacks. Can also be used as the replacement or additional ground lug kit for 225 Amp (W)MM residential stacks.
	**ECMFN225**	Neutral lug kit for 225 Amp Residential stacks (type (W)MM Power Mod only).
	**ECMFWLCLIP**	Rail/clip located on back of unit with wheels (Power Mod only).
	**ECMFPK**	Power Mod loose parts replacement kit. Includes: instruction sheet, (6) apartment number labels, (6) service disconnect labels, (4) 1/4-20 hex nuts, (4) #10-32 hex nuts, (4) 1/4-20 x 1/2 screws, (4) wing-nuts, (4) #10 flat washers, (4) #10 lock washers.
	**ECMMKOP**	Power Mod knock-out plate with knock-outs for type (W)MM Residential Stacks (not suitable for Uni-PAK). Attaches to back wall of unit.
	**ECMMNKOP**	Power Mod knock-out plate without knock-outs for Type (W)MM Residential Stacks (not suitable for Uni-Pak). This is a blank plate, ideal for contractors who want to cut their own holes in the back plate
	MMCLIP	Rail/clip that comes on back of unit, no wheels (Power Mod only).
	MMRAIL	12" Standard wall mounting rail (Power Mod or Uni-PAK).
	MMZR24	24" long mounting "Z" rail for wall mounting (Power Mod or Uni-PAK).
	MMZR36	36" long mounting "Z" rail for wall mounting (Power Mod or Uni-PAK).
	MMZR48	48" long mounting "Z" rail for wall mounting (Power Mod or Uni-PAK).
	MMZR60	60" long mounting "Z" rail for wall mounting (Power Mod or Uni-PAK).

Accessory	Catalog No.	Description
	**ECMF5**	5th jaw replacement for Power Mod type (W)MM meter stacks and series WP, WEP, and WPC Uni-PAK.
	**ECMFS**	Meter socket replacement for Power Mod type (W)MM meter stacks and series WP, WEP, and WPC Uni-PAK.
	**ECMFBM1**	Breaker mounting replacement for 125 Amp Power Mod type (W)MM, (W)ML, WMT single phase meter stacks and series WP, WEP, WPL and WPC Uni-PAK.
	ECMFBM2	Breaker mounting replacement for 225 Amp Power Mod type (W)MM, (W)ML, WMT single phase meter stacks and series WP, WEP, WPL and WPC Uni-PAK.
	**ECMFCS**	Cover screw replacement (quantity 10) for Power Mod and Uni-PAK devices.
	**ECMFPS**	Quick phase "Z" strap replacement for Power Mod Type WMM Meter stacks.
	**ECBC**	Breaker cover replacement for type (W)MM, (W)ML, WMT single phase meter stacks and series WP, WEP, WPL, and WPC Uni-PAK.

Tap Box modules: 3-phase, 4 wire SN, 208/120V AC Max

			ConEd Tapbox Lug Kits		
		Wire Size →	500 kcmil	600 kcmil	750 kcmil
	Amperage	# Conductors			
3 Phase	400	1		**LK31600N2**	
		2	**LK32500N2**		
	600	2	**LK32500N2**		
	800	2		**LK32600N2**	**LK32750N2**
		3	**LK33500N2**		
	1200	3			**LK33750N2**
		4	**LK34500N2**		

Power Mod™ for Consolidated Edison

Tenant Circuit Breakers



QS2100



QR23B225



Q260



Q360

Amperage	10K AIC Type QP	22K AIC Type QPH	42K AIC —	65K AIC Type HQP	100K AIC —
For use in 125 Amp and 225① Amp single phase output WMM, WML, WMT, WP, WPC, WEP, WPL metering③					
60	**Q260**	**Q260H**	**Q260HH**	**Q260HH**	**—**
70	**Q270**	**Q270H**	**Q270HH**	**Q270HH**	**—**
80	**Q280**	**Q280H**	**Q280HH**	**Q280HH**	**—**
90	**Q290**	**Q290H**	**Q290HH**	**Q290HH**	**—**
100	**Q2100**	**Q2100H**	**Q2100HH**	**Q2100HH**	**HQ2100H**
110	**Q2110**	**Q2110H**	**Q2110HH**	**Q2110HH**	**—**
125	**Q2125**	**Q2125H**	**Q2125HH**	**Q2125HH**	**HQ2125H**
For use in 100 Amp, 3- phase output WML meter stacks only					
60	**Q360**	**Q360H**	**Q360HH**	**Q360HH**	**—**
70	**Q370**	**Q370H**	**Q370HH**	**Q370HH**	**—**
80	**Q380**	**Q380H**	**Q380HH**	**Q380HH**	**—**
90	**Q390**	**Q390H**	**Q390HH**	**Q390HH**	**—**
100	**Q3100**	**Q3100H**	**Q3100HH**	**Q3100HH**	**—**
For use in 225① Amp single phase output WMM, WML, WMT, WP, WPC, WEP, WPL metering③					
	Type QS②	Type QSH②	Type QSHH	Type HQS②	Type HQSH②
100	**QS2100**	**QS2100H**	**QSH2100**	**QS2100HH**	**HQS2100H**
110	**QS2110**	**QS2110H**	**QSH2110**	**QS2110HH**	**HQS2110H**
125	**QS2125**	**QS2125H**	**QSH2125**	**QS2125HH**	**HQS2125H**
150	**QS2150**	**QS2150H**	**QSH2150**	**QS2150HH**	**HQS2150H**
175	**QS2175**	**QS2175H**	**QSH2175**	**QS2175HH**	**HQS2175H**
200	**QS2200**	**QS2200H**	**QSH2200**	**QS2200HH**	**HQS2200H**
225	**QS2225**	**QS2225H**	**QSH2225**	**QS2225HH**	**HQS2225H**

For use in 225 Amp 3-phase output WML and WMT meter stacks only

Amperage	Type QR2	Type QRH2	Type HQR2	Type HQR2H
100	**QR23B100**	**QRH23B100**	**HQR23B100**	**HQR23B100H**
125	**QR23B125**	**QRH23B125**	**HQR23B125**	**HQR23B125H**
150	**QR23B150**	**QRH23B150**	**HQR23B150**	**HQR23B150H**
175	**QR23B175**	**QRH23B175**	**HQR23B175**	**HQR23B175H**
200	**QR23B200**	**QRH23B200**	**HQR23B200**	**HQR23B200H**
225	**QR23B225**	**QRH23B225**	**HQR23B225**	**HQR23B225H**

① QP Breakers will fit in 225A WMM, WML, and WMT meter stacks.
② QS series rates with Murray circuit breakers.
③ Breaker selection (when applied to Uni-PAK) applies to WP, WPC, WEP, WPL, Uni-PAK metering only. QS breakers will not nit in SP or MP series.

Power Mod™ for Consolidated Edison

Siemens UVS Series

Siemens UVS series has served the New York City market well for decades and remains the most space-efficient design for multi-family metering available to the market today. This product will remain a critical portion of the Siemens portfolio.

System Parameters

- Mounting: Indoor only
- Input: 208Y/120V AC, 3 Phase 4 Wire or 120/240V AC, 1 Phase, 3 Wire Maximum line terminal - (2) 500 kcmil/phase
- Output: 120/208Y, 1 Phase, 3 Wire or 120/240V AC, 1 Phase, 3 Wire, 100 amps continuous/meter position (125 amps maximum)
- Meter Sockets: 5 jaw. with 5th jaw located at 9 o'clock and electrically connected to neutral bus
- Tenant Circuit Breakers: Use Siemens Type QP 2-pole plug-on circuit breakers, (100 amps maximum)
- 10,000 AIC Rated

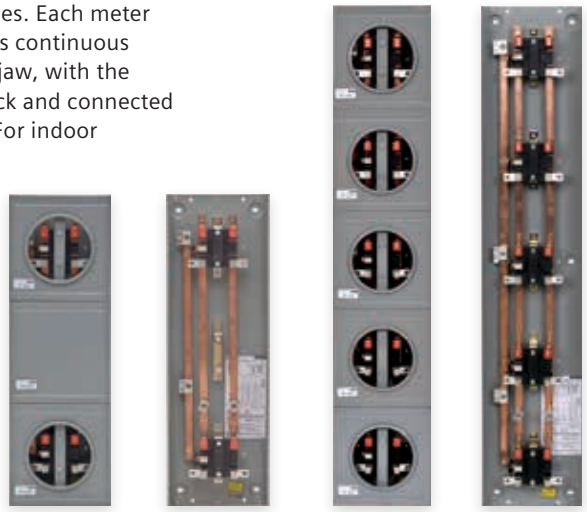


Product Descriptions

Siemens UVS Series Metering is a versatile, unassembled modular metering product comprised of separate modules that may be assembled to produce a variety of configurations that take up less wall space than conventional modular metering.. Only those standard modules shown in this publication will be sold. Installation instructions are shipped with the product. The modules are:

Meter Stacks

Meter stacks are available from 2 to 5 meter positions, arranged vertically and pre-bussed on the line sides. Each meter position is rated 100 amps continuous (125 amps maximum), 5 jaw, with the 5th jaw located at 9 o'clock and connected to the stack neutral bus. For indoor mounting only.



Line Troughs

Line troughs are indoor horizontal wireways that support the meter stacks and supply unmetered linepower to meter stack bus. Line trough is available from 2-5 stack positions and may be ganged by means of couplers to accomodate 6 or more stacks. Phase blocks and line terminals are required to terminate line conductors and to provide means to field wier each stack. Trough end walls are ordered separately.





Phase Blocks

Phase blocks are required to terminate line conductors and provide terminals for field connection to each stack bus. Phase blocks are available with 3, 6 or 12 take-off lugs.



Power Mod™ for Consolidated Edison

Before you begin...

Line Terminal Kits
Line terminals are available in kits of 4 terminals each. The terminals are tang lugs which mount on threaded studs provided on the phase blocks. Terminals are available in 3 sizes:

- (1) 350 kcmil
- (1) 500 kcmil
- (2) 500 kcmil maximum



Breaker Troughs
Breaker troughs are horizontal indoor wireways that contain provisions for plug-in circuit breakers used as tenant mains. The troughs bolt to the top of the meter stacks. Field wiring connects each meter socket to a circuit breaker mounting block. Breaker troughs are available in 2 to 5 stack positions and can be ganged to accommodate 6 or more stacks. Trough end walls are ordered separately.





End Wall Kits
These kits each contain 4 end walls; 2 end walls for the line trough and 2 end walls for the breaker trough.

Circuit Breakers
New York City Apartment Metering uses standard 2-pole plug-on circuit breakers, Siemens Type QP, 100 Amps maximum.



Coupler Kits
These kits each contain 2 trough coupler straps; one for the line trough and one for the breaker trough. These couplers mount using the same mounting screw holes as the end walls.

Line Trough Spacer Kits
These kits may be used to increase wire bend space between the first phase block and line entrance end wall, if necessary. They connect to line troughs with a standard coupling kit. Trough end walls are ordered separately.

Getting Started
Before ordering components, the following should be known:

- Installation instructions are shipped with the product.
- Number of meter positions
- Amp rating of each meter position
- Voltage and phase of incoming line
- Line conductor size and quantity per phase
- Vertical and horizontal space limitations, if any

Meter stacks are 10" wide and are10" high for each meter position, or blank position. (A 3-high stack with no blank positions would be 10" wide and 30" high.) When considering the overall height of an installation, you must add the height of the line trough (12") and the breaker trough (16") to the stack height. An installation of 3-high stacks would be 58" in overall height (30" + 12" + 16" = 58").

All meter stacks in the same meter bank must be the same height to allow the breaker trough to fit on top of the stacks.



Selection Chart #1 – Meter Bank Height and Width

Meter Stack Combinations for Various Heights and Widths, by Number of Meter Positions
All meter stacks are 1 Phase

No. of Meter Positions	58" High			68" High			78" High		
	Use this quantity of:		Width (inches)	Use this quantity of:		Width (inches)	Use this quantity of:		Width (inches)
	UVS310	UVS311B		UVS410	UVS411B		UVS510	UVS511B	
9	3	0	30	Not Practical①		–	1	1	20
10	2	2	40	1	2	30	2	0	20
11	3	1	40	2	1	30	Not Possible②		–
12	4	0	40	3	0	30	Not Practical②		–
13	3	2	50	1	3	40	1	2	30
14	4	1	50	2	2	40	2	1	30
15	5	0	50	3	1	40	3	0	30
16	4	2	60	4	0	40	Not Practical②		–
17	5	1	60	2	3	50	1	3	40
18	6	0	60	3	2	50	2	2	40
19	5	2	70	4	1	50	3	1	40
20	6	1	70	5	0	50	4	0	40
21	7	0	70	3	3	60	1	4	50
22	6	2	80	4	2	60	2	3	50
23	7	1	80	5	1	60	3	2	50
24	8	0	80	6	0	60	4	1	50
25	7	2	90	4	3	70	5	0	50
26	8	1	90	5	2	70	2	4	60
27	9	0	90	6	1	70	3	3	60
28	8	2	100	7	0	70	4	2	60
29	9	1	100	5	3	80	5	1	60
30	10	0	100	6	2	80	6	0	60
31	9	2	110	7	1	80	3	4	70
32	10	1	110	8	0	80	4	3	70
33	11	0	110	6	3	90	5	2	70
34	10	2	120	7	2	90	6	1	70
35	11	1	120	8	1	90	7	0	70
36	12	0	120	9	0	90	4	4	80
37	11	2	130	7	3	100	5	3	80
38	12	1	130	8	2	100	6	2	80
39	13	0	130	9	1	100	7	1	80
40	12	2	140	10	0	100	8	0	80

① Use (3) UVS10 instead of (3) UVS411B. ② Use 3 high or 4 high stacks.

Specifications Chart #1 – Meter Stacks

300V AC max., 100 Amps/Position Continuous Duty, 1 or 3 Phase Network

Meter Positions	Height① (inches)	Catalog Number	Standard Package		Wire Range
			Quantity	Approx. Wt. (lbs)	Line Terminals
2	20	**UVS210**	1	15	#6 - 4/0
2	30	**UVS311B**	1	21	#6 - 4/0
3	30	**UVS310**	1	22	#6 - 4/0
3	40	**UVS411B**	1	29	#6 - 4/0
4	40	**UVS410**	1	30	#6 - 4/0
4	50	**UVS511B**	1	37	#6 - 4/0
5	50	**UVS5510**	1	38	#6 - 4/0

① All stacks are 10" wide.

Meter Stacks

(Use Selection Chart #1 and Specification Chart #1)
Knowing the number of meter positions, and the height and width requirements, select quantity and catalog number of stacks from Selection Chart #1. The height dimension in this chart includes line and breaker troughs. For specs, refer to Specification Chart #1.

Power Mod™ for Consolidated Edison

Line Troughs / Breaker Troughs / Phase Blocks

Line Troughs

(Use Specification Chart #2 and Specification Chart #2)
Knowing the number of meter stacks (not meter positions) from above, select the quantity and catalog numbers of line troughs from Selection Chart #2. For specs, refer to Specification Chart #2.

Breaker Troughs

(Use Selection Chart #2 and Specification Chart #3)
Using the total number of meter stacks (not meter positions!), select the quantity and catalog numbers of breaker troughs from Selection Chart #2 and spec from Specification Chart #3. Use QP style breakers only. Breakers not included.

Phase Blocks

(Use Selection Chart #2 and Specification Chart #4)
Using the number of meter stacks and the incoming power supply, use Selection Chart #2 to determine the quantity and catalog number of phase blocks for line and neutral termination. Spec these from Specification Chart #4.

Selection Chart #2 – Line Tough, Breaker Trough and Phase Block Selection

No. of Meter Stacks in Bank	Line Trough Selection			Breaker Trough Selection			Phase Block Selection			
							3 Phase, 4 Wire System		1 Phase, 3 Wire System	
	Left Trough	Middle Trough	Right Trough	Left Trough	Middle Trough	Right Trough	Line Blocks	Neutral Block	Line Blocks	Neutral Block
3	**ULT30**①	–	–	**UBT30**	–	–	(3) **UPB3**	(1) **UPB3**	(2) **UPB3**	(1) **UPB3**
4	**ULT40**②	–	–	**UBT40**	–	–	(3) **UPB3**	(1) **UPB6**	(2) **UPB6**	(1) **UPB6**
5	**ULT50**	–	–	**UBT50**	–	–	(3) **UPB6**	(1) **UPB6**	(2) **UPB6**	(1) **UPB6**
6	**ULT30**②	–	**ULT30**	**UBT30**③	–	**UBT30**	(3) **UPB6**	(1) **UPB6**	(2) **UPB6**	(1) **UPB6**
7	**ULT40**②	–	**ULT30**	**UBT40**③	–	**UBT30**	(3) **UPB6**	(1) **UPB12**	(2) **UPB12**	(1) **UPB12**
8	**ULT40**②	–	**ULT40**	**UBT40**③	–	**UBT40**	(3) **UPB6**	(1) **UPB12**	(2) **UPB12**	(1) **UPB12**
9	**ULT50**②	–	**ULT40**	**UBT50**③	–	**UBT40**	(3) **UPB6**	(1) **UPB12**	(2) **UPB12**	(1) **UPB12**
10	**ULT50**②	–	**ULT50**	**UBT50**③	–	**UBT50**	(3) **UPB12**	(1) **UPB12**	(2) **UPB12**	(1) **UPB12**
11	**ULT40**④	**ULT40**	**ULT30**	**UBT40**④	**UBT40**	**ULT30**	(3) **UPB12**	(1) **UPB12**	(2) **UPB12**	(1) **UPB12**
12	**ULT40**④	**ULT40**	**ULT40**	**UBT40**④	**UBT40**	**ULT40**	(3) **UPB12**	(1) **UPB12**	(2) **UPB12**	(1) **UPB12**

① Spacer ULT10SP is required if line conductors exceed #6 Awg.
② Spacer ULT10SP is required if line conductors exceed #350 kcmil.
③ Requires (1) UCP1216 Coupler Kit. Kit provides coupling straps for both line and breaker troughs.
④ Requires (2) UCP 1216 Coupler Kits. Kit provides coupling straps for both line and breaker troughs.

Specification Chart #2 – Line Troughs
240V AC max. 1 Phase or 3 Phase

Stack Positions	Width① (inches)	Catalog Number	Standard Package	
			Quantity	Approximate Weight (lbs.)
2	20	**ULT20**②	1	14
3	30	**ULT30**	1	21
4	40	**ULT40**	1	28
5	50	**ULT50**	1	35

① Line troughs are 12" high.
② Will not accomodate phase blocks.

Specification Chart #3 – Breaker Troughs①
All breaker troughs are 1 Phase

Stack Positions	Width① (inches)	Catalog Number	Standard Package	
			Quantity	Approximate Weight (lbs.)
2	20	**UBT20**	1	24
3	30	**UBT30**	1	36
4	40	**UBT40**	1	48
5	50	**UBT50**	1	60

① Like Siemens QP circuit breakers. Breakers not included.
② Height is 16".

Specification Chart #4 – Phase Blocks
240V AC max. 1 Phase or 3 Phase

Number of Take-off Lugs	Catalog Number	Standard Package		Wire Range	
		Quantity	Approximate Wt. (lbs.)	Line①	Load
3	**UPB3**	1	1	3/8 x 16 Stud	#6 - #4/0
6	**UPB6**	1	1	3/8 x 16 Stud	#6 - #4/0
12	**UPB12**	1	2	3/8 x 16 Stud	#6 - #4/0

① Requires separate line lug kit.

Line Terminals

(Use Specification Chart #5)
Knowing the size and quantity per phase of the line conductors, select and spec these from Specification Chart #5. Line terminals come in kits of 4 terminals each. One kit will supply line terminals for 3 phase legs and neutral.

End Walls

(Use Specification Chart #6)
NOTE: Each installation MUST have an end wall kit! The kit provides end walls for each end of the line and breaker troughs. (4 end walls). Use Specification Chart #6.

Coupling Kits

(Use Specification Chart #2 and Specification Chart #6)
When more than one line trough is needed to support the number of meter stacks on a job, or when a line trough spacer is required, coupling straps are required to connect the troughs. Use Selection Chart #2 footnotes 3 and 4 to determine quantity of coupling kits required. Each kit provides one strap for line trough and one strap for breaker trough. Spec from Specification Chart #6.

Line Trough Spacer Kits

(Use Selection Chart #2 and Specification Chart #6)
In some applications, the first phase block may be too close to the end wall of the line trough to provide proper wire bend space for the line conductors being used. Selection Chart #2 footnotes 1 and 2 will show when spacer kits are required.

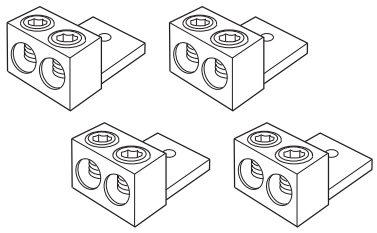
Tenant Circuit Breakers

Each meter position in use requires a tenant circuit breaker. Use standard Siemens QP circuit breakers from the Speedfax Catalog.

Specification Chart #5 – Line Terminals

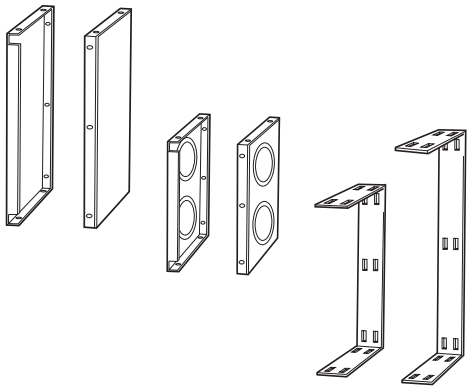
Wire Range	Catalog Number	Standard Package	
		Quantity①	Approximate Weight (lbs.)
(1) #6-350 kcmil	**ULK1350**	**1**	1.00
(1) #4-500 kcmil or (2) #1/0-250 kcmil	**ULK1500**	**1**	1.00
(2) #2-600 kcmil	**ULK2500**	**1**	2.00

Qualtity 1 Package - 4 Lugs



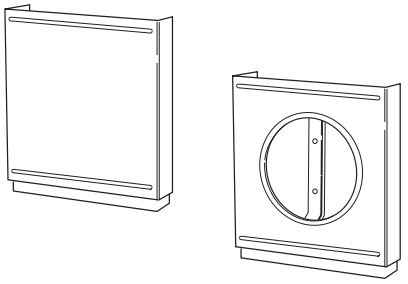
Specification Chart #6 – End Wall and Coupling Kits

Item	Catalog Number	Standard Package	
		Quantity①	Approximate Weight (lbs.)
End Wall Kit Contains 4 end walls; 2 for line trough and 2 for breaker trough	**UEW1216**	**1**	7.00
Coupling Kit Contains 2 coupling straps; 1 for line trough and 1 for breaker trough	**UCP1216**	**1**	1.00



Specification Chart #7 – Accessories

Item	Catalog Number	Standard Package	
		Quantity①	Approximate Weight (lbs.)
Spacer 10" spacer for use with line trough to provide wire bend space where required	**ULT10SP**	**1**	7.00
Meter Cover	**UMCVR**	**1**	2.00
Blank Position Cover	**UMBCVR**	**1**	2.00
Plastic Meter Cover (Ring Type)	**ECPP**	**1**	0.10
Breaker Filler Plate	**ECQF3**	**50**	1.00





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