BUYLOG SECTION 2

# Metering

ENGINEERED
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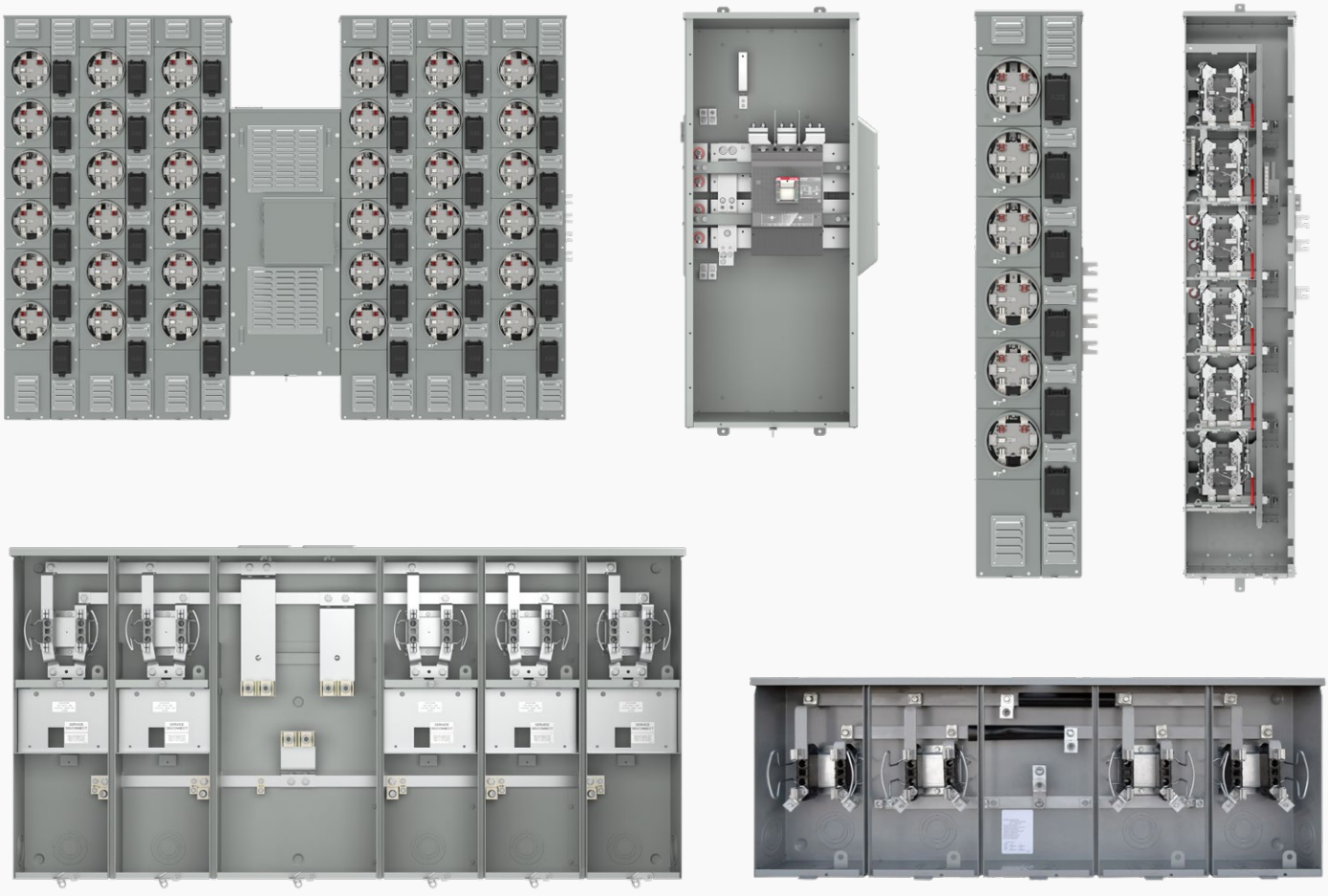

Section Updated 10/2026

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# Overview

## PRODUCT SELECTION GUIDE

| | | ReliaMod modular metering | ReliaMod pack metering[1] | Horizontal metering |
|---|---|---|---|---|
| | | | | |
| Application | | Multifamily | Multifamily | Multifamily |
| Phases | Single | ● | ● | ● |
| | Three | ● | | |
| No of sockets | | No limit | 2 to 6 | Up to 6 |
| Gangable | | Yes | No | No |
| Amperage range | | 400-2000 | Up to 200 | Up to 200 |
| Voltage | | 240 V | 240V | 600 V |
| Interrupting circuit rating @ 240 VAC | | Up to 100kA | Up to 22kAIC | |
| Construction | Indoor/outdoor NEMA 3R | ● | ● | ● |
| Socket types | Ring | ● | ● | ● |
| | Ringless | ● | ● | ● |
| | Ringless with horn bypass | ● | ● | ● |
| | Ringless with lever bypass | ● | | ● |
| Starting page | | 2-5 | 2-65 | 2-69 |

## ACCESSORIES

| | | | |
|---|---|---|---|
| Bypass kits | ● | ● | |
| Fifth jaw kits | ● | ● | ● |
| Lug landing kit | ● | | |
| Connecting hubs | ● | ● | ● |
| Cover plates | ● | ● | ● |

[1]Horn bypass available as field-installable kit. Pack metering units are not offered with factory-installed horn bypass.

# ReliaMod® modular metering

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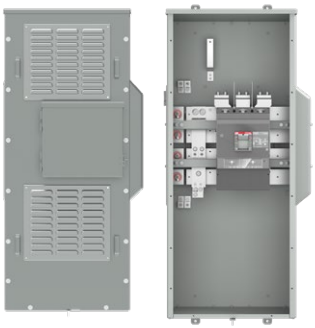
# ReliaMod® modular metering

## Main modules

## Product overview



RMM3BL8R shown

ReliaMod® main breaker or main fusible switch modules are all UL listed and consist of a single means of disconnect and overcurrent protection. ReliaMod® also offers UL listed main lug modules and main lug feed through modules where disconnecting means and overcurrent protection are provided by another separate upstream disconnect or downstream via tenant breakers or via other means. All ReliaMod® main modules consist of N3R outdoor enclosures and horizontal bussing and connectors to allow meter modules to be added to the left and/or right of the unit depending on the application allowing for maximum flexiblity.

**Features**

- ABB modular metering provides for single-phase, three-wire, 120/240V AC; three-phase, four-wire 120/208Y applications, and three-phase in/out, 240 Volt max delta systems.
- Main breaker modules include UL489, standard 80% rated circuit breakers.
- Each main module includes one left and one right bus end cap. Upon installing, each bus end cap can be moved from the main module to the end of the stack line up.
- ReliaMod® main fusible switch modules include a UL489 molded case switch for on/off function and provisions for Class T fuses for overcurrent protection. Class T fuses are not included and are to be provided and installed by others.
- EUSERC main breaker and main fusible switch modules come with integrated pull box and lug landing pads to comply with EUSERC requirements.
- Interchangeable single and three-phase main and meter modules.
- All ReliaMod® main modules with breakers are suitable for service entrance applications.
- All mains are offered with short circuit ratings through 100,000 amps RMS symmetrical.
- RELT (Reduced Energy Let Through) is standard on all main breakers 1200A and above to comply with NEC 240.87 arc flash maintenance requirements.
- All enclosures are NEMA 3R indoor/ outdoor construction.
- All mains are required to be center feed only when the main breaker is greater than horizontal bus amps.
- Main breaker modules, 600A and lower, have bus rated for at least 800A. Main lugs, 600A and lower, have bus rated for at least 600A. All other main breakers, main fuses, and main lugs have bus rated for at least 1200A.
- All mains and stacks are supplied with wall rails to mount to the wall, and rail brackets mounted to the enclosure.
- All 800A and 1200A horizontal bus have identical ganging connection points.
- Shear nuts are included on all horizontal bus connections to eliminate the need for time-consuming torque readings. This breakaway nut provides a visual indicator of torque.
- Flexible lug sizes through 750 kcmil across almost all main modules.
- Series ratings are available from main breakers to tenant breakers (See DET008 for more information on series ratings).
- Shunt trips are available for field installation across all main breakers (400A through 2000A).
- ABB modular metering offers a broad selection of accessories for flexibility: Surge protective device modules, Pull boxes, Elbows, Spacers, etc.
- ABB ReliaMod® horizontal bus does not match up to GE Meter Mod III horizontal bus, so any ReliaMod® section cannot be connected to any GE Meter Mod III section and vice versa without a bus transition adapter section. Please refer to the ReliaMod® bus transition adapter page of the BuyLog for more information.

# ReliaMod® modular metering

## Main modules

### ORDERING CODE CONSTRUCTION - UL MAIN MODULE

| R | MM | 3 | L | 20 | R | FTL |
|---|---|---|---|---|---|---|

**ABB ReliaMod identification**

**Meter product type**

MM = Main/Meter Module

**Phase type**

1 = 1 Phase

3 = 3 Phase

**Main type**

BL = Main Breaker Bottom Fed – 65K Max (400-1200A)

BH = Main Breaker Bottom Fed – 100K Max (400-1200A)

BB = Main Breaker – Bottom Fed – 100K Max (1400-2000A)

BT = Main Breaker – Top Fed – 100K Max (1400-2000A)

BEL = Main Breaker With Integral Pull Box – EUSERC – 65K Max (400-1200A)

BEH = Main Breaker With Integral Pull Box – EUSERC – 100K Max (400-1200A)

F = Main Fusible Switch – Top/Bottom Fed – 100K Max (400-800A)

FE = Main Fusible Switch With Integral Pull Box – EUSERC

L = Main Lug – Top/Bottom Fed (400-2000A, 100K Max)

P = Pull Box

**Main amperage rating**

4 = 400A

6 = 600A

8 = 800A

10 = 1000A

12 = 1200A

14 = 1400A

16 = 1600A

20 = 2000A

R = NEMA Type 3R Rainproof

**Additional features**

L = Lugs for 6 cables per phase and neutral (1400-1600A MCB Only)

FTL = Feed-Thru Lugs (MLO Only)

CLL = Lug Landing Pad

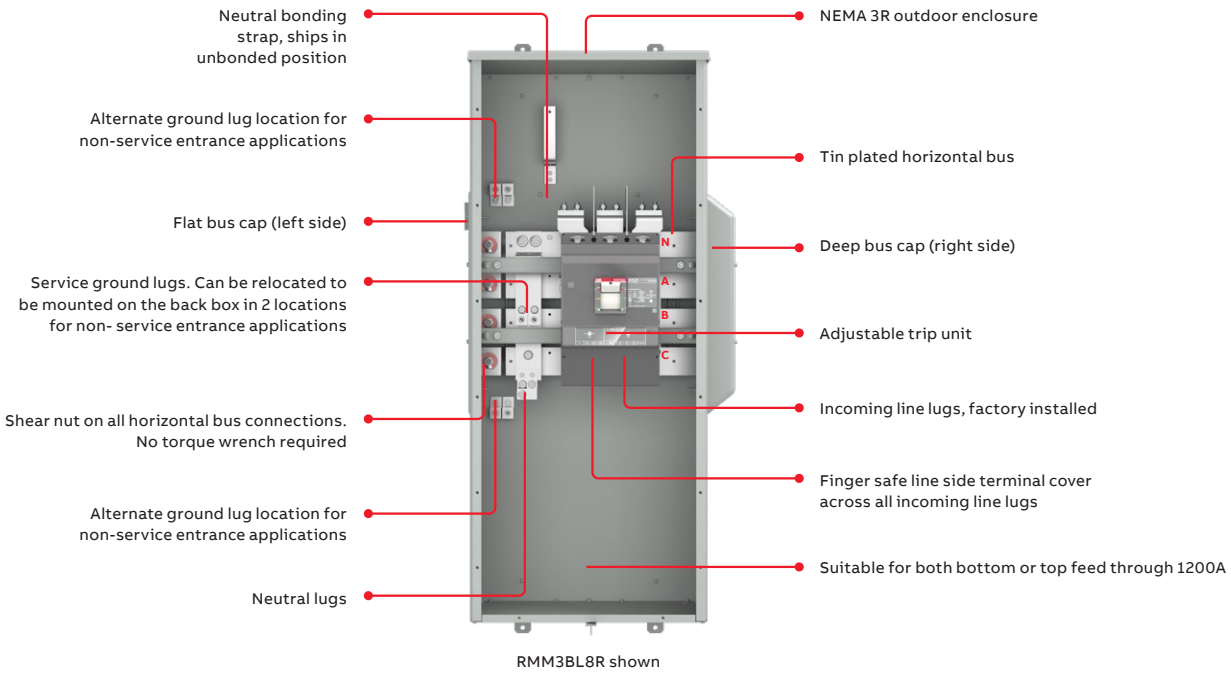
Please **Note:** ABB ReliaMod® horizontal bus does not match up to GE Meter Mod III horizontal bus, so any ReliaMod® section cannot be connected to any GE Meter Mod III section and vice versa without a bus transition adapter section. Please refer to the ReliaMod® bus transition adapter page of the BuyLog for more information.

# ReliaMod® modular metering

## Main modules

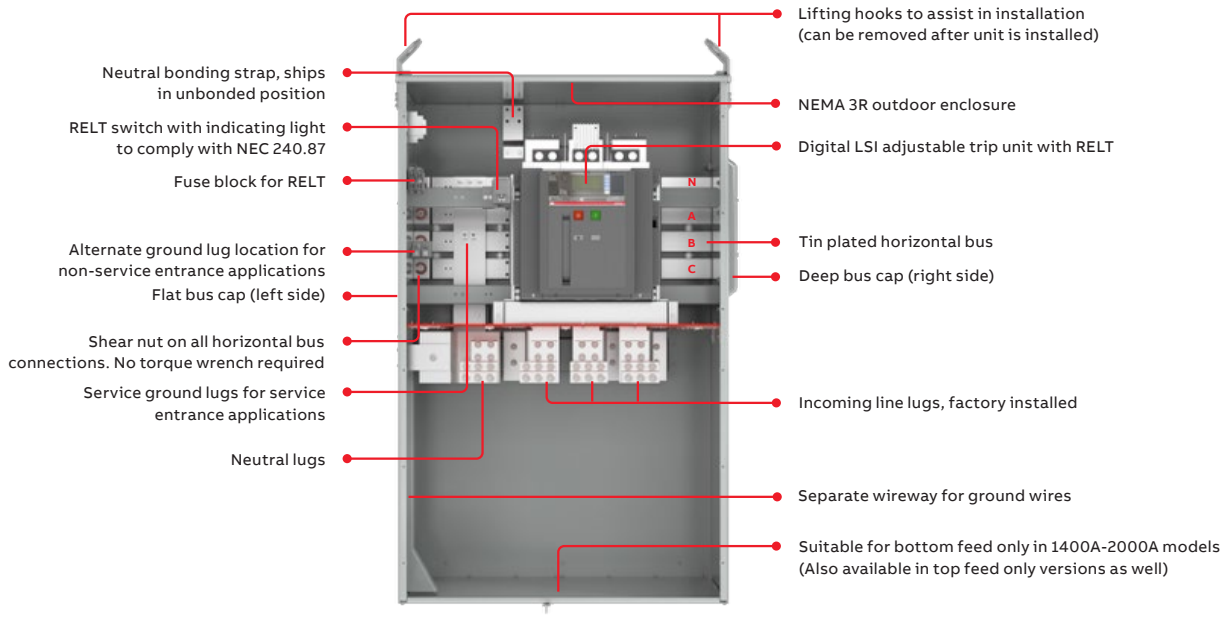
## Construction details

### Construction Details: Main breaker modules 400A-2000A in 1-Phase and 3-Phase models (800A MCB Module Shown below)




RMM3BL8R shown

### Construction Details: Main breaker modules 400A-2000A in 1-Phase and 3-Phase models (2000A MCB Module Shown below)



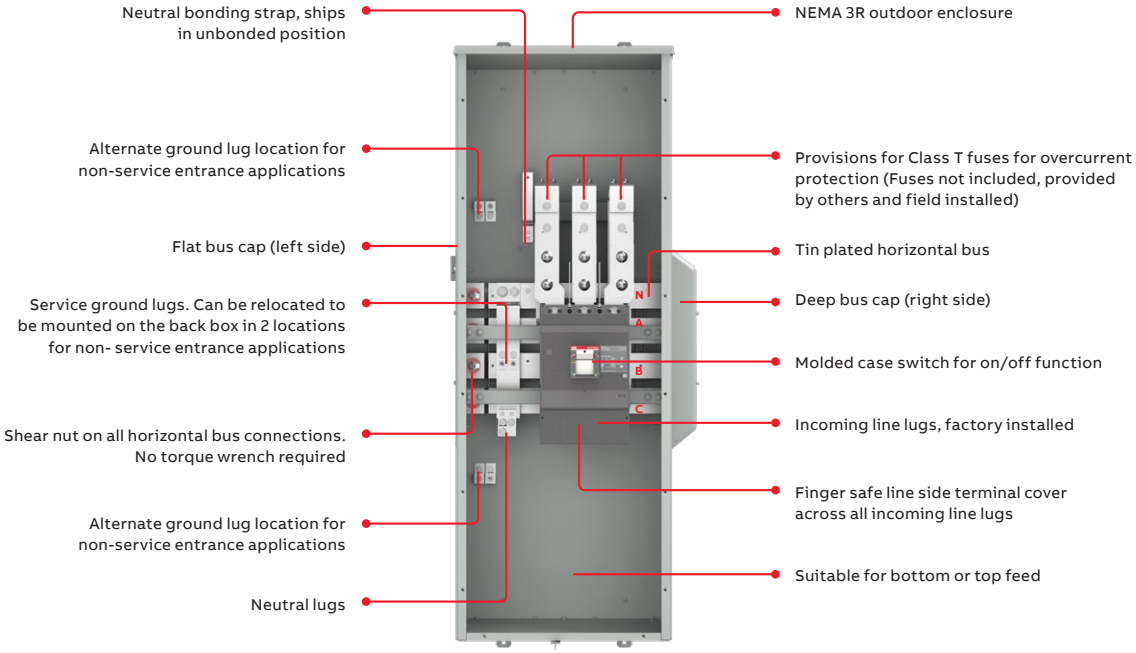

RMM3BB20RL shown

# ReliaMod® modular metering

## Main modules

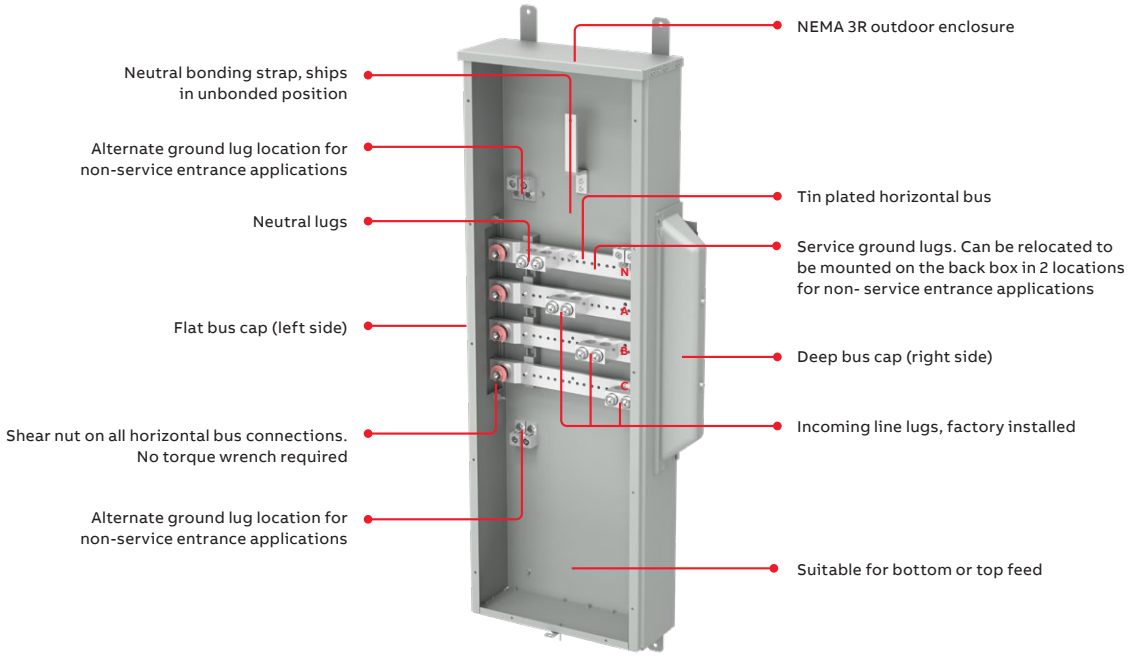
## Construction details

### Construction Details: Main fusible switch modules 400A-800A in 1-Phase and 3-Phase models




RMM3F6R shown

### Construction Details: Main Lug Modules 400A-2000A in 1-Phase and 3-Phase models



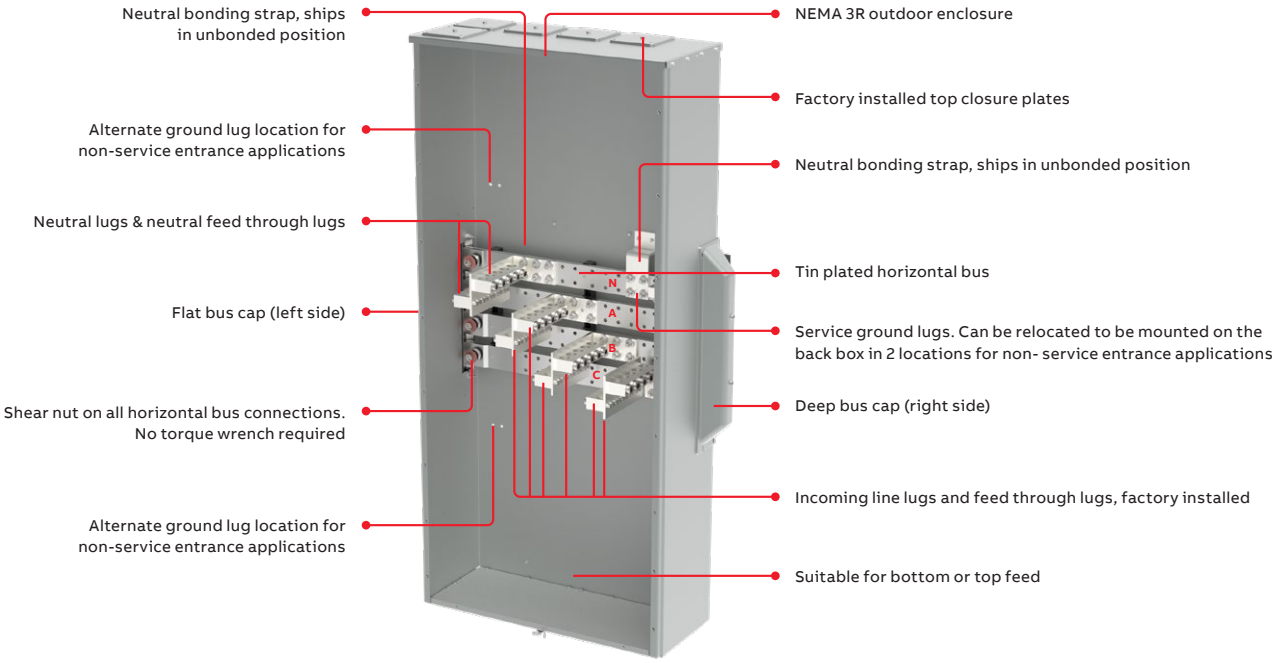

RMM3L6R shown

# ReliaMod® modular metering

## Main modules

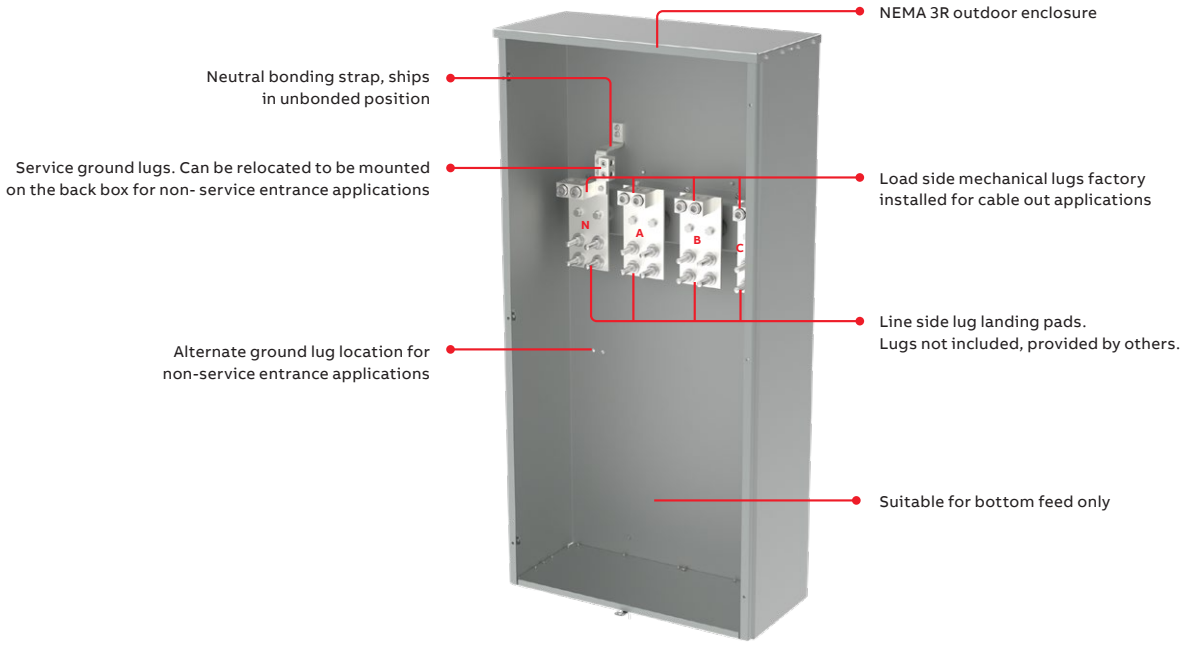
## Construction details

### Construction Details: Main Lug Feed Through Modules 1200A-2000A in 1-Phase and 3-Phase models




RMM3L12RFTL shown

### Construction Details: Pull Boxes Available in 400A, 800A, and 1200A Models in both 1-Phase and 3-Phase for cable in, cable out applications. No horizontal cross bus.




RMM3P8R shown

# ReliaMod® modular metering

## Main breaker modules

1600A MCB Module:
RMM1BB16RL

2000A MCB Module:
RMM1BB20RL

### MAIN BREAKER MODULES: 1-PHASE 3 WIRE 120/240VAC, LUGS INCLUDED

| Main ampere rating | kAIC | Main breaker frame | Breaker trip unit | Wire entry | Incoming lug sizes per phase & neutral (AWG/kcmil Cu/Al) | Service ground/ equipment ground (AWG/kcmil Cu/Al) | Ordering code |
|---|---|---|---|---|---|---|---|
| 400 | 65 | XT5N | TMA | Top/Bottom | (2) 2/0 - 500 | (2) #6-350 | RMM1BL4R[3] |
| | 100 | XT5S | | | | | RMM1BH4R[3] |
| 600 | 65 | XT5N | | | (2) 2/0 - 500 | (2) #6-350 | RMM1BL6R[3] |
| | 100 | XT5S | | | | | RMM1BH6R[3] |
| 800 | 65 | XT6N | | | (3) 2/0 - 400 | (2) #6-350 | RMM1BL8R[3] |
| | 100 | XT6S | | | | | RMM1BH8R[3] |
| 1000 | 65 | XT7S | Ekip Dip LS/I | | (4) 4/0 - 500 | (2) #6-350 | RMM1BL10R[3] |
| | 100 | XT7H | | | | | RMM1BH10R[3] |
| 1200 | 100 | T8V | PR332/P LSI | Bottom | Landing pad has provisions for double hole lugs up to (6) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (2) #6-350 | RMM1BB12RCLL[1,2] |
| | 65 | XT7S | Ekip Touch LSI | Top/Bottom | (4) 4/0 - 500 | | RMM1BL12R[1,3] |
| | 100 | XT7H | | | | | RMM1BH12R[1,3] |
| 1400 | 100 | T8V | PR332/P LSI | Bottom | Landing pad has provisions for double hole lugs up to (6) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (2) #6-350 | RMM1BB14RCLL[1,2] |
| | | | | | (6) 1/0 - 750 | | RMM1BB14RL[1,4] |
| | | | | Top | (4) 1/0 - 750 | | RMM1BT14R[1,5] |
| 1600 | | | | Bottom | Landing pad has provisions for double hole lugs up to (6) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (2) #6-350 | RMM1BB16RCLL[1,2] |
| | | | | | (6) 1/0 - 750 | | RMM1BB16RL[1,4] |
| | | | | Top | (4) 1/0 - 750 | | RMM1BT16R[1,5] |
| 2000 | | | | Bottom | Landing pad has provisions for double hole lugs up to (6) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (2) #6-350 | RMM1BB20RCLL[1,2] |
| | | | | | (6) 1/0 - 750 | | RMM1BB20RL[1,4] |

**Note:** Please click on any specific ReliaMod® ordering code with a hyperlink to be taken to the respective outline drawing/spec sheet for the product to view additional technical details.

[1]RELT included.
[2]Lug landing pad only. Mechanical lugs may be fastened to the landing pads. Order kit RMMMECHKIT750, which contains (4) 500-750 kcmil lugs, (AL/Cu), 1 cable per lug.
[3]For XT5 and XT6 frame main modules, order kits RXT5LUGKIT750 and RXT6LUGKIT750, each kit include lugs for (2) 500–750 kcmil Cu/Al cables per phase and neutral. For XT7 frame main modules, order RXT7LUGKIT750, which includes lugs for (3) 500–750 kcmil Cu/Al cables per phase and neutral.
[4]This main breaker module comes with (6) cable mechanical lugs per phase and neutral that accept (6) 1/0-750 kcmil Cu/Al cables.
[5]This main breaker module comes with (4) cable mechanical lugs per phase and neutral that accept (4) 1/0-750 kcmil Cu/Al cables. This unit is more economical than a (6) cable lug model. However, please confirm these lugs meets your project requirements as there is no lug kit to change the lugs in the field once this item ships. If you require lugs that accept 5 or 6 cables per phase and neutral, please select the alternate version of this main module per footnote 4.

# ReliaMod® modular metering

## Main breaker modules

1600A MCB Module: RMM3BB16RL

2000A MCB Module: RMM3BB20RL

### MAIN BREAKER MODULES: 3-PHASE 4 WIRE 208Y/120VAC OR 120/240V DELTA HI-LEG, LUGS INCLUDED

| Main ampere rating | kAIC | Main breaker frame | Breaker trip unit | Wire entry | Incoming lug sizes per phase & neutral (AWG/kcmil Cu/Al) | Service ground/ equipment ground (AWG/kcmil Cu/Al) | Ordering code |
|---|---|---|---|---|---|---|---|
| 400 | 65 | XT5N | TMA | Top/Bottom | (2) 2/0 - 500 | (2) #6-350 | RMM3BL4R[3] |
| | 100 | XT5S | | | | | RMM3BH4R[3] |
| 600 | 65 | XT5N | | | (2) 2/0 - 500 | (2) #6-350 | RMM3BL6R[3] |
| | 100 | XT5S | | | | | RMM3BH6R[3] |
| 800 | 65 | XT6N | | | (3) 2/0 - 400 | (2) #6-350 | RMM3BL8R[3] |
| | 100 | XT6S | | | | | RMM3BH8R[3] |
| 1000 | 65 | XT7S | Ekip Dip LS/I | | (4) 4/0 - 500 | (2) #6-350 | RMM3BL10R[3] |
| | 100 | XT7H | | | | | RMM3BH10R[3] |
| 1200 | 100 | T8V | PR332/P LSI | Bottom | Landing pad has provisions for double hole lugs up to (6) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (2) #6-350 | RMM3BB12RCLL[1,2] |
| | 65 | XT7S | Ekip Touch LSI | Top/Bottom | (4) 4/0 - 500 | | RMM3BL12R[1,3] |
| | 100 | XT7H | | | | | RMM3BH12R[1,3] |
| 1400 | 100 | T8V | PR332/P LSI | Bottom | Landing pad has provisions for double hole lugs up to (6) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (2) #6-350 | RMM3BB14RCLL[1,2] |
| | | | | | (6) 1/0 - 750 | | RMM3BB14RL[1,4] |
| | | | | Top | (4) 1/0 - 750 | | RMM3BT14R[1,5] |
| 1600 | | | | Bottom | Landing pad has provisions for double hole lugs up to (6) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (2) #6-350 | RMM3BB16RCLL[1,2] |
| | | | | | (6) 1/0 - 750 | | RMM3BB16RL[1,4] |
| | | | | Top | (4) 1/0 - 750 | | RMM3BT16R[1,5] |
| 2000 | | | | Bottom | Landing pad has provisions for double hole lugs up to (6) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (2) #6-350 | RMM3BB20RCLL[1,2] |
| | | | | | (6) 1/0 - 750 | | RMM3BB20RL[1,4] |

**Note:** Please click on any specific ReliaMod® ordering code with a hyperlink to be taken to the respective outline drawing/spec sheet for the product to view additional technical details.

[1]RELT included.
[2]Lug landing pad only. Mechanical lugs may be fastened to the landing pads. Order kit RMMMECHKIT750, which contains (4) 500-750 kcmil lugs, (AL/Cu), 1 cable per lug.
[3]For XT5 and XT6 frame main modules, order kits RXT5LUGKIT750 and RXT6LUGKIT750, each kit include lugs for (2) 500–750 kcmil Cu/Al cables per phase and neutral. For XT7 frame main modules, order RXT7LUGKIT750, which includes lugs for (3) 500–750 kcmil Cu/Al cables per phase and neutral.
[4]This main breaker module comes with (6) cable mechanical lugs per phase and neutral that accept (6) 1/0-750 kcmil Cu/Al cables.
[5]This main breaker module comes with (4) cable mechanical lugs per phase and neutral that accept (4) 1/0-750 kcmil Cu/Al cables. This unit is more economical than a (6) cable lug model. However, please confirm these lugs meets your project requirements as there is no lug kit to change the lugs in the field once this item ships. If you require lugs that accept 5 or 6 cables per phase and neutral, please select the alternate version of this main module per footnote 4.

# ReliaMod® modular metering

## EUSERC main breaker modules

800A MCB Module:
RMM3BEL8R

### EUSERC MAIN BREAKER: W/ PULL BOX, 1-PHASE 3 WIRE 120/240VAC[1,2,4]

| Main ampere rating | kAIC | Main breaker frame | Breaker trip unit | Wire entry | Incoming lug sizes per phase & neutral (AWG/kcmil Cu/Al) | Service ground/ equipment ground (AWG/kcmil Cu/Al) | Ordering code |
|---|---|---|---|---|---|---|---|
| 400 | 65 | XT5N | TMA | Bottom | Landing pad has provisions for double hole lugs up to (1) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (2) #6-350 | RMM1BEL4R |
| | 100 | XT5S | | | | | RMM1BEH4R |
| 600 | 65 | XT5N | | | Landing pad has provisions for double hole lugs up to (2) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | | RMM1BEL6R |
| | 100 | XT5S | | | | | RMM1BEH6R |
| 800 | 65 | XT6N | | | | | RMM1BEL8R |
| | 100 | XT6S | | | | | RMM1BEH8R |
| 1000 | 65 | XT7S | Ekip Dip LS/I | | Landing pad has provisions for double hole lugs up to (3) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | | RMM1BEL10R |
| | 100 | XT7H | | | | | RMM1BEH10R |
| 1200 | 65 | XT7S | Ekip Touch LSI | | | | RMM1BEL12R[3] |
| | 100 | XT7H | | | | | RMM1BEH12R[3] |

1200A MCB Module:
RMM3BEL12R

### EUSERC MAIN BREAKER: W/ PULL BOX, 3-PHASE 4 WIRE 208Y/120VAC OR 3-PHASE 4 WIRE 120/240VAC DELTA HI-LEG[1,2,4]

| Main ampere rating | kAIC | Main breaker frame | Breaker trip unit | Wire entry | Incoming lug sizes per phase & neutral (AWG/kcmil Cu/Al) | Service ground/ equipment ground (AWG/kcmil Cu/Al) | Ordering code |
|---|---|---|---|---|---|---|---|
| 400 | 65 | XT5N | TMA | Bottom | Landing pad has provisions for double hole lugs up to (1) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (2) #6-350 | RMM3BEL4R |
| | 100 | XT5S | | | | | RMM3BEH4R |
| 600 | 65 | XT5N | | | Landing pad has provisions for double hole lugs up to (2) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | | RMM3BEL6R |
| | 100 | XT5S | | | | | RMM3BEH6R |
| 800 | 65 | XT6N | | | | | RMM3BEL8R |
| | 100 | XT6S | | | | | RMM3BEH8R |
| 1000 | 65 | XT7S | Ekip Dip LS/I | | Landing pad has provisions for double hole lugs up to (3) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | | RMM3BEL10R |
| | 100 | XT7H | | | | | RMM3BEH10R |
| 1200 | 65 | XT7S | Ekip Touch LSI | | | | RMM3BEL12R[3] |
| | 100 | XT7H | | | | | RMM3BEH12R[3] |

[1]These main breaker modules conform to EUSERC drawings 315, 345, and 347. However, for EUSERC applications please check with local utility requirements to ensure the pull box meets their specific dimensional requirements. Some specific EUSERC utilities or applications may require you to use a commercial metering switchboard or another type of solution other than these main breaker modules.

[2]Please click on any specific ReliaMod® ordering code with a hyperlink to be taken to the respective outline drawing/spec sheet for the product to view additional technical details.

[3]RELT included.

[4]Mechanical lugs may be fastened to all incoming landing pads. Order kit RMMMECHKIT2750, which contains (4) 500-750 kcmil lugs, (AL/Cu), 2 cable per lug.

# ReliaMod® modular metering

## Main breaker trip unit summary

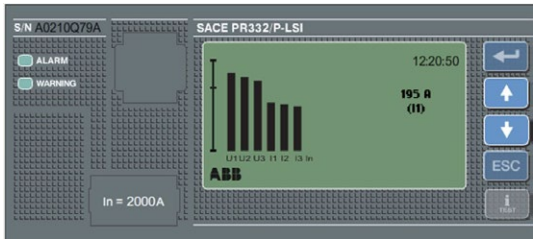
Below is a summary of the trip units that will come in any main breaker module available in the ReliaMod® modular metering offering.

### RELIAMOD® MAIN BREAKER MODULE TRIP UNIT DATA

| Main breaker frame | Amperage | Poles | kAIC @ 240V | Trip unit |
|---|---|---|---|---|
| T8V | 1400A-2000A | 2 and 3 | 100 | PR332/P LSI[1] |
| XT7S | 1200A | | 65 | Ekip Touch LSI[1] |
| XT7H | | | 100 | |
| XT7S | 1000A | | 65 | Ekip Dip LS/I |
| XT7H | | | 100 | |
| XT6N | 800A | | 65 | TMA |
| XT6S | | | 100 | |
| XT5N | 400A-600A | | 65 | TMA |
| XT5S | | | 100 | |

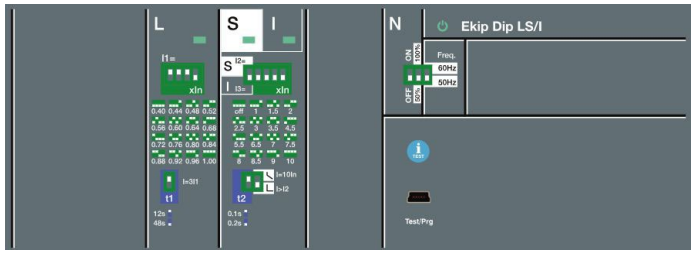
[1]All 1200A and above breaker trip units will automatically be provided with Arc Reduction (RELT) to comply with NEC 240.87.

**SACE PR332/P LSI Trip Unit in T8V 1400A-2000A Frame Main Breaker Modules (RELT Included) Breaker is LSI only. Ground Fault not included.**

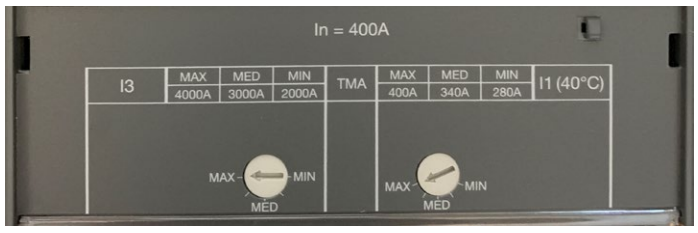



**Ekip Touch LSI Trip Unit in Tmax XT7 Frame in 1200A Main Breaker Modules (RELT Included)**

**Ekip Dip LS/I Trip Unit in Tmax XT7 1000A Main Breaker Modules Only**




**Thermal Magnetic Adjustable (TMA) Trip Unit in Tmax XT5 400A-600A and XT6 800A Frame Main Breaker Modules**



## ReliaMod® modular metering

Thermal magnetic adjustable (TMA) trip units

All 400A and 600A breakers in the ReliaMod® offering will be the Tmax XT5 TMA frame breaker and all 800A breakers in the ReliaMod® offering will be the Tmax XT6 TMA frame breaker. This includes both main breaker modules and tenant mains in 400A meter stacks. While these Tmax XT breakers do not have rating plugs to adjust trip ratings, the TMA trip unit does have some level of adjustability.

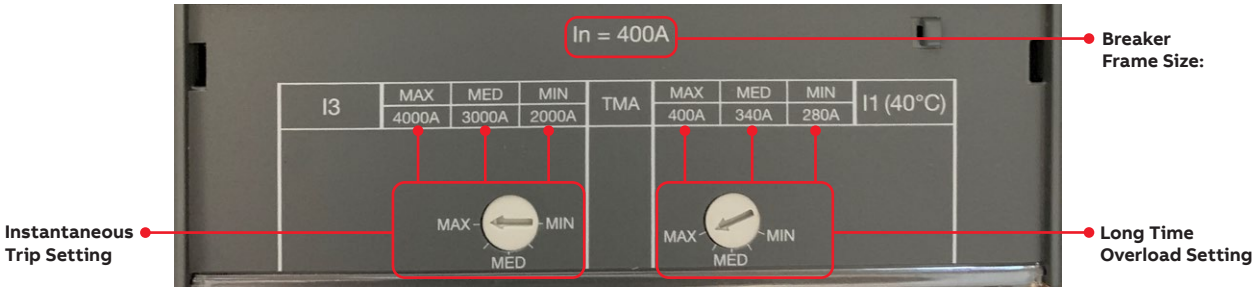
Tmax XT breakers with TMA (Thermal Mag Adjustable) trip units have an adjustable long time overload protection setting of Max, Medium, and Min. The Max setting is the breaker frame rating. So if you have a 400A XT5 breaker at max, the long-time overload is 400A. From there, you go down 15% from the 400A max to get the Medium setting. And then down 30% from the 400A max to get the minimum setting.

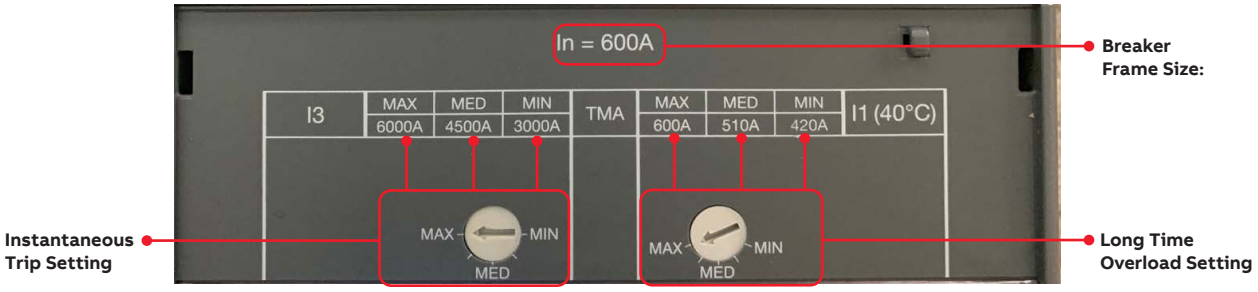
### EXAMPLES

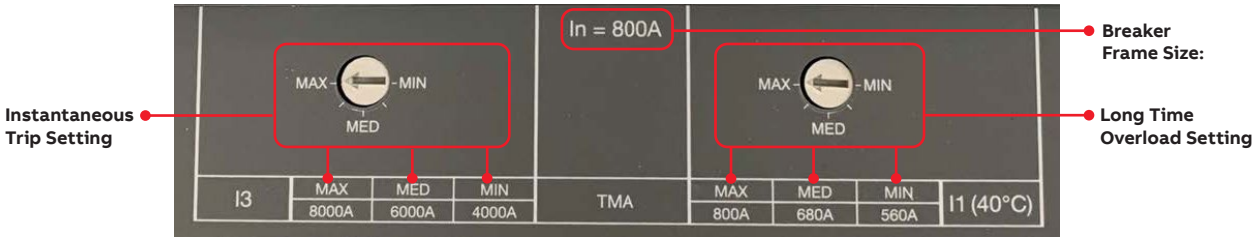
**800A XT6 Frame TMA Breaker**
Long Time Overload Setting:
**Max:** 800A
**Med:** 680A
**Min:** 560A

**600A XT5 Frame TMA Breaker**
Long Time Overload Setting:
**Max:** 600A
**Med:** 510A
**Min:** 420A

**400A XT5 Frame TMA Breaker**
Long Time Overload Setting:
**Max:** 400A
**Med:** 340A
**Min:** 280A



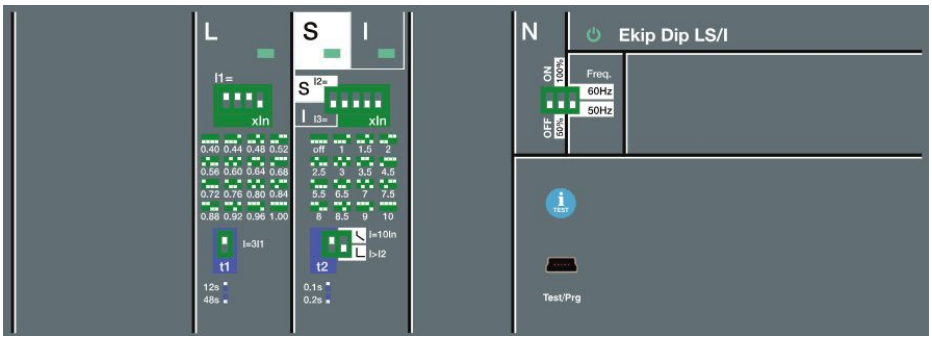
# ReliaMod® modular metering

## Ekip Dip LS/I and Ekip Dip Touch LSI adjustable trip units

**Ekip Dip LS/I adjustable trip unit (on all 1000A ReliaMod® main breaker modules)**
All ReliaMod® 1000A main breaker modules come with a 1000A XT7 frame circuit breaker with Ekip Dip LS/I trip unit. This trip unit has an adjustable long-time overload setting that can be adjusted via dip switches on the face of the trip unit. With this trip unit on the XT7 1000A frame, the adjustability options of the long-time overload
are as follows:
1000A, 960A, 920A, 880A, 840A, 800A, 760A, 720A, 680A, 640A, 600A, 560A, 520A, 480A, 440A, 400A

For more information, please refer to the ABB circuit breaker trip simulator at:

https://new.abb.com/low-voltage/products/circuit-breakers/trip-unit-simulator



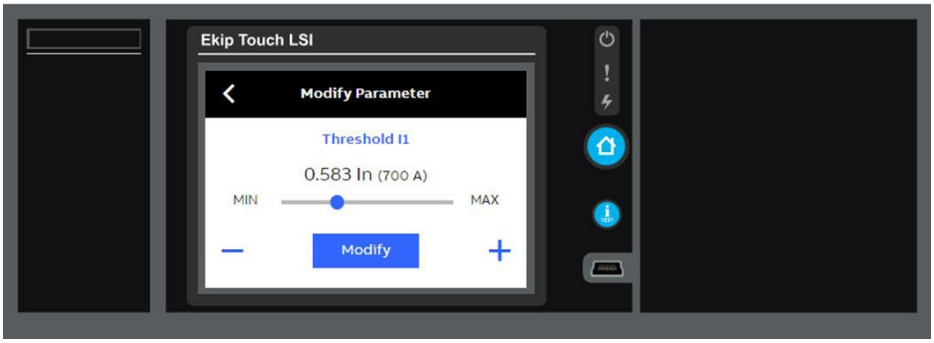

**Ekip Touch LSI adjustable trip unit (on all 1200A ReliaMod® main breaker modules)**
All ReliaMod® 1200A main breaker modules come with a 1200A XT7 frame circuit breaker with a digital Ekip Touch LSI trip unit and RELT. This trip unit has fully adjustable and independent long-time, short-time, and instantaneous protection settings. The adjustable long-time overload setting can be adjusted in increments of 0.001 times the frame size of the breaker (1200A for ReliaMod®) down to a minimum of 40% or 0.4 of the frame size.

For example:

- A 1200A Frame XT7 breaker with Ekip Touch trip unit can have its long-time overload setting adjusted down to 0.583 to achieve a 700A rating: 0.583 * 1200A frame = 700A

This gives you maximum adjustably of the long-time overload setting.

For more information, please refer to the ABB circuit breaker trip simulator at:
https://new.abb.com/low-voltage/products/circuit-breakers/trip-unit-simulator



# ReliaMod® modular metering

## PR332/P LSI adjustable trip units

**PR332/P LSI adjustable trip unit (on all 1400A, 1600A, and 2000A ReliaMod® main breaker modules)**
All ReliaMod® 1400A, 1600A, and 2000A main breaker modules come with a T8 frame circuit breaker with a digital PR332/P LSI trip unit and RELT. This trip unit has fully adjustable and independent long-time, short-time, and instantaneous protection settings. The adjustable long-time overload setting can be adjusted in increments of 0.01 times the frame size of the breaker (1600A or 2000A for ReliaMod®) down to a minimum of 40% or 0.4 of the frame size.

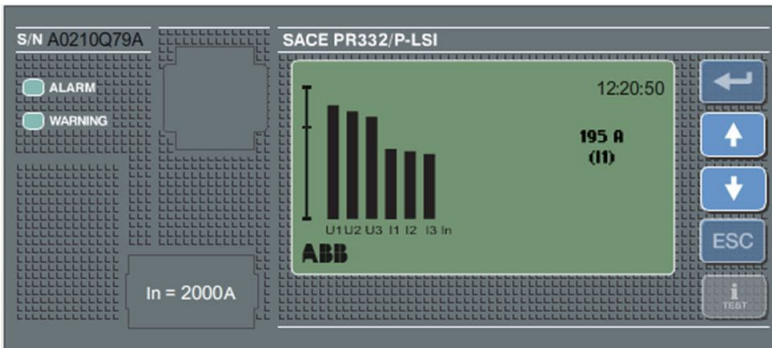
For example:

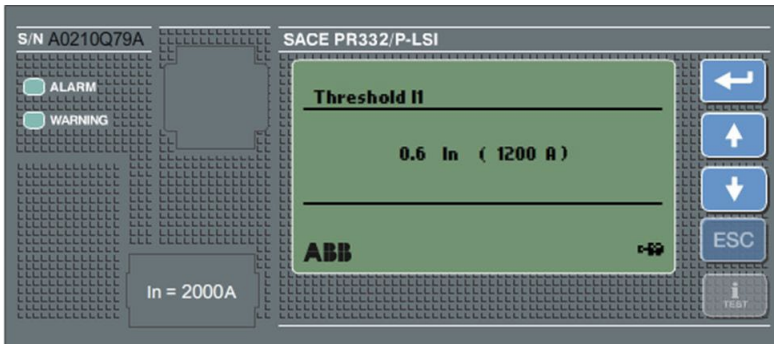
- A 2000A Frame T8 breaker with PR332/P LSI trip unit can have its long-time overload setting adjusted down to 0.6 to achieve a 1200A rating: 0.6 * 2000A frame = 1200A
- A 1600A Frame T8 breaker with PR332/P LSI trip unit can have its long-time overload setting adjusted down to 0.75 to achieve a 1200A rating: 0.75 * 1600A frame = 1200A

This gives you maximum adjustably of the long-time overload setting.

For more information, please refer to the ABB XT circuit breaker trip simulator at:

https://new.abb.com/low-voltage/products/circuit-breakers/tmax/trip-unit-simulator-xt



# ReliaMod® modular metering

## Main fusible switch modules

ReliaMod® main fusible switch modules include a UL489 molded case switch for on/off function and provisions for Class T fuses for overcurrent protection. Class T fuses are not included and are to be provided and installed by others.

**Note:** Please click on any specific ReliaMod® ordering code with a hyperlink to be taken to the respective outline drawing/spec sheet for the product to view additional technical details.

600A MFS Module: RMM3F6R

### MAIN FUSIBLE SWITCH: 1-PHASE 3 WIRE 120/240VAC, LUGS INCLUDED, CLASS T FUSES NOT INCLUDED, ORDER SEPARATELY.

| Main ampere rating | kAIC | Fuse class | Fusible switch frame | Wire entry | Incoming lug sizes per phase & neutral (AWG/kcmil Cu/Al) | Service ground/ equipment ground (AWG/kcmil Cu/Al) | Ordering code |
|---|---|---|---|---|---|---|---|
| 400 | 100 | Class T Only | XT5-D | Top/Bottom | (2) 2/0 - 500 | (2) #6-350 | RMM1F4R |
| 600 | | | XT6-D | | (3) 2/0 - 400 | | RMM1F6R |
| 800 | | | XT7-D | | (4) 4/0 - 500 | | RMM1F8R[1] |

### MAIN FUSIBLE SWITCH: 3-PHASE 4 WIRE 208Y/120VAC OR 3-PHASE 4 WIRE 120/240VAC DELTA HI-LEG, LUGS INCLUDED, CLASS T FUSES NOT INCLUDED, ORDER SEPARATELY.

| Main ampere rating | kAIC | Fuse class | Fusible switch frame | Wire entry | Incoming lug sizes per phase & neutral (AWG/kcmil Cu/Al) | Service ground/ equipment ground (AWG/kcmil Cu/Al) | Ordering code |
|---|---|---|---|---|---|---|---|
| 400 | 100 | Class T Only | XT5-D | Top/Bottom | (2) 2/0 - 500 | (2) #6-350 | RMM3F4R |
| 600 | | | XT6-D | | (3) 2/0 - 400 | | RMM3F6R |
| 800 | | | XT7-D | | (4) 4/0 - 500 | | RMM3F8R[1] |

800A MFS Module: RMM3FE8RCLL

### EUSERC MAIN FUSIBLE SWITCH W/ PULL BOX: 1-PHASE 3 WIRE 120/240VAC, CLASS T FUSES NOT INCLUDED, ORDER SEPARATELY[2]

| Main ampere rating | kAIC | Fuse class | Fusible switch frame | Wire entry | Incoming lug sizes per phase & neutral (AWG/kcmil Cu/Al) | Service ground/ equipment ground (AWG/kcmil Cu/Al) | Ordering code |
|---|---|---|---|---|---|---|---|
| 400 | 100 | Class T Only | XT5-D | Bottom | Lug landing pad accepts up to 1 wire landings per phase & neutral. Lugs not included, to be provided by others. | (2) #6-350 | RMM1FE4RCLL |
| 600 | | | XT6-D | | Lug landing pad accepts up to 2 wire landings per phase & neutral. Lugs not included, to be provided by others. | | RMM1FE6RCLL |
| 800 | | | XT7-D | | | | RMM1FE8RCLL |

### EUSERC MAIN FUSIBLE SWITCH W/ PULL BOX: 3-PHASE 4 WIRE, 208Y/120VAC OR 3-PHASE 4 WIRE 120/240VAC DELTA HI-LEG, CLASS T FUSES NOT INCLUDED, ORDER SEPARATELY[2]

| Main ampere rating | kAIC | Fuse class | Fusible switch frame | Wire entry | Incoming lug sizes per phase & neutral (AWG/kcmil Cu/Al) | Service ground/ equipment ground (AWG/kcmil Cu/Al) | Ordering code |
|---|---|---|---|---|---|---|---|
| 400 | 100 | Class T Only | XT5-D | Bottom | Lug landing pad accepts up to 1 wire landings per phase & neutral. Lugs not included, to be provided by others. | (2) #6-350 | RMM3FE4RCLL |
| 600 | | | XT6-D | | Lug landing pad accepts up to 2 wire landings per phase & neutral. Lugs not included, to be provided by others. | | RMM3FE6RCLL |
| 800 | | | XT7-D | | | | RMM3FE8RCLL |

[1]For larger 600-750 kcmil lugs on an XT7 frame main module, please order RXT7LUGKIT750. This kit will include mechanical lugs to accommodate (3) 500-750 kcmil Cu/Al cables per phase and neutral.

[2]These main fusible modules conform to EUSERC drawings 315, 345, and 347. However, for EUSERC applications please check with local utility requirements to make sure the pull box meets their specific dimensional requirements. Some specific EUSERC utilities or applications may require you to use a commercial metering switchboard or another type of solution other than these main breaker modules.

# ReliaMod® modular metering

## Main lug modules[1,2]

600A MLO Module:
RMM3L6R

### MAIN LUG MODULES: 1-PHASE 3 WIRE 120/240VAC, LUGS INCLUDED

| Main ampere rating | kAIC | Wire entry | Incoming lug sizes per phase & neutral (AWG/kcmil Cu/Al) | Service ground/equipment ground (AWG/kcmil Cu/Al) | Ordering code |
|---|---|---|---|---|---|
| 400 | 100 | Top/Bottom | (1) 2/0-600 or (2) 2/0 – 250 and (1) 6-250 | (2) #6-350 | RMM1L4R[3] |
| 600 | | | (2) 250-750 or (4) 3/0 - 250 | | RMM1L6R[3] |
| 800 | | | (3) 250-750 or (6) 3/0-250 | | RMM1L8R[3] |
| 1200 | | | (3) 250-750 or (6) 3/0-250 | | RMM1L12R[3] |
| 1600 | | | (8) 250-750 or (16) 3/0-250 | | RMM1L16R[3] |
| 2000 | | | (8) 250-750 or (16) 3/0 - 250 | | RMM1L20R[3] |

### MAIN LUG MODULES: 3-PHASE 4 WIRE 208Y/120VAC OR 3-PHASE 4 WIRE 120/240VAC DELTA HI-LEG, LUGS INCLUDED

| Main ampere rating | kAIC | Wire entry | Incoming lug sizes per phase & neutral (AWG/kcmil Cu/Al) | Service ground/equipment ground (AWG/kcmil Cu/Al) | Ordering code |
|---|---|---|---|---|---|
| 400 | 100 | Top/Bottom | (1) 2/0-600 or (2) 2/0 – 250 or (1) 6-250 | (2) #6-350 | RMM3L4R[3] |
| 600 | | | (2) 250-750 or (4) 3/0 - 250 | | RMM3L6R[3] |
| 800 | | | (3) 250-750 or (6) 3/0-250 | | RMM3L8R[3] |
| 1200 | | | (3) 250-750 or (6) 3/0-250 | | RMM3L12R[3] |
| 1600 | | | (8) 250-750 or (16) 3/0-250 | | RMM3L16R[3] |
| 2000 | | | (8) 250-750 or (16) 3/0 - 250 | | RMM3L20R[3] |

1200A MLO
Feed Through Module:
RMM3L12RFTL

### MAIN LUG MODULES WITH FEED THROUGH LUGS: 1-PHASE 3 WIRE 120/240VAC, LUGS INCLUDED

| Main ampere rating | kAIC | Wire entry | Incoming line lug sizes per phase & neutral (AWG/kcmil Cu/Al) | Outgoing load lugs per phase & neutral (AWG/kcmil Cu/Al) | Service ground/ equipment ground (AWG/kcmil Cu/Al) | Ordering code |
|---|---|---|---|---|---|---|
| 1200 | 100 | Top/ Bottom | (5) 250-750 or (10) 3/0 - 250 | (5) 250-750 or (10) 3/0 - 250 | (4) #6-350 | RMM1L12RFTL[3] |
| 1600 | | | (8) 250-750 or (16) 3/0 - 250 | (8) 250-750 or (16) 3/0 - 250 | | RMM1L16RFTL[3] |
| 2000 | | | (8) 250-750 or (16) 3/0 - 250 | (8) 250-750 or (16) 3/0 - 250 | | RMM1L20RFTL[3] |

### MAIN LUG MODULES WITH FEED THROUGH LUGS: 3-PHASE 4 WIRE 208Y/120VAC OR 3-PHASE 4 WIRE 120/240VAC DELTA HI-LEG, LUGS INCLUDED

| Main ampere rating | kAIC | Wire entry | Incoming line lug sizes per phase & neutral (AWG/kcmil Cu/Al) | Outgoing load lugs per phase & neutral (AWG/kcmil Cu/Al) | Service ground/ equipment ground (AWG/kcmil Cu/Al) | Ordering code |
|---|---|---|---|---|---|---|
| 1200 | 100 | Top/ Bottom | (5) 250-750 or (10) 3/0 - 250 | (5) 250-750 or (10) 3/0 - 250 | (4) #6-350 | RMM3L12RFTL[3] |
| 1600 | | | (8) 250-750 or (16) 3/0 - 250 | (8) 250-750 or (16) 3/0 - 250 | | RMM3L16RFTL[3] |
| 2000 | | | (8) 250-750 or (16) 3/0 - 250 | (8) 250-750 or (16) 3/0 - 250 | | RMM3L20RFTL[3] |

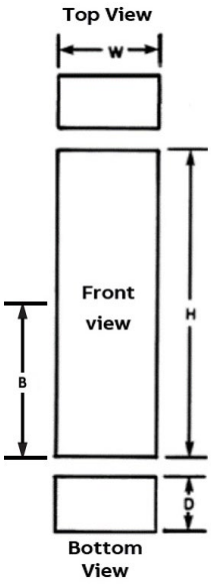
[1]If you are using any type of ABB ReliaMod® main lug module in a service entrance application, you will need to have a main disconnect in front of it to comply with NEC 2020 service disconnect barrier and finger safe requirements. ABB ReliaMod® meter stacks do not have barriers between tenant breakers nor finger safe barriers for the line side of the tenant breakers.

[2]Please click on any specific ReliaMod® ordering code with a hyperlink to be taken to the respective outline drawing/spec sheet for the product to view additional technical details.

[3]All incoming/outgoing factory installed equipment ground lugs may be up sized. Order kit RMMGNDKIT350 (#6-350 kcmil lugs, AL/Cu) or RMMGNDKIT600 ( 2/0-600 kcmil lugs, AL/Cu) for oversized cabling. The kits are supplied with (4) lugs each and a mounting bracket. See instruction guide 1TQC133000E0060 which provides the recommended lug kit for each MLO or MLO/FTL main module and mounting instructions.

# ReliaMod® modular metering

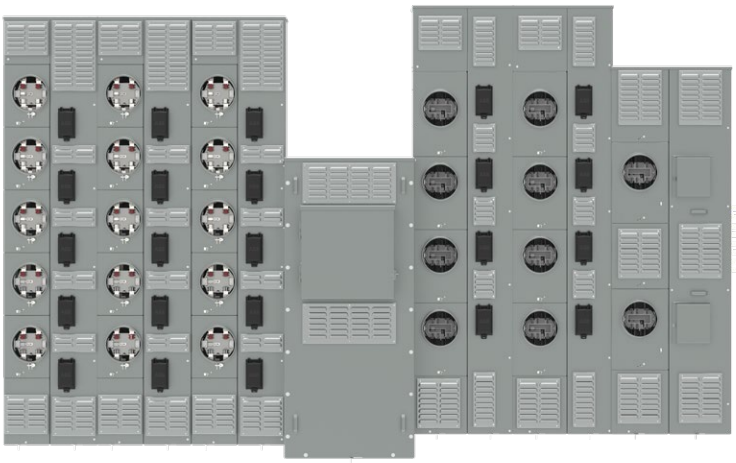
## Main module dimensions




B = bus centerline height

### MAIN MODULE DIMENSIONAL DATA

| Main module type | Breaker/ switch frame | Ampere rating | Design | Dimensions W (in) | H (in) | D (in) | B = bus centerline height (in) |
|---|---|---|---|---|---|---|---|
| Main Circuit Breaker (MCB) | XT5 | 400A | Standard | 20.32 | 47.95 | 11.22 | 27.1 |
| | | | EUSERC, Lug Landing Pad Model | 20.32 | 60.28 | 11.22 | 42.5 |
| | | 600A | Standard | 20.32 | 47.95 | 11.22 | 27.1 |
| | | | EUSERC, Lug Landing Pad Model | 25.05 | 60.28 | 11.22 | 43.3 |
| | XT6 | 800A | Standard | 20.32 | 47.95 | 11.22 | 27.1 |
| | | | EUSERC, Lug Landing Pad Model | 25.05 | 60.28 | 11.22 | 43.3 |
| | XT7 | 1000A | Standard | 20.32 | 47.95 | 11.22 | 27.1 |
| | | | EUSERC, Lug Landing Pad Model | 33.60 | 60.46 | 11.99 | 44.5 |
| | | 1200A | Standard | 20.32 | 47.95 | 11.22 | 27.1 |
| | | | EUSERC, Lug Landing Pad Model | 33.60 | 60.46 | 11.99 | 44.5 |
| | T8 | 1200A | Lug Landing Pad Model | 38.13 | 60.63 | 24.43 | 44.7 |
| | | 1400A | Standard - 4 Cable Lug, Bottom Feed | 25.12 | 57.10 | 14.89 | 40.7 |
| | | | Standard - 4 Cable Lug, Top Feed | 25.12 | 59.15 | 14.89 | 20.4 |
| | | | Standard - 6 Cable Lug, Bottom Feed | 25.12 | 57.10 | 15.21 | 40.7 |
| | | | Lug Landing Pad Model | 38.29 | 60.63 | 24.17 | 44.7 |
| | | 1600A | Standard - 4 Cable Lug, Bottom Feed | 25.12 | 57.10 | 14.89 | 40.7 |
| | | | Standard - 4 Cable Lug, Top Feed | 25.12 | 59.15 | 14.89 | 20.4 |
| | | | Standard - 6 Cable Lug, Bottom Feed | 25.12 | 57.10 | 15.21 | 40.7 |
| | | | Lug Landing Pad Model | 38.29 | 60.63 | 24.17 | 44.7 |
| | | 2000A | Standard - Bottom Feed | 38.29 | 60.63 | 24.17 | 44.7 |
| Main Fusible Switch (MFS) | XT5 | 400A | Standard | 20.32 | 47.95 | 11.22 | 23.1 |
| | | | EUSERC, Lug Landing Pad Model | 20.32 | 60.28 | 11.22 | 39.5 |
| | XT6 | 600A | Standard | 20.32 | 54.88 | 12.68 | 27.1 |
| | | | EUSERC, Lug Landing Pad Model | 25.05 | 65.18 | 13.03 | 44.8 |
| | XT7 | 800A | Standard | 20.32 | 54.88 | 12.68 | 26.1 |
| | | | EUSERC, Lug Landing Pad Model | 25.05 | 65.18 | 13.03 | 42.4 |
| Main Lug Only (MLO) | NA | 400A | Standard | 13.75 | 47.97 | 6.50 | 24.1 |
| | | 600A | Standard | 16.72 | 47.94 | 6.50 | 25.7 |
| | | 800A | Standard | 20.32 | 47.94 | 11.22 | 27.1 |
| | | 1200A | Standard | 20.32 | 47.94 | 11.22 | 27.1 |
| | | | Feed thru | 28.80 | 60.92 | 11.82 | 30.6 |
| | | 1600A | Standard | 33.14 | 60.83 | 17.67 | 30.5 |
| | | | Feed thru | 33.14 | 60.83 | 17.67 | 30.5 |
| | | 2000A | Standard | 33.14 | 60.83 | 17.67 | 30.5 |
| | | | Feed thru | 33.14 | 60.83 | 17.67 | 30.5 |



# ReliaMod® modular metering

## Main pull box modules[1,2,3,4]

400A Pull Box Module: RMM3P4R

### MAIN PULL BOX MODULE: 1-PHASE 3 WIRE 120/240VAC (HORIZONTAL CROSS BUS NOT INCLUDED)

| Main ampere rating | kAIC | Wire entry | Incoming line lugs per phase & neutral (AWG/kcmil Cu/Al) | Outgoing load lugs per phase & neutral (AWG/kcmil Cu/Al) | Enclosure | Ordering code |
|---|---|---|---|---|---|---|
| 400 | 100 | Bottom | Landing pad has provisions for double hole lugs up to (1) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (1) 250-750 kcmil or (2) 3/0-250 kcmil | N3R Outdoor | RMM1P4R |
| 800 | | | Landing pad has provisions for double hole lugs up to (2) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (2) 250-750 kcmil or (4) 3/0-250 kcmil | | RMM1P8R |
| 1200 | | | Landing pad has provisions for double hole lugs up to (3) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (4) 250-750 kcmil or (8) 3/0-250 kcmil | | RMM1P12R |

800A Pull Box Module: RMM3P8R

### MAIN PULL BOX MODULE: 3-PHASE 4 WIRE 208Y/120VAC OR 3-PHASE 4 WIRE 120/240VAC DELTA HI-LEG (HORIZONTAL CROSS BUS NOT INCLUDED)

| Main ampere rating | kAIC | Wire entry | Incoming line lugs per phase & neutral (AWG/kcmil Cu/Al) | Outgoing load lugs per phase & neutral (AWG/kcmil Cu/Al) | Enclosure | Ordering code |
|---|---|---|---|---|---|---|
| 400 | 100 | Bottom | Landing pad has provisions for double hole lugs up to (1) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (1) 250-750 kcmil or (2) 3/0-250 kcmil | N3R Outdoor | RMM3P4R |
| 800 | | | Landing pad has provisions for double hole lugs up to (2) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (2) 250-750 kcmil or (4) 3/0-250 kcmil | | RMM3P8R |
| 1200 | | | Landing pad has provisions for double hole lugs up to (3) 750 kcmil Cu/Al. Lugs not included, to be provided by others. | (4) 250-750 kcmil or (8) 3/0-250 kcmil | | RMM3P12R |

1200A Pull Box Module: RMM3P12R

### Main pull box module dimensions

### MAIN PULL BOX MODULE: 1-PHASE 3 WIRE 120/240VAC

| Main ampere rating | kAIC | Wire entry | W (in) | H (in) | D (in) | Ordering code |
|---|---|---|---|---|---|---|
| 400 | 100 | Bottom | 16.80 | 43.17 | 7.70 | RMM1P4R |
| 800 | | | 24.86 | 50.46 | 11.32 | RMM1P8R |
| 1200 | | | 32.98 | 54.59 | 11.32 | RMM1P12R |

### MAIN PULL BOX MODULE: 3-PHASE 4 WIRE 208Y/120VAC OR 3-PHASE 4 WIRE 120/240VAC DELTA HI-LEG (HORIZONTAL CROSS BUS NOT INCLUDED)

| Main ampere rating | kAIC | Wire entry | W (in) | H (in) | D (in) | Ordering code |
|---|---|---|---|---|---|---|
| 400 | 100 | Bottom | 16.80 | 43.17 | 7.70 | RMM3P4R |
| 800 | | | 24.86 | 50.46 | 11.32 | RMM3P8R |
| 1200 | | | 32.98 | 54.59 | 11.32 | RMM3P12R |

[1]Pull boxes do not come with horizontal bussing to directly connect to a main section or meter stacks as they are for lug in, lug out applications. Pull boxes include a line side lug landing pad (lugs not included) and load side mechanical lugs. This can be useful for certain utilities that prefer to land their own cables in a separate enclosure and not directly on the line side of a main breaker.

[2]400A and 800A pull box models conform to EUSERC drawings 343 and 347. The 1200A pull box models do not currently meet EUSERC requirements.

[3]Limited to the lowest marked short circuit rating of the main and meter modules used.

[4]Please click on any specific ReliaMod® ordering code with a hyperlink to be taken to the respective outline drawing/spec sheet for the product to view additional technical details.

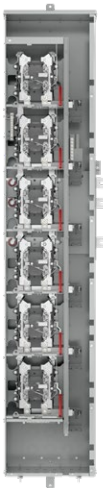
# ReliaMod® modular metering

## Meter stack families and their tenant breakers

ReliaMod® meter stacks are designed to accept certain frames of tenant breakers based on the tenant breaker kAIC being used. For example:

- A ringless 125A socket 6-gang meter stack that is series rated at 65 kAIC to a 1200A XT7 MCB will allow the use of 10 kAIC THQL tenant breakers, which would be a meter stack order code number of RMS28612**L**RLR
- That same ringless 125A socket 6-gang meter stack fully rated at 65 kAIC would utilize TEY tenant breakers, which would be a slightly different meter stack order code number RMS28612**H**RLR

This feature allows ABB meter stacks to be much more flexible in design based on the specific kAIC of the application. It is important to understand your application up front including the specific kAIC needs and which combination of breakers can be series rated. The ABB publication DET008 can assist in selecting the appropriate meter stacks and tenant breakers for the application. The modular metering configurator in ABB empower can assist in the correct product selection. Please see the ReliaMod® meter stack family summary below along with the allowable tenant breaker for each meter stack style.

| 125A residential socket meter stack family | | | 225A residential socket meter stack family | | 225A commercial lever bypass socket meter stack family | 400A commercial lever bypass socket meter stack family |
|---|---|---|---|---|---|---|
|  | | | | | | |
| Lever bypass stack with high bus<br><br>Only accepts THQL tenant breakers 10-22 kAIC[1] | THQL style[3]<br><br>Only accepts THQL tenant breakers 10-22 kAIC[1] | TEY style<br><br>Only accepts ReliaMod® TEY-MM tenant breakers 42-100 kAIC | Formula style<br><br>Only accepts ReliaMod® Formula A1/A2 tenant breakers 10-22 kAIC[2] | XT3/XT4 style<br><br>Only accepts ReliaMod® Tmax XT3/XT4 (TMF) tenant breakers 42-100 kAIC | XT3/XT4 style<br><br>Only accepts ReliaMod® Tmax XT3/XT4 (TMF) tenant breakers 42-100 kAIC | XT5 factory installed<br><br>Tmax XT5 (TMA) 400A 65 kAIC tenant breaker(s) factory installed |
| | | | | | | |
| THQL breaker frame | TEY breaker frame | Formula breaker frame | Tmax XT3/XT4 breaker frame | Tmax XT3/XT4 breaker frame | Tmax XT5 breaker frame | |

[1]Though the tenant breaker provision in these stacks accommodates a 10 or 22 kAIC fully rated THQL/THHQL-RM breaker, you can series rate the breakers within these stacks to 65 or 100 kAIC depending on the breaker combinations you are using. Please refer to the series rating section of the BuyLog or ABB publication DET008 for more info on series rating tenant breakers for ReliaMod®.

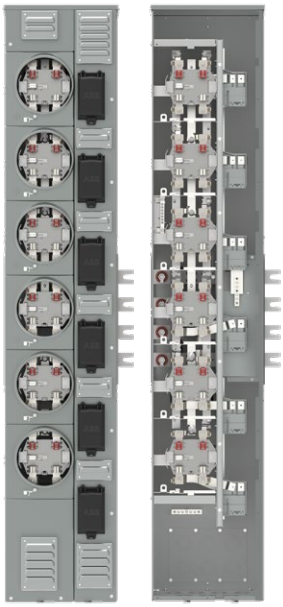
[2]Though the tenant breaker provision in these stacks accommodates a 10 or 22 kAIC fully rated Formula A1 or A2 breaker, you can series rate the breakers within these stacks to 65 or 100 kAIC depending on the breaker combinations you are using. Please refer to the series rating section of the BuyLog or ABB publication DET008 for more info on series rating tenant breakers for ReliaMod®.

[3]Image shown is stack with 1200A horizontal bus. THQL style stack with 800A horizontal bus has less louvers.

# ReliaMod® modular metering

## Meter stack modules - residential

## Product overview



Residential meter stacks consist of 2-6 commonly bussed meter sockets with branch circuit protection. A meter socket secures and provides the electrical connection for the meter. Meter stacks are mechanically and electrically built to connect with main modules and other meter stacks to secure an optimized electrical distribution.

**Features**

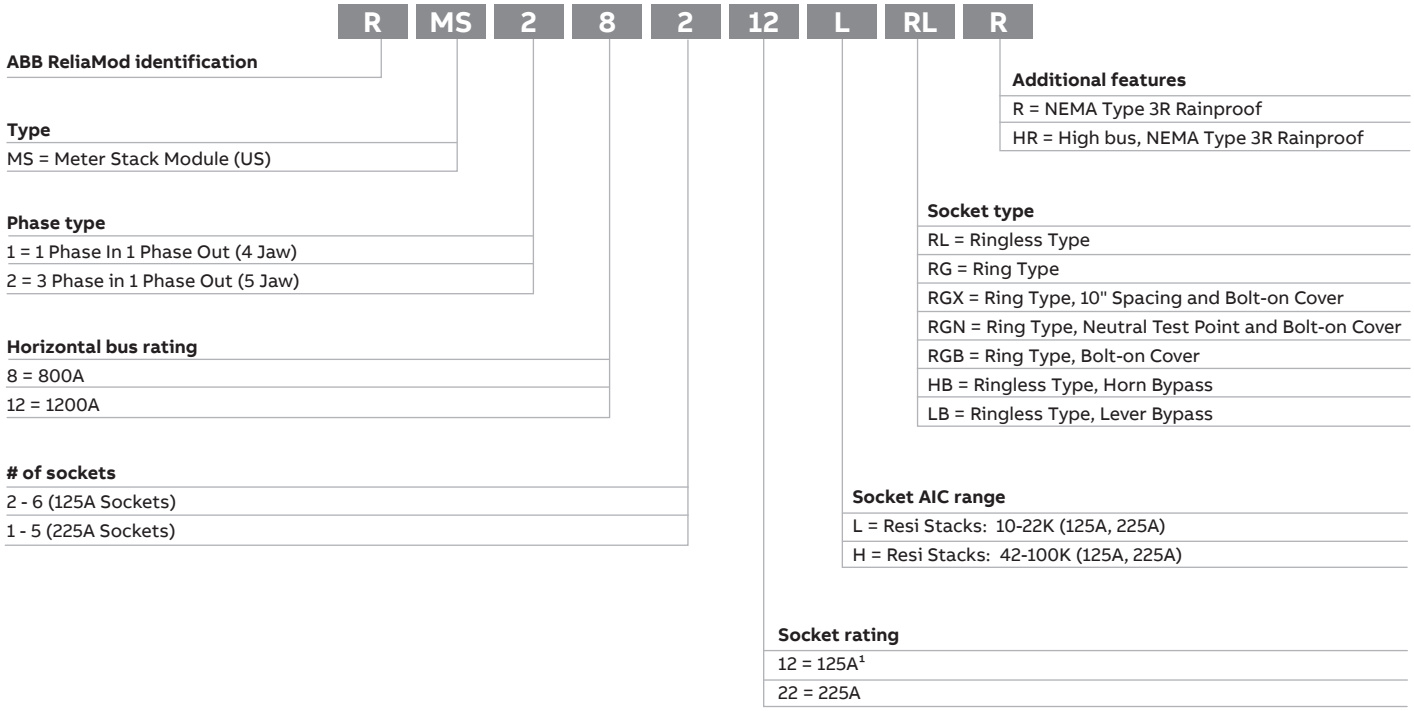
- Best-in-class field phase balancing flexibility is included on all meter sockets.
- ReliaMod® residential sockets are offered in 125A and 225A models. For 400A sockets please refer to ReliaMod® commercial sockets with lever bypass.
- All enclosures are NEMA 3R indoor/ outdoor construction.
  - Ring-type, ringless, ringless with lever bypass, and ringless with horn bypass socket designs are available for residential meter sockets.
- For 5 and 6 gang 125A lever bypass stacks, use SKUs with suffix “LBHR” (high bus) in a lineup with a bottom fed main module. The high bus version does not exist for 2, 3, and 4 gang 125A lever bypass stacks. For lineups with a top fed main module, use the standard 125A lever bypass stacks with suffix “LBR”.
- All single phase-in residential meter stacks are supplied with 4 jaw meter sockets (5th jaw kit available for field installation)
- All three phase-in type residential meter stacks include a 5th jaw factory installed.
- Series ratings are available from main breakers to tenant breakers (See DET008 for more information on series ratings)
- Tenant breakers are offered fully rated up to 100 kAIC in both 125A and 225A sockets.
- All tenant breakers include factory-installed load lugs for fast connections.
- Tenant breaker covers are lockable and accept up to 5/16” diameter locks.
- All mains and stacks are supplied with wall rails to mount to the wall, and rail brackets mounted to the enclosure.
- Meter stacks are offered in both 800A cross bus and 1200A cross bus versions for flexibility. Both versions have identical connection points.
- Shear nuts are included on all horizontal bus connections to eliminate the need for time-consuming torque readings. This breakaway nut provides a visual indicator of torque.
- Single phase “RGN” socket type stacks, have a neutral test point and bolt-on cover. No other changes in form, fit, and function, when compared to “RG” socket type stacks.
- All XT3 and XT4 tenant breakers for ReliaMod® 225A socket meter stacks come with thermal magnetic fixed (TMF) trip units.
- ABB modular metering offers a broad selection of accessories for flexibility: Surge protective device modules, pull boxes, elbows, spacers, etc.
- ABB ReliaMod® horizontal bus does not match up to GE Meter Mod III horizontal bus, so any ReliaMod® section cannot be connected to any GE Meter Mod III section and vice versa without a bus transition adapter section. Please refer to the ReliaMod® bus transition adapter page of the BuyLog for more information.

# ReliaMod® modular metering

## Meter stack modules - residential

## Ordering code construction

### ORDERING CODE CONSTRUCTION - RESIDENTIAL METER STACK




**Please Note:** ABB ReliaMod® horizontal bus does not match up to GE Meter Mod III horizontal bus, so any ReliaMod® section cannot be connected to any GE Meter Mod III section and vice versa without a bus transition adapter section. Please refer to the ReliaMod® bus transition adapter page of the BuyLog for more information.

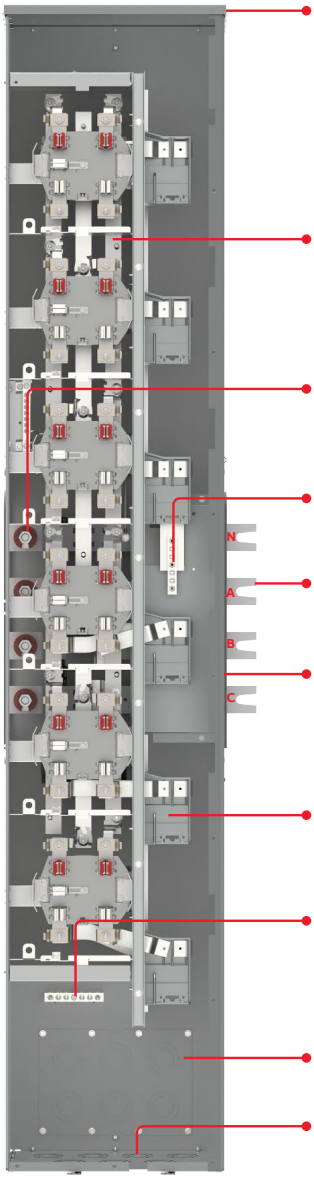
[1]All socket types, except “LB” have a socket rating of 125A. The “LB” socket has a 200A continuous current rating.

# ReliaMod® modular metering

## Meter stack modules - residential

## Construction details

**Construction Details: 125A Socket Residential Meter Stacks**
**Available in Ring Type, Ringless, or Ringless with Horn Bypass Construction**
**2-6 Gang 1-Phase Models**




NEMA 3R outdoor enclosure

Vertical bus

Shear nut on all horizontal bus connections. No torque wrench required

Neutral lug assembly

Tin plated horizontal bus

Provision for bus caps on left and right sides (bus caps not included). Bus caps provided on all main modules.

Tenant breaker provision

Factory installed equipment ground bar in the bottom compartment that is moveable to the top compartment as needed for convenience

Removable back knockout plate for easy wiring

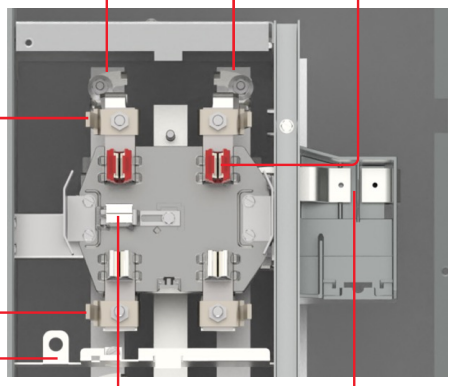
Multiple concentric bottom knockouts for easy wiring

RMS28612HRLR shown

Rotatable phase straps to the vertical bus for easily field phase balancing on each individual socket

Horn bypass included on line/ load jaws for select models

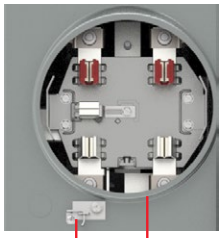
Line side meter jaw shrouds



5th jaw factory installed in 9 o'clock position on all three phase-in models. Single phase-in models come with 4 jaws standard, but a 5th jaw can be added in the field using a ReliaMod® 5th jaw kit.

Barrel lock provision on all ringless models

Tenant breaker provision



Ringless type socket cover

Ring type socket cover (with stainless steel sealing ring)

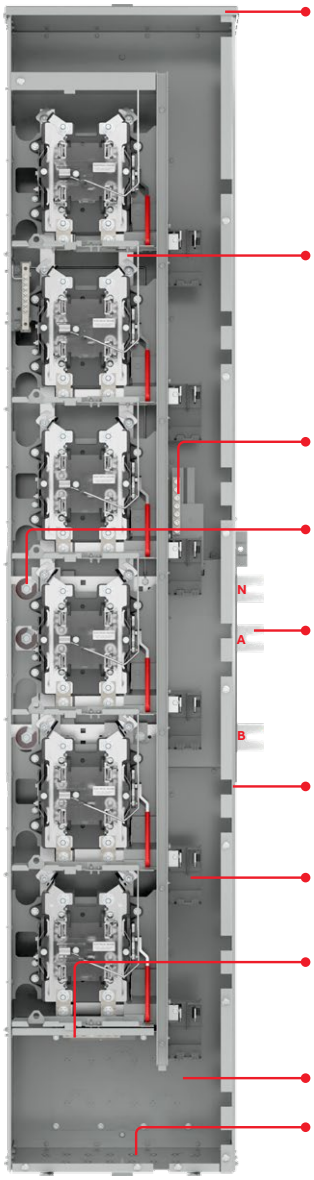
Stainless steel latch/hasp on all ringless models

# ReliaMod® modular metering

## Meter stack modules - residential

## Construction details

### Construction Details: 125A Socket Ringless Lever Bypass Residential Meter Stacks 2-6 Gang 1-Phase or 3-Phase Models




NEMA 3R outdoor enclosure

Vertical bus

Neutral lug assembly

Shear nut on all horizontal bus connections. No torque wrench required

Tin plated horizontal bus
Use stacks with suffix “LBR” for lineups with top fed main module.

Provision for bus caps on left and right sides (bus caps not included). Bus caps provided on all main modules.

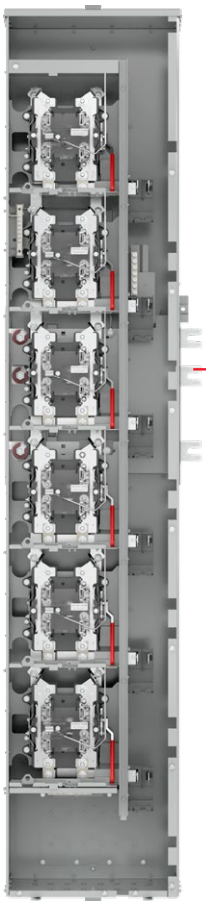
Tenant breaker provision

Factory installed equipment ground bar in the bottom compartment that is moveable to the top compartment as needed for convenience

Removable back knockout plate for easy wiring

Multiple concentric bottom knockouts for easy wiring

RMS18612LLBR shown

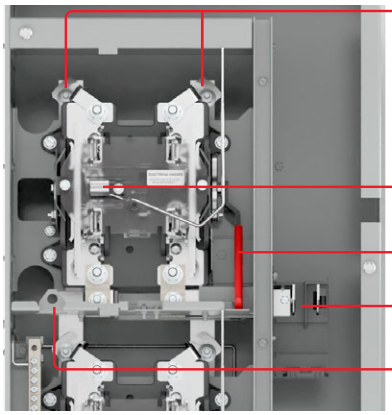


Tin plated horizontal bus
125A lever bypass stacks with suffix “LBHR” are high bus SKUs.

High bus stacks have a higher horizontal bus centerline compared to stacks with suffix “LBR”. High bus stacks allow the sockets to sit lower on the wall.

For 5- or 6-gang stacks, use SKUs with suffix “LBHR” for lineup with a bottom fed main module

RMS18612LLBHR shown



Rotatable phase straps to the vertical bus for easily field phase balancing on each individual socket

5th jaw factory installed in 9 o'clock position on all three phase-in models. Single phase-in models come with 4 jaws standard, but a 5th jaw can be added in the field using a ReliaMod® 5th jaw kit.

Lever bypass

Tenant breaker provision

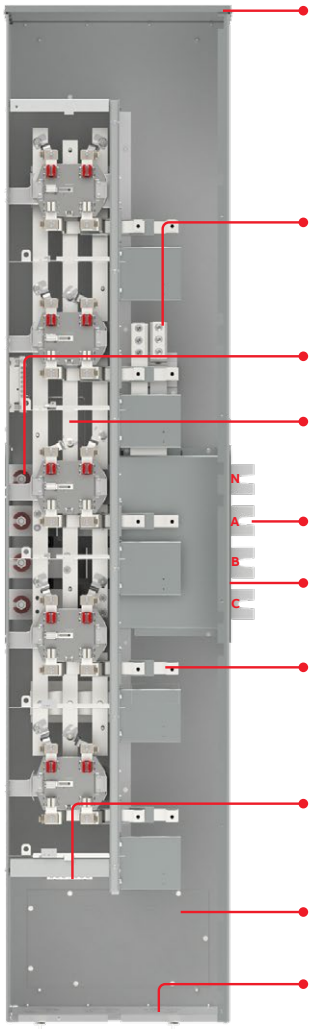
Barrel lock provision on all ringless models

# ReliaMod® modular metering

## Meter stack modules - residential

## Construction details

**Construction Details: 225A Socket Residential Meter Stacks**
**Available in Ring Type, Ringless, or Ringless with Horn Bypass Construction**
**2-5 Gang 1-Phase Models**




NEMA 3R outdoor enclosure

Neutral lug assembly

Shear nut on all horizontal bus connections. No torque wrench required

Vertical bus

Tin plated horizontal bus

Provision for bus caps on left and right sides (bus caps not included). Bus caps provided on all main modules.

Tenant breaker provision

Factory installed equipment ground bar in the bottom compartment that is moveable to the top compartment as needed for convenience

Removable back knockout plate for easy wiring

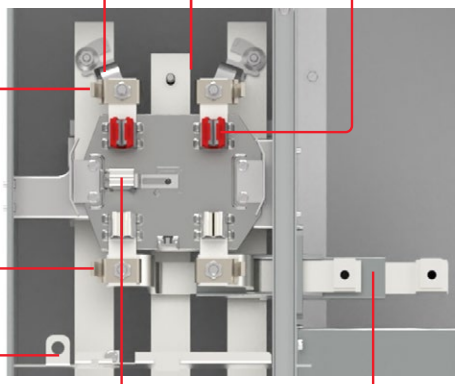
Multiple concentric bottom knockouts for easy wiring

RMS28522HRLR shown

Rotatable phase straps to the vertical bus for easily field phase balancing on each individual socket

Horn bypass included on line/ load jaws for select models

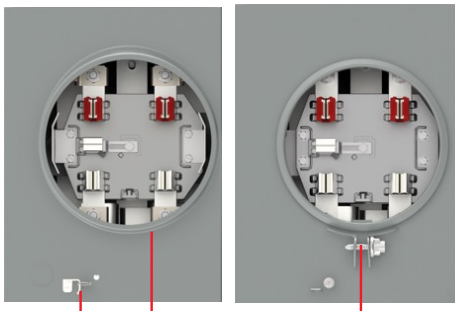
Line side meter jaw shrouds



Barrel lock provision on all ringless models

5th jaw factory installed in 9 o'clock position on all three phase-in models. Single phase-in models come with 4 jaws standard, but a 5th jaw can be added in the field using a ReliaMod® 5th jaw kit.

Tenant breaker provision



Ringless type socket cover

Ring type socket cover (with stainless steel sealing ring)

Stainless steel latch/hasp on all ringless models

# ReliaMod® modular metering

## Meter stack modules - residential, 800A cross bus

**Note:** Please click on any specific ReliaMod® ordering code with a hyperlink to be taken to the respective outline drawing/spec sheet for the product to view additional technical details.

### RESIDENTIAL METER STACKS: 125A SOCKETS WITH 800A CROSS BUS, RINGLESS TYPE

| Socket amps | Phase Type (Factory Installed Jaw Configuration) | Tenant breaker provision kAIC | No. of sockets | Ringless type socket | Ringless type socket horn bypass | Ringless type socket lever bypass | Ringless type socket lever bypass, high cross bus variation | Special features |
|---|---|---|---|---|---|---|---|---|
| 125 | 1-Phase in, 1-Phase out (4-Jaw) | 10, 22[2] | 2 | RMS18212LRLR | RMS18212LHBR | RMS18212LLBR | - | Only accepts THQL/THHQL-RM Tenant Breakers |
| | | | 3 | RMS18312LRLR | RMS18312LHBR | RMS18312LLBR | - | |
| | | | 4 | RMS18412LRLR | RMS18412LHBR | RMS18412LLBR | - | |
| | | | 5 | RMS18512LRLR | RMS18512LHBR | RMS18512LLBR | RMS18512LLBHR[1] | |
| | | | 6 | RMS18612LRLR | RMS18612LHBR | RMS18612LLBR | RMS18612LLBHR[1] | |
| | | 42, 50, 65, 100 | 2 | RMS18212HRLR | RMS18212HHBR | - | - | Only accepts TEY-MM/ TEYF-MM/ TEYL-MM Tenant Breakers |
| | | | 3 | RMS18312HRLR | RMS18312HHBR | - | - | |
| | | | 4 | RMS18412HRLR | RMS18412HHBR | - | - | |
| | | | 5 | RMS18512HRLR | RMS18512HHBR | - | - | |
| | | | 6 | RMS18612HRLR | RMS18612HHBR | - | - | |
| | 3-Phase in, 1-Phase out (5-Jaw) | 10, 22[2] | 2 | RMS28212LRLR | RMS28212LHBR | RMS28212LLBR | - | Only accepts THQL/THHQL-RM Tenant Breakers |
| | | | 3 | RMS28312LRLR | RMS28312LHBR | RMS28312LLBR | - | |
| | | | 4 | RMS28412LRLR | RMS28412LHBR | RMS28412LLBR | - | |
| | | | 5 | RMS28512LRLR | RMS28512LHBR | RMS28512LLBR | RMS28512LLBHR[1] | |
| | | | 6 | RMS28612LRLR | RMS28612LHBR | RMS28612LLBR | RMS28612LLBHR[1] | |
| | | 42, 50, 65, 100 | 2 | RMS28212HRLR | RMS28212HHBR | - | - | Only accepts TEY-MM/ TEYF-MM/ TEYL-MM Tenant Breakers |
| | | | 3 | RMS28312HRLR | RMS28312HHBR | - | - | |
| | | | 4 | RMS28412HRLR | RMS28412HHBR | - | - | |
| | | | 5 | RMS28512HRLR | RMS28512HHBR | - | - | |
| | | | 6 | RMS28612HRLR | RMS28612HHBR | - | - | |

[1]For 5 and 6 gang 125A lever bypass stacks, use SKUs with suffix "LBHR" (high bus) in a lineup with a bottom fed main module. The high bus version does not exist for 2, 3, and 4 gang 125A lever bypass stacks. For lineups with a top fed main module, use the standard 125A lever bypass stacks with suffix "LBR".

### RESIDENTIAL METER STACKS: 125A SOCKETS WITH 800A CROSS BUS, RING TYPE

| Socket amps | Phase Type (Factory Installed Jaw Configuration) | Tenant breaker provision kAIC | No. of sockets | Ring type socket | Ring type socket, 10" spacing | Ring type socket bolt-on covers[1] | Special features |
|---|---|---|---|---|---|---|---|
| 125 | 1-Phase in, 1-Phase out (4-Jaw) | 10, 22[2] | 2 | RMS18212LRGR | - | RMS18212LRGNR | Only accepts THQL/THHQL-RM Tenant Breakers |
| | | | 3 | RMS18312LRGR | - | RMS18312LRGNR | |
| | | | 4 | RMS18412LRGR | - | RMS18412LRGNR | |
| | | | 5 | RMS18512LRGR | - | RMS18512LRGNR | |
| | | | 6 | RMS18612LRGR | - | - | |
| | | 42, 50, 65, 100 | 2 | RMS18212HRGR | - | - | Only accepts TEY-MM/ TEYF-MM/ TEYL-MM Tenant Breakers |
| | | | 3 | RMS18312HRGR | - | - | |
| | | | 4 | RMS18412HRGR | - | - | |
| | | | 5 | RMS18512HRGR | - | - | |
| | | | 6 | RMS18612HRGR | - | - | |
| | 3-Phase in, 1-Phase out (5-Jaw) | 10, 22[2] | 2 | RMS28212LRGR | - | RMS28212LRGBR | Only accepts THQL/THHQL-RM Tenant Breakers |
| | | | 3 | RMS28312LRGR | - | RMS28312LRGBR | |
| | | | 4 | RMS28412LRGR | RMS28412LRGXR | RMS28412LRGBR | |
| | | | 5 | RMS28512LRGR | RMS28512LRGXR | RMS28512LRGBR | |
| | | | 6 | RMS28612LRGR | RMS28612LRGXR | - | |
| | | 42, 50, 65, 100 | 2 | RMS28212HRGR | - | - | Only accepts TEY-MM/ TEYF-MM/ TEYL-MM Tenant Breakers |
| | | | 3 | RMS28312HRGR | - | - | |
| | | | 4 | RMS28412HRGR | - | - | |
| | | | 5 | RMS28512HRGR | - | - | |
| | | | 6 | RMS28612HRGR | - | - | |

### METER SOCKET TENANT NEUTRAL LUG AND TENANT GROUND LUG SUMMARY (ONE LUG PER EACH SOCKET)

| Socket amperage | Load neutral lug (Cu/Al) | Equipment ground lug (Cu/Al) |
|---|---|---|
| 125A | #14-2/0 AWG | #14-2/0 AWG |

# ReliaMod® modular metering

## Meter stack modules - residential, 1200A cross bus

**Note:** Please click on any specific ReliaMod® ordering code with a hyperlink to be taken to the respective outline drawing/spec sheet for the product to view additional technical details.

### RESIDENTIAL METER STACKS: 125A SOCKETS WITH 1200A CROSS BUS, RINGLESS TYPE

| Socket amps | Phase Type (Factory Installed Jaw Configuration) | Tenant breaker provision kAIC | No. of sockets | Ringless type socket | Ringless type socket horn bypass | Ringless type socket lever bypass | Ringless type socket lever bypass, high cross bus variation | Special features |
|---|---|---|---|---|---|---|---|---|
| 125 | 1-Phase in, 1-Phase out (4-Jaw) | 10, 22[2] | 2 | RMS112212LRLR | RMS112212LHBR | RMS112212LLBR | - | Only accepts THQL/THHQL-RM Tenant Breakers |
| | | | 3 | RMS112312LRLR | RMS112312LHBR | RMS112312LLBR | - | |
| | | | 4 | RMS112412LRLR | RMS112412LHBR | RMS112412LLBR | - | |
| | | | 5 | RMS112512LRLR | RMS112512LHBR | RMS112512LLBR | RMS112512LLBHR[1] | |
| | | | 6 | RMS112612LRLR | RMS112612LHBR | RMS112612LLBR | RMS112612LLBHR[1] | |
| | | 42, 50, 65, 100 | 2 | RMS112212HRLR | RMS112212HHBR | - | - | Only accepts TEY-MM/ TEYF-MM/TEYL-MM Tenant Breakers |
| | | | 3 | RMS112312HRLR | RMS112312HHBR | - | - | |
| | | | 4 | RMS112412HRLR | RMS112412HHBR | - | - | |
| | | | 5 | RMS112512HRLR | RMS112512HHBR | - | - | |
| | | | 6 | RMS112612HRLR | RMS112612HHBR | - | - | |
| | 3-Phase in, 1-Phase out (5-Jaw) | 10, 22[2] | 2 | RMS212212LRLR | RMS212212LHBR | RMS212212LLBR | - | Only accepts THQL/THHQL-RM Tenant Breakers |
| | | | 3 | RMS212312LRLR | RMS212312LHBR | RMS212312LLBR | - | |
| | | | 4 | RMS212412LRLR | RMS212412LHBR | RMS212412LLBR | - | |
| | | | 5 | RMS212512LRLR | RMS212512LHBR | RMS212512LLBR | RMS212512LLBHR[1] | |
| | | | 6 | RMS212612LRLR | RMS212612LHBR | RMS212612LLBR | RMS212612LLBHR[1] | |
| | | 42, 50, 65, 100 | 2 | RMS212212HRLR | RMS212212HHBR | - | - | Only accepts TEY-MM/ TEYF-MM/TEYL-MM Tenant Breakers |
| | | | 3 | RMS212312HRLR | RMS212312HHBR | - | - | |
| | | | 4 | RMS212412HRLR | RMS212412HHBR | - | - | |
| | | | 5 | RMS212512HRLR | RMS212512HHBR | - | - | |
| | | | 6 | RMS212612HRLR | RMS212612HHBR | - | - | |

[1]For 5 and 6 gang 125A lever bypass stacks, use SKUs with suffix "LBHR" (high bus) in a lineup with a bottom fed main module. The high bus version does not exist for 2, 3, and 4 gang 125A lever bypass stacks. For lineups with a top fed main module, use the standard 125A lever bypass stacks with suffix "LBR".

### RESIDENTIAL METER STACKS: 125A SOCKETS WITH 1200A CROSS BUS, RING TYPE

| Socket amps | Phase Type (Factory Installed Jaw Configuration) | Tenant breaker provision kAIC | No. of sockets | Ring type socket | Ring type socket, 10" spacing | Ring type socket bolt-on covers[1] | Special features |
|---|---|---|---|---|---|---|---|
| 125 | 1-Phase in, 1-Phase out (4-Jaw) | 10, 22[2] | 2 | RMS112212LRGR | - | RMS112212LRGNR | Only accepts THQL/THHQL-RM Tenant Breakers |
| | | | 3 | RMS112312LRGR | - | RMS112312LRGNR | |
| | | | 4 | RMS112412LRGR | - | RMS112412LRGNR | |
| | | | 5 | RMS112512LRGR | - | RMS112512LRGNR | |
| | | | 6 | RMS112612LRGR | - | - | |
| | | 42, 50, 65, 100 | 2 | RMS112212HRGR | - | - | Only accepts TEY-MM/ TEYF-MM/TEYL-MM Tenant Breakers |
| | | | 3 | RMS112312HRGR | - | - | |
| | | | 4 | RMS112412HRGR | - | - | |
| | | | 5 | RMS112512HRGR | - | - | |
| | | | 6 | RMS112612HRGR | - | - | |
| | 3-Phase in, 1-Phase out (5-Jaw) | 10, 22[2] | 2 | RMS212212LRGR | - | RMS212212LRGBR | Only accepts THQL/THHQL-RM Tenant Breakers |
| | | | 3 | RMS212312LRGR | - | RMS212312LRGBR | |
| | | | 4 | RMS212412LRGR | RMS212412LRGXR | RMS212412LRGBR | |
| | | | 5 | RMS212512LRGR | RMS212512LRGXR | RMS212512LRGBR | |
| | | | 6 | RMS212612LRGR | RMS212612LRGXR | - | |
| | | 42, 50, 65, 100 | 2 | RMS212212HRGR | - | - | Only accepts TEY-MM/ TEYF-MM/TEYL-MM Tenant Breakers |
| | | | 3 | RMS212312HRGR | - | - | |
| | | | 4 | RMS212412HRGR | - | - | |
| | | | 5 | RMS212512HRGR | - | - | |
| | | | 6 | RMS212612HRGR | - | - | |

### METER SOCKET TENANT NEUTRAL LUG AND TENANT GROUND LUG SUMMARY (ONE LUG PER EACH SOCKET)

| Socket amperage | Load neutral lug (Cu/Al) | Equipment ground lug (Cu/Al) |
|---|---|---|
| 125A | #14-2/0 AWG | #14-2/0 AWG |

# ReliaMod® modular metering

## Meter stack modules - residential, 800A cross bus

**Note:** Please click on any specific ReliaMod® ordering code with a hyperlink to be taken to the respective outline drawing/spec sheet for the product to view additional technical details.

### RESIDENTIAL METER STACKS: 225A SOCKETS WITH 800A CROSS BUS, RINGLESS TYPE

| Socket amps | Phase Type (Factory Installed Jaw Configuration) | Tenant breaker provision kAIC | No. of sockets | Ringless type socket | Ringless type socket horn bypass | Special features |
|---|---|---|---|---|---|---|
| 225 | 1-Phase in, 1-Phase out (4-Jaw) | 10, 22[2] | 2 | RMS18222LRLR | RMS18222LHBR | Only accepts Formula A1 & A2 Tenant Breakers with "RM" suffix. |
| | | | 3 | RMS18322LRLR | RMS18322LHBR | |
| | | | 4 | RMS18422LRLR | RMS18422LHBR | |
| | | | 5 | RMS18522LRLR | RMS18522LHBR | |
| | | 42, 50, 65, 100 | 2 | RMS18222HRLR | RMS18222HHBR | Only accepts XT3 or XT4 Tenant Breakers |
| | | | 3 | RMS18322HRLR | RMS18322HHBR | |
| | | | 4 | RMS18422HRLR | RMS18422HHBR | |
| | | | 5 | RMS18522HRLR | RMS18522HHBR | |
| | 3-Phase in, 1-Phase out (5-Jaw) | 10, 22[2] | 2 | RMS28222LRLR | RMS28222LHBR | Only accepts Formula A1 & A2 Tenant Breakers with "RM" suffix. |
| | | | 3 | RMS28322LRLR | RMS28322LHBR | |
| | | | 4 | RMS28422LRLR | RMS28422LHBR | |
| | | | 5 | RMS28522LRLR | RMS28522LHBR | |
| | | 42, 50, 65, 100 | 2 | RMS28222HRLR | RMS28222HHBR | Only accepts XT3 or XT4 Tenant Breakers |
| | | | 3 | RMS28322HRLR | RMS28322HHBR | |
| | | | 4 | RMS28422HRLR | RMS28422HHBR | |
| | | | 5 | RMS28522HRLR | RMS28522HHBR | |

[1]For ring type sockets with a bolt-on cover: Three phase-in applications have a 5th jaw factory installed, and single phase-in applications have a "neutral test point" factory installed.
[2]Though the tenant breaker provision in these stacks accommodates a 10 or 22 kAIC fully rated breaker, you can series rate the breakers within these stacks to 65 or 100 kAIC depending on the breaker combinations you are using. Please refer to the series rating section of the BuyLog or ABB publication DET008 for more info on series rating tenant breakers for ReliaMod®.

### RESIDENTIAL METER STACKS: 225A SOCKETS WITH 800A CROSS BUS, RING TYPE

| Socket amps | Phase Type (Factory Installed Jaw Configuration) | Tenant breaker provision kAIC | No. of sockets | Ring type socket | Ring type socket bolt-on covers[1] | Special features |
|---|---|---|---|---|---|---|
| 225 | 1-Phase in, 1-Phase out (4-Jaw) | 10, 22[2] | 2 | RMS18222LRGR | RMS18222LRGNR | Only accepts Formula A1 & A2 Tenant Breakers with "RM" suffix. |
| | | | 3 | RMS18322LRGR | RMS18322LRGNR | |
| | | | 4 | RMS18422LRGR | RMS18422LRGNR | |
| | | | 5 | RMS18522LRGR | - | |
| | | 42, 50, 65, 100 | 2 | RMS18222HRGR | - | Only accepts XT3 or XT4 Tenant Breakers |
| | | | 3 | RMS18322HRGR | - | |
| | | | 4 | RMS18422HRGR | - | |
| | | | 5 | RMS18522HRGR | - | |
| | 3-Phase in, 1-Phase out (5-Jaw) | 10, 22[2] | 2 | RMS28222LRGR | RMS28222LRGBR | Only accepts Formula A1 & A2 Tenant Breakers with "RM" suffix. |
| | | | 3 | RMS28322LRGR | RMS28322LRGBR | |
| | | | 4 | RMS28422LRGR | RMS28422LRGBR | |
| | | | 5 | RMS28522LRGR | - | |
| | | 42, 50, 65, 100 | 2 | RMS28222HRGR | - | Only accepts XT3 or XT4 Tenant Breakers |
| | | | 3 | RMS28322HRGR | - | |
| | | | 4 | RMS28422HRGR | - | |
| | | | 5 | RMS28522HRGR | - | |

[1]For ring type sockets with a bolt-on cover: Three phase-in applications have a 5th jaw factory installed, and single phase-in applications have a "neutral test point" factory installed.
[2]Though the tenant breaker provision in these stacks accommodates a 10 or 22 kAIC fully rated breaker, you can series rate the breakers within these stacks to 65 or 100 kAIC depending on the breaker combinations you are using. Please refer to the series rating section of the BuyLog or ABB publication DET008 for more info on series rating tenant breakers for ReliaMod®.

### METER SOCKET TENANT NEUTRAL LUG AND TENANT GROUND LUG SUMMARY (ONE LUG PER EACH SOCKET)

| Socket amperage | Load neutral lug (Cu/Al) | Equipment ground lug (Cu/Al) |
|---|---|---|
| 225A | #6-300 kcmil | #14-2/0 AWG |

# ReliaMod® modular metering

## Meter stack modules - residential, 1200A cross bus

**Note:** Please click on any specific ReliaMod® ordering code with a hyperlink to be taken to the respective outline drawing/spec sheet for the product to view additional technical details.

### RESIDENTIAL METER STACKS: 225A SOCKETS WITH 1200A CROSS BUS, RINGLESS TYPE

| Socket amps | Phase Type (Factory Installed Jaw Configuration) | Tenant breaker provision kAIC | No. of sockets | Ringless type socket | Ringless type socket horn bypass | Special features |
|---|---|---|---|---|---|---|
| 225 | 1-Phase in, 1-Phase out (4-Jaw) | 10, 22[2] | 2 | RMS112222LRLR | RMS112222LHBR | Only accepts Formula A1 & A2 Tenant Breakers with "RM" suffix. |
| | | | 3 | RMS112322LRLR | RMS112322LHBR | |
| | | | 4 | RMS112422LRLR | RMS112422LHBR | |
| | | | 5 | RMS112522LRLR | RMS112522LHBR | |
| | | 42, 50, 65, 100 | 2 | RMS112222HRLR | RMS112222HHBR | Only accepts XT3 or XT4 Tenant Breakers |
| | | | 3 | RMS112322HRLR | RMS112322HHBR | |
| | | | 4 | RMS112422HRLR | RMS112422HHBR | |
| | | | 5 | RMS112522HRLR | RMS112522HHBR | |
| | 3-Phase in, 1-Phase out (5-Jaw) | 10, 22[2] | 2 | RMS212222LRLR | RMS212222LHBR | Only accepts Formula A1 & A2 Tenant Breakers with "RM" suffix. |
| | | | 3 | RMS212322LRLR | RMS212322LHBR | |
| | | | 4 | RMS212422LRLR | RMS212422LHBR | |
| | | | 5 | RMS212522LRLR | RMS212522LHBR | |
| | | 42, 50, 65, 100 | 2 | RMS212222HRLR | RMS212222HHBR | Only accepts XT3 or XT4 Tenant Breakers |
| | | | 3 | RMS212322HRLR | RMS212322HHBR | |
| | | | 4 | RMS212422HRLR | RMS212422HHBR | |
| | | | 5 | RMS212522HRLR | RMS212522HHBR | |

[1]For ring type sockets with a bolt-on cover: Three phase-in applications have a 5th jaw factory installed, and single phase-in applications have a "neutral test point" factory installed.
[2]Though the tenant breaker provision in these stacks accommodates a 10 or 22 kAIC fully rated breaker, you can series rate the breakers within these stacks to 65 or 100 kAIC depending on the breaker combinations you are using. Please refer to the series rating section of the BuyLog or ABB publication DET008 for more info on series rating tenant breakers for ReliaMod®.

### RESIDENTIAL METER STACKS: 225A SOCKETS WITH 1200A CROSS BUS, RING TYPE

| Socket amps | Phase Type (Factory Installed Jaw Configuration) | Tenant breaker provision kAIC | No. of sockets | Ring type socket | Ring type socket bolt-on covers[1] | Special features |
|---|---|---|---|---|---|---|
| 225 | 1-Phase in, 1-Phase out (4-Jaw) | 10, 22[2] | 2 | RMS112222LRGR | RMS112222LRGNR | Only accepts Formula A1 & A2 Tenant Breakers with "RM" suffix. |
| | | | 3 | RMS112322LRGR | RMS112322LRGNR | |
| | | | 4 | RMS112422LRGR | RMS112422LRGNR | |
| | | | 5 | RMS112522LRGR | - | |
| | | 42, 50, 65, 100 | 2 | RMS112222HRGR | - | Only accepts XT3 or XT4 Tenant Breakers |
| | | | 3 | RMS112322HRGR | - | |
| | | | 4 | RMS112422HRGR | - | |
| | | | 5 | RMS112522HRGR | - | |
| | 3-Phase in, 1-Phase out (5-Jaw) | 10, 22[2] | 2 | RMS212222LRGR | RMS212222LRGBR | Only accepts Formula A1 & A2 Tenant Breakers with "RM" suffix. |
| | | | 3 | RMS212322LRGR | RMS212322LRGBR | |
| | | | 4 | RMS212422LRGR | RMS212422LRGBR | |
| | | | 5 | RMS212522LRGR | - | |
| | | 42, 50, 65, 100 | 2 | RMS212222HRGR | - | Only accepts XT3 or XT4 Tenant Breakers |
| | | | 3 | RMS212322HRGR | - | |
| | | | 4 | RMS212422HRGR | - | |
| | | | 5 | RMS212522HRGR | - | |

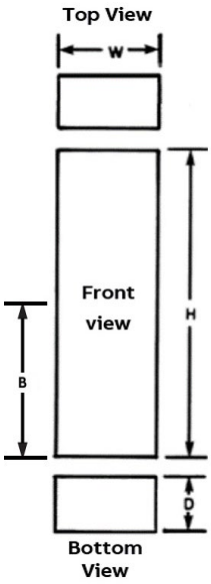
[1]For ring type sockets with a bolt-on cover: Three phase-in applications have a 5th jaw factory installed, and single phase-in applications have a "neutral test point" factory installed.
[2]Though the tenant breaker provision in these stacks accommodates a 10 or 22 kAIC fully rated breaker, you can series rate the breakers within these stacks to 65 or 100 kAIC depending on the breaker combinations you are using. Please refer to the series rating section of the BuyLog or ABB publication DET008 for more info on series rating tenant breakers for ReliaMod®.

### METER SOCKET TENANT NEUTRAL LUG AND TENANT GROUND LUG SUMMARY (ONE LUG PER EACH SOCKET)

| Socket amperage | Load neutral lug (Cu/Al) | Equipment ground lug (Cu/Al) |
|---|---|---|
| 225A | #6-300 kcmil | #14-2/0 AWG |

# ReliaMod® modular metering

## Residential meter stack dimensions




B = bus centerline height

### METER STACK DIMENSIONAL DATA

| Meter stack socket rating | Tenant breaker used | Number of sockets | Dimensions W (in) | H (in) | D (in) | B = bus centerline height (in) |
|---|---|---|---|---|---|---|
| **Residential sockets** | | | | | | |
| 125A Residential | THQL, THHQL-RM | 2 | 13.53 | 46.41 | 8.93 | 23.6 |
| | | 3 | 13.53 | 46.41 | 8.93 | 23.6 |
| | | 4 | 13.53 | 55.41 | 8.93 | 23.6 |
| | | 5 | 13.53 | 64.41 | 8.93 | 32.6 |
| | | 6 | 13.53 | 73.41 | 8.93 | 32.6 |
| 125A Residential | LB | 2 | 15.70 | 47.14 | 10.06 | 30.9 |
| | | 3 | 15.70 | 47.14 | 10.06 | 30.9 |
| | | 4 | 15.70 | 57.64 | 10.06 | 34.3 |
| | | 5 | 15.70 | 68.14 | 10.06 | 34.3 |
| | | 6 | 15.70 | 78.64 | 10.06 | 34.3 |
| | | 5 - High Bus[1] | 15.70 | 68.14 | 10.06 | 44.8 |
| | | 6 - High Bus[1] | 15.70 | 78.64 | 10.06 | 44.8 |
| 125A Residential ("X" Stack) | THQL, THHQL-RM | 4 | 13.32 | 59.54 | 8.93 | 32.7 |
| | | 5 | 13.32 | 75.29 | 8.93 | 42.7 |
| | | 6 | 13.32 | 79.54 | 8.93 | 42.7 |
| 125A Residential | TEY | 2 | 13.90 | 45.16 | 9.52 | 25.3 |
| | | 3 | 13.90 | 45.16 | 9.52 | 25.3 |
| | | 4 | 13.90 | 54.16 | 9.52 | 25.3 |
| | | 5 | 13.90 | 63.16 | 9.52 | 34.3 |
| | | 6 | 13.90 | 72.16 | 9.52 | 34.3 |
| 225A Residential | Formula A1 and A2 | 2 | 18.40 | 59.87 | 9.61 | 28.7 |
| | | 3 | 18.40 | 59.87 | 9.61 | 28.7 |
| | | 4 | 18.40 | 71.87 | 9.61 | 40.7 |
| | | 5 | 18.40 | 83.87 | 9.61 | 40.7 |
| | XT3, XT4 | 2 | 18.40 | 57.92 | 9.61 | 26.8 |
| | | 3 | 18.40 | 57.92 | 9.61 | 26.8 |
| | | 4 | 18.40 | 69.92 | 9.61 | 38.8 |
| | | 5 | 18.40 | 81.92 | 9.61 | 38.8 |

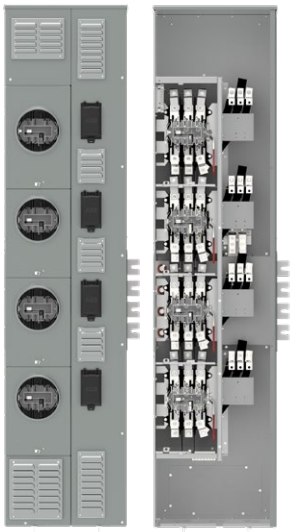
[1]For 5 and 6 gang 125A lever bypass stacks, use SKUs with suffix "LBHR" (high bus) in a lineup with a bottom fed main module. The high bus version does not exist for 2, 3, and 4 gang 125A lever bypass stacks. For lineups with a top fed main module, use the standard 125A lever bypass stacks with suffix "LBR".

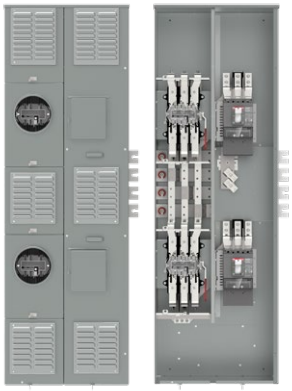
**Note:** For additional dimensions and technical data please click on the specific ReliaMod® ordering code hyperlink in this catalog to view its respective outline drawings/spec sheet. These can also be found in ABB empower and the ABB Library.

# ReliaMod® modular metering

## Meter stack modules - commercial

## Product overview





All commercial type meter stacks are ringless type with a lever bypass and include a 5th jaw factory installed if single-phase out, or a 7th jaw factory installed if three-phase out. The neutral wire on the 5th and 7th jaws is factory connected.

**Features**

- Lever bypass included on all commercial meter stacks
- Ringless construction
- Available in 225A or 400A socket models
- 1200A cross bus standard
- Indoor/outdoor construction for use in any of our meter modules for NEMA 1 or NEMA 3R applications.
- Front accessible bolts
- Enclosed horizontal bus
- Factory-installed equipment ground bars are located in the bottom gutter, field changeable to top gutter
- The unmetered vertical bus is enclosed to guard against power theft.
- Neutral assembly permits convenient termination of the neutral conductors.
- ReliaMod® commercial meter stacks with lever bypass are designed to accept 42-100 kAIC XT3 and XT4 tenant breakers only.
- ReliaMod® XT3 and XT4 tenant breakers listed as 2-pole for 1-phase applications are 3-pole case breakers suitable and UL Approved for 1-phase applications with load lugs factory installed on the two outside poles.
- All XT3 and XT4 tenant breakers for ReliaMod® 225A socket meter stacks come with thermal magnetic fixed (TMF) trip units. All factory installed XT5 tenant breakers for ReliaMod® 400A meter stacks come with thermal magnetic adjustable (TMA) trip units.
- ABB ReliaMod® horizontal bus does not match up to GE Meter Mod III horizontal bus, so any ReliaMod® section cannot be connected to any GE Meter Mod III section and vice versa without a bus transition adapter section. Please refer to the ReliaMod® bus transition adapter page of the BuyLog for more information.

# ReliaMod® modular metering

## Meter stack modules - commercial

### ORDERING CODE CONSTRUCTION - COMMERCIAL METER STACK

| R | MS | 2 | 12 | 2 | 22 | CH | LB | R |
|---|---|---|---|---|---|---|---|---|

**ABB ReliaMod identification**

**Type**
MS = Meter Stack Module (US)

**Phase type**
1 = 1 Phase In 1 Phase Out (5 Jaw)
2 = 3 Phase in 1 Phase Out (5 Jaw)
3 = 3 Phase in 3 Phase Out (7 Jaw)

**Horizontal bus rating**
12 = 1200A

**# of sockets**
1 - 4 (225A Sockets)
1 - 2 (400A Sockets)

**Socket rating**
22 = 225A
40 = 400A

**Socket AIC range**
CH = Comm Stacks: 42-100K (225A, 400A)

**Socket type**
LB = Lever Bypass

**Additional features**
R = NEMA Type 3R Rainproof, with no other additional features
RB = NEMA Type 3R Rainproof, and tenant breaker(s) included (400A XT5N TMA 65 kAIC only)

Please **Note:** ABB ReliaMod® horizontal bus does not match up to GE Meter Mod III horizontal bus, so any ReliaMod® section cannot be connected to any GE Meter Mod III section and vice versa without a bus transition adapter section. Please refer to the ReliaMod® bus transition adapter page of the BuyLog for more information.

225A Socket Lever Bypass
1-4 Gang

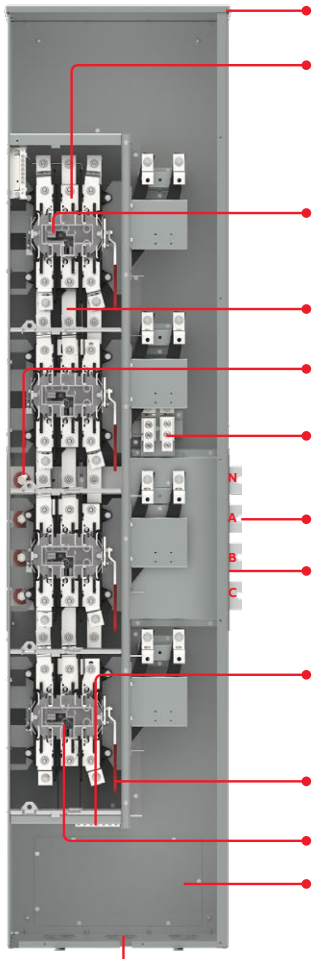
400A Socket Lever Bypass
1-2 Gang

# ReliaMod® modular metering

## Meter stack modules - commercial

## Construction details

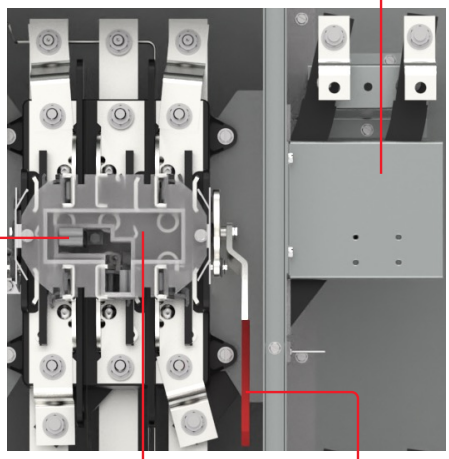
**Construction Details: 225A Socket Commercial Meter Stacks**
**Available in Ringless with Lever Bypass construction**
**1-4 Gang in 1-Phase or 3-Phase**



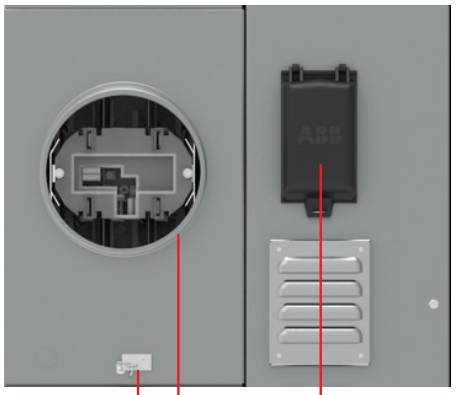

- NEMA 3R outdoor enclosure
- Adjustable phase straps to the vertical bus for easy field phase balancing on each individual socket
- 5th jaw factory installed in 1-Phase models. 7th jaw factory installed in 3-Phase models.
- Vertical bus
- Shear nut on all horizontal bus connections. No torque wrench required
- Neutral lug assembly
- Tin plated horizontal bus
- Provision for bus caps on left and right sides (bus caps not included). Bus caps provided on all main modules.
- Factory installed equipment ground bar in the bottom compartment that is moveable to the top compartment as needed for convenience
- Lever bypass on all commercial sockets
- Safety shield
- Removable back knockout plate for easy wiring
- Multiple concentric bottom knockouts for easy wiring

RMS212422CHLBR shown

- 5th jaw factory installed in 1-Phase out models. 7th jaw factory installed in 3-Phase out models.
- Tenant Breaker provision



- Safety shield standard on all commercial meter stacks
- Lever bypass standard on all commercial meter stacks



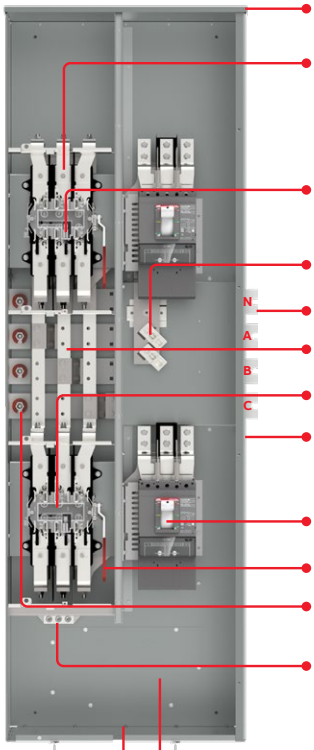
- Tenant breaker covers are lockable and accept up to 5/16” diameter locks
- Ringless meter cover standard on all commercial meter stacks
- Stainless steel latch/hasp on all ringless models

# ReliaMod® modular metering

## Meter stack modules - commercial

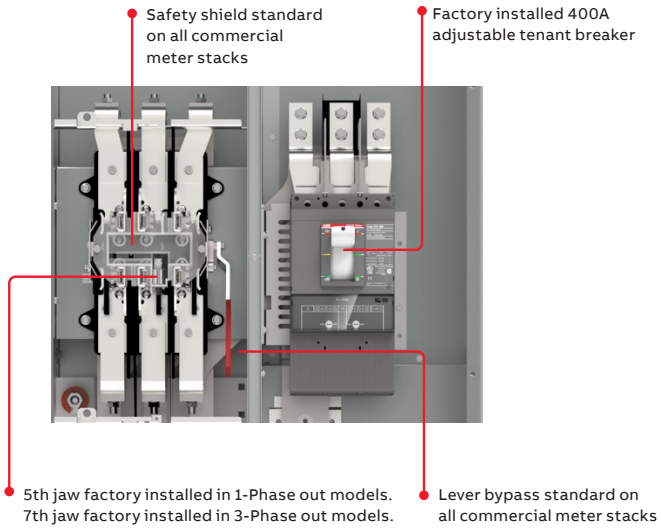
## Construction details

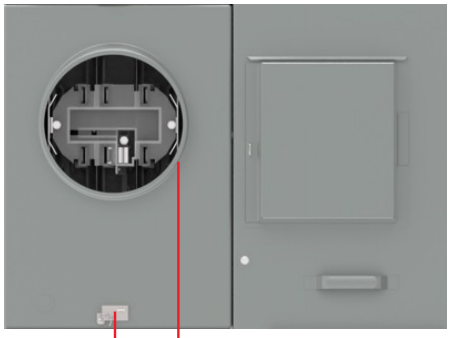
**Construction Details: 400A Socket Commercial Meter Stacks**
**Available in Ringless with Lever Bypass construction**
**1-2 gang in 1-Phase or 3-Phase**




- NEMA 3R outdoor enclosure
- Adjustable phase straps to the vertical bus for easy field phase balancing on each individual socket
- 5th jaw factory installed in 1-Phase out models. 7th jaw factory installed in 3-Phase out models.
- Neutral lug assembly
- Tin plated horizontal bus
- Vertical bus
- Safety shield
- Provision for bus caps on left and right sides (bus caps not included). Bus caps provided on all main modules.
- Factory installed 400A adjustable tenant breaker
- Lever bypass on all commercial sockets
- Shear nut on all horizontal bus connections. No torque wrench required
- Factory installed equipment ground bar in the bottom compartment that is moveable to the top compartment as needed for convenience
- Removable back knockout plate for easy wiring
- Multiple concentric bottom knockouts for easy wiring

RMS312240CHLBRB shown



# ReliaMod® modular metering

## Meter stack modules - commercial

225A 4-Gang
Lever Bypass
Meter Module:
RMS212422CHLBR

**Note:** Please click on any specific ReliaMod® ordering code with a hyperlink to be taken to the respective outline drawing/spec sheet for the product to view additional technical details.

### COMMERCIAL METER STACKS: 225A SOCKETS WITH 1200A CROSS BUS AND LEVER BYPASS

| Socket amps | Phase Type (Factory Installed Jaw Configuration) | No. of sockets | Tenant breaker provision kAIC | Ringless type socket | Special Features |
|---|---|---|---|---|---|
| 225 | 1-Phase in, 1-Phase out (5-Jaw) | 1 | 42,50,65,100 | RMS112122CHLBR | Only accepts XT3 or XT4 tenant breakers |
| | | 2 | | RMS112222CHLBR | |
| | | 3 | | RMS112322CHLBR | |
| | | 4 | | RMS112422CHLBR | |
| | 3-Phase in, 1-Phase out (5-Jaw) | 1 | | RMS212122CHLBR | |
| | | 2 | | RMS212222CHLBR | |
| | | 3 | | RMS212322CHLBR | |
| | | 4 | | RMS212422CHLBR | |
| | 3-Phase in, 3-Phase out (7-Jaw) | 1 | | RMS312122CHLBR | |
| | | 2 | | RMS312222CHLBR | |
| | | 3 | | RMS312322CHLBR | |
| | | 4 | | RMS312422CHLBR | |

400A 4-Gang
Lever Bypass
Meter Module:
RMS212240CHLBRB

### COMMERCIAL METER STACKS: 400A SOCKETS WITH 1200A CROSS BUS AND LEVER BYPASS

| Socket amps | Phase Type (Factory Installed Jaw Configuration) | No. of sockets | Tenant breaker provision kAIC | Ringless type socket | Special Features |
|---|---|---|---|---|---|
| 400 | 1-Phase in, 1-Phase out (5-Jaw) | 1 | 65 kAIC XT5N (TMA) Breakers(s) Included | RMS112140CHLBRB | One 400A XT5N (TMA) tenant breaker included, 65 kAIC |
| | | 2 | | RMS112240CHLBRB | Two 400A XT5N (TMA) tenant breakers included, 65 kAIC |
| | 3-Phase in, 1-Phase out (5-Jaw) | 1 | | RMS212140CHLBRB | One 400A XT5N (TMA) tenant breaker included, 65 kAIC |
| | | 2 | | RMS212240CHLBRB | Two 400A XT5N (TMA) tenant breakers included, 65 kAIC |
| | 3-Phase in, 3-Phase out (7-Jaw) | 1 | 65 kAIC XT5N (TMA) Breaker(s) Included | RMS312140CHLBRB | One 400A XT5N (TMA) tenant breaker included, 65 kAIC |
| | | 2 | | RMS312240CHLBRB | Two 400A XT5N (TMA) tenant breakers included, 65 kAIC |

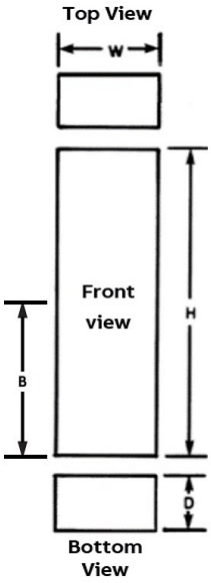
### METER SOCKET TENANT NEUTRAL LUG AND TENANT GROUND LUG SUMMARY (ONE LUG PER EACH SOCKET)

| Socket amperage | Load neutral lug (Cu/Al) | Equipment ground lug (Cu/Al) |
|---|---|---|
| 125A | #14-2/0 AWG | #14-2/0 AWG |
| 225A | #6-300 kcmil | #14-2/0 AWG |
| 400A | (2) 2/0-500 kcmil | #6-300 kcmil |

**Note:** All XT3 and XT4 tenant breakers for ReliaMod® 225A socket meter stacks come with thermal magnetic fixed (TMF) trip units. All factory installed XT5 tenant breakers for ReliaMod® 400A meter stacks come with thermal magnetic adjustable (TMA) trip units.

# ReliaMod® modular metering

## Commercial meter stack dimensions




B = bus centerline height

### METER STACK DIMENSIONAL DATA

| Meter stack socket rating | Tenant breaker used | Number of sockets | Dimensions W (in) | H (in) | D (in) | B = bus centerline height (in) |
|---|---|---|---|---|---|---|
| **Commercial sockets (with lever-bypass)** | | | | | | |
| 225A Commercial | XT3, XT4 | 1 | 19.60 | 54.05 | 9.67 | 21.7 |
| | | 2 | 19.60 | 54.05 | 9.67 | 21.7 |
| | | 3 | 19.60 | 68.05 | 9.67 | 35.7 |
| | | 4 | 19.60 | 82.05 | 9.67 | 35.7 |
| 400A Commercial (400A tenant breaker(s)) | XT5 | 1 | 23.30 | 42.30 | 10.80 | 19.8 |
| | | 2 | 23.30 | 70.30 | 10.80 | 37.3 |
| 400A Commercial (2x200A tenant breakers max) | XT3, XT4 | 1 | 20.10 | 54.80 | 10.80 | 22.1 |

225A Socket Lever Bypass
1-4 Gang

400A Socket Lever Bypass
1-2 Gang

# ReliaMod® modular metering

## THQL and TEY tenant breakers for 125A socket meter stacks

### ORDERING CODE CONSTRUCTION - THQL TENANT BREAKER

| T | HH | QL | 2 | 1 | 125 | RM |
|---|---|---|---|---|---|---|

THQL Frame
Tenant Breaker

**ABB identification**

**Interrupting rating**

H = 10 kAIC
HH = 22 kAIC

**Breaker type**

QL = Plug in (1" Per Pole)

**Poles**

2 = 2P

**Voltage rating**

2 = 120/240 Vac

**Amperage**

| | |
|---|---|
| 040 = 40A | 090 = 90A |
| 050 = 50A | 100 = 100A |
| 060 = 60A | 110 = 110A |
| 070 = 70A | 125 = 125A |
| 080 = 80A | |

RM = Breaker has a special 3-tier series rating with ReliaMod®

### ORDERING CODE CONSTRUCTION - TEY TENANT BREAKER

| TEYF | 2 | 125 | MM |
|---|---|---|---|

TEY Frame
Tenant Breaker

**ABB identification**

TEY or TEYF =
65 kAIC @ 240V

**Poles**

2 = 2P

**Amperage**

| | |
|---|---|
| 040 = 40A | 090 = 90A |
| 050 = 50A | 100 = 100A |
| 060 = 60A | 110 = 110A (TEYF) |
| 070 = 70A | 125 = 125A (TEYF) |
| 080 = 80A | |

**Application**

MM = Modular metering tenant breaker

| TEYL | 2 | 125 | MM |
|---|---|---|---|

TEYF/TEYL Frame
Tenant Breaker

**ABB identification**

TEYL = 100 kAIC
@ 240V

**Poles**

2 = 2P

**Amperage**

| | |
|---|---|
| 040 = 40A | 090 = 90A |
| 050 = 50A | 100 = 100A |
| 060 = 60A | 110 = 110A |
| 070 = 70A | 125 = 125A |
| 080 = 80A | |

**Application**

MM = Modular metering tenant breaker

**Note:** ReliaMod® meter stacks are designed to accept only certain tenant breaker frames based on their kAIC. There are meter stacks that only accept 10-22 kAIC tenant breakers and different meter stacks that only accept 42-100 kAIC tenant breakers. These tenant breakers are not interchangeable between different designs of stacks. Please be sure you are selecting the correct meter stack type based on the kAIC of tenant breaker you are using as well as the available series ratings in DET008. The modular metering configurator in ABB empower can help assist in the correct product selection.

# ReliaMod® modular metering

## Formula tenant breakers for 225A socket meter stacks

### ORDERING CODE CONSTRUCTION - FORMULA TENANT BREAKER KIT

Formula A1 Frame Tenant Breaker with “RM” suffix

Formula A2 Frame Tenant Breaker with “RM” suffix

| A | 2 | A | 2 | 2 | 200 | RM |
|---|---|---|---|---|---|---|

**Formula breaker identification**

**Formula breaker frame**

| |
|---|
| 1 = 40A-100A |
| 2 = 125A-225A |

**Breaker AIC**

| |
|---|
| A = 10 kAIC @ 240V |
| N = 25 kAIC @ 240V |

**Poles**

| |
|---|
| 2 = 2P |

**Voltage rating**

| |
|---|
| 2 = 240 Vac |

**Amperage**

| | |
|---|---|
| 040 = 40A | 100 = 100A |
| 050 = 50A | 125 = 125A |
| 060 = 60A | 150 = 150A |
| 070 = 70A | 200 = 200A |
| 080 = 80A | 225 = 225A |
| 090 = 90A | |

**Application**

| |
|---|
| RM = ReliaMod® Meter Stacks |

**Note:** ReliaMod® meter stacks are designed to accept only certain tenant breaker frames based on their kAIC. There are meter stacks that only accept 10-22 kAIC tenant breakers and different meter stacks that only accept 42-100 kAIC tenant breakers. These tenant breakers are not interchangeable between different designs of stacks. Please be sure you are selecting the correct meter stack type based on the kAIC of tenant breaker you are using as well as the available series ratings in DET008. The modular metering configurator in ABB empower can help assist in the correct product selection.

# ReliaMod® modular metering

## Tmax XT3/XT4 tenant breakers for 225A socket meter stacks

### ORDERING CODE CONSTRUCTION - TMAX XT3/XT4 TENANT BREAKER KIT

| XT3 | N | U | D | 200 | A | F | J | 000 | XXX |
|---|---|---|---|---|---|---|---|---|---|

XT3 Frame
Tenant Breaker

XT4 Frame
Tenant Breaker

**Tmax tenant breaker frame**

XT3 or XT4

**Interrupting ratings @ 240V**

N = 50 kAIC (XT3 frame only)

S = 65 kAIC, if XT3 frame
100 kAIC, if XT4 frame

**Standard UL rating**

U = UL 80%

**Poles**

D = 2P (in a 3P Case)

E = 3P

**Amperage**

| | |
|---|---|
| 040 = 40A | 100 = 100A |
| 050 = 50A | 110 = 110A |
| 060 = 60A | 125 = 125A |
| 070 = 70A | 150 = 150A |
| 080 = 80A | 200 = 200A |
| 090 = 90A | 225 = 225A |

**Trip unit**

A = TMF (Thermal Magnetic Fixed)

**Line side termination (Top)**

F = Front Terminals, no line lugs installed

**Load side termination (Bottom)**

G = (1) 14–1/0 AWG CuAL lugs per phase factory installed

J = (1) 4 AWG–300 kcmil CuAL lugs per phase factory installed

**Internal or external accessories**

000 = No factory installed accessories

**Advanced functionality**

XXX = None

**Note:** ReliaMod® meter stacks are designed to accept only certain tenant breaker frames based on their kAIC. There are meter stacks that only accept 10-22 kAIC tenant breakers and different meter stacks that only accept 42-100 kAIC tenant breakers. These tenant breakers are not interchangeable between different designs of stacks. Please be sure you are selecting the correct meter stack type based on the kAIC of tenant breaker you are using as well as the available series ratings in DET008. The modular metering configurator in ABB empower can help assist in the correct product selection.

**Note:** XT3 and XT4 tenant breakers listed as 2-pole for 1-phase applications are 3-pole case breakers suitable and UL Approved for 1-phase applications with load lugs factory installed on the two outside poles.

**Note:** All XT3 and XT4 tenant breakers for ReliaMod® 225A socket meter stacks come with thermal magnetic fixed (TMF) trip units. All factory installed XT5 tenant breakers for ReliaMod® 400A meter stacks come with thermal magnetic adjustable (TMA) trip units.

# ReliaMod® modular metering

## Tenant breakers - residential

## Low kAIC (10-22) 2-pole tenant breakers for residential 1-phase meter stacks

THQL Frame
Tenant Breaker

Formula A1 Frame
Tenant Breaker
with "RM" suffix

Formula A2 Frame
Tenant Breaker

### RELIAMOD® 2-POLE TENANT MAIN BREAKERS FOR USE IN 125A, 10-22 KAIC SOCKETS

| Amps | 10 kAIC | 22 kAIC[1] |
|---|---|---|
| 40 | THQL2140 | THHQL2140RM |
| 50 | THQL2150 | THHQL2150RM |
| 60 | THQL2160 | THHQL2160RM |
| 70 | THQL2170 | THHQL2170RM |
| 80 | THQL2180 | THHQL2180RM |
| 90 | THQL2190 | THHQL2190RM |
| 100 | THQL21100 | THHQL21100RM |
| 110 | THQL21110 | THHQL21110RM |
| 125 | THQL21125 | THHQL21125RM |

**Note:** ReliaMod® meter stacks are designed to accept only certain tenant breaker frames based on their kAIC. There are meter stacks that only accept 10-22 kAIC tenant breakers and different meter stacks that only accept 42-100 kAIC tenant breakers. These tenant breakers are not interchangeable between different designs of stacks. Please be sure you are selecting the correct meter stack type based on the kAIC of tenant breaker you are using as well as the available series ratings in DET008. The modular metering configurator in ABB empower can help assist in the correct product selection.

[1]THHQL-RM tenant breakers are 22 kAIC fully rated at 240V, but also have a UL tested 3-tier series rating of 65 kAIC at 240V in most ReliaMod® breaker combinations. Please refer to the series rating section of the BuyLog or ABB publication DET008 for more info on THHQL-RM tenant breakers and their 3-tier series ratings.

### RELIAMOD® 2-POLE TENANT MAIN BREAKERS FOR USE IN 225A, 10-22 KAIC SOCKETS

| Amps | 10 kAIC | 22 kAIC |
|---|---|---|
| 40 | A1A22040RM | A1N22040RM |
| 50 | A1A22050RM | A1N22050RM |
| 60 | A1A22060RM | A1N22060RM |
| 70 | A1A22070RM | A1N22070RM |
| 80 | A1A22080RM | A1N22080RM |
| 90 | A1A22090RM | A1N22090RM |
| 100 | A1A22100RM | A1N22100RM |
| 125 | A2A22125RM | A2N22125RM |
| 150 | A2A22150RM | A2N22150RM |
| 175 | A2A22175RM | A2N22175RM |
| 200 | A2A22200RM | A2N22200RM |
| 225 | A2A22225RM | A2N22225RM |

**Note:** ReliaMod® meter stacks are designed to accept only certain tenant breaker frames based on their kAIC. There are meter stacks that only accept 10-22 kAIC tenant breakers and different meter stacks that only accept 42-100 kAIC tenant breakers. These tenant breakers are not interchangeable between different designs of stacks. Please be sure you are selecting the correct meter stack type based on the kAIC of tenant breaker you are using as well as the available series ratings in DET008. The modular metering configurator in ABB empower can help assist in the correct product selection.

### FACTORY INSTALLED LOAD LUG SUMMARY OF RESIDENTIAL METER STACK TENANT BREAKERS, 10-22 KAIC

| Meter stocket type | Breaker frame | Ampere rating | Breaker load lug wire size | | Load lug Replacement kit |
|---|---|---|---|---|---|
| | | | Cu | Al | |
| 125A | THQL, THHQL-RM | 40-60 | (1) #8-#3 | (1) #8-#3 | N/A |
| | | 70-100 | (1) #6-1/0 | (1) #4-1/0 | |
| | | 110-125 | (1) #2-2/0 | (1) #2-2/0 | |
| 225A | Formula A1[2] | 40-80 | (1) #14-#2 | (1) #14-#2 | KA1080-2 |
| | | 90-100 | (1) #4-#1 | (1) #4-#1 | KA1100-2 |
| | Formula A2[2,3] | 125-225 | (1) #1-300 | (1) #1-300 | KA2225-2 |

[2]A1 and A2 Formula breaker lug kits are not interchangeable between frames. For example: You cannot use the A2 kit KA2225-2 to install 300 kcmil lugs on an A1 frame breaker.

[3]If a 350 kcmil lug size is needed on a Formula A2 frame breaker, order the KA2250-2 to field install on any A2 frame which will accommodate (1) 300-350 kcmil Al/Cu cables per phase. **Note:** The KA2250-2 lug kit is only for the load lugs of the Formula A2 breaker and does not include a larger neutral lug for the applicable meter stack.

# ReliaMod® modular metering

## Tenant breakers - residential

## High kAIC (42-100) 2-pole tenant breakers for residential 1-phase meter stacks

TEY Frame
Tenant Breaker

TEYF/TEYL Frame
Tenant Breaker

XT3 Frame
Tenant Breaker

XT4 Frame
Tenant Breaker

### RELIAMOD® 2-POLE TENANT MAIN BREAKERS FOR USE IN 125A, 42-100 KAIC SOCKETS[1,2]

| Amps | 42 kAIC | 65 kAIC | 100 kAIC |
|---|---|---|---|
| 40 | TEY240MM | TEY240MM | TEYL2040MM |
| 50 | TEY250MM | TEY250MM | TEYL2050MM |
| 60 | TEY260MM | TEY260MM | TEYL2060MM |
| 70 | TEY270MM | TEY270MM | TEYL2070MM |
| 80 | TEY280MM | TEY280MM | TEYL2080MM |
| 90 | TEY290MM | TEY290MM | TEYL2090MM |
| 100 | TEY2100MM | TEY2100MM | TEYL2100MM |
| 110 | TEYF2110MM | TEYF2110MM | TEYL2110MM |
| 125 | TEYF2125MM | TEYF2125MM | TEYL2125MM |

### RELIAMOD® 2-POLE TENANT MAIN BREAKERS FOR USE IN 225A, 42-100 KAIC SOCKETS[1,3,4]

| Amps | 42 kAIC | 65 kAIC | 100 kAIC |
|---|---|---|---|
| 40 | - | - | XT4SUD040AFG000XXX |
| 50 | - | - | XT4SUD050AFG000XXX |
| 60 | XT3NUD060AFG000XXX | XT3SUD060AFG000XXX | XT4SUD060AFG000XXX |
| 70 | XT3NUD070AFG000XXX | XT3SUD070AFG000XXX | XT4SUD070AFG000XXX |
| 80 | XT3NUD080AFG000XXX | XT3SUD080AFG000XXX | XT4SUD080AFG000XXX |
| 90 | XT3NUD090AFG000XXX | XT3SUD090AFG000XXX | XT4SUD090AFG000XXX |
| 100 | XT3NUD100AFJ000XXX | XT3SUD100AFJ000XXX | XT4SUD100AFJ000XXX |
| 110 | XT3NUD110AFJ000XXX | XT3SUD110AFJ000XXX | XT4SUD110AFJ000XXX |
| 125 | XT3NUD125AFJ000XXX | XT3SUD125AFJ000XXX | XT4SUD125AFJ000XXX |
| 150 | XT3NUD150AFJ000XXX | XT3SUD150AFJ000XXX | XT4SUD150AFJ000XXX |
| 175 | XT3NUD175AFJ000XXX | XT3SUD175AFJ000XXX | XT4SUD175AFJ000XXX |
| 200 | XT3NUD200AFJ000XXX | XT3SUD200AFJ000XXX | XT4SUD200AFJ000XXX |
| 225 | XT3NUD225AFJ000XXX | XT3SUD225AFJ000XXX | XT4SUD225AFJ000XXX |

[1]ReliaMod® meter stacks are designed to accept only certain tenant breaker frames based on their kAIC. There are meter stacks that only accept 10-22 kAIC tenant breakers and different meter stacks that only accept 42-100 kAIC tenant breakers. These tenant breakers are not interchangeable between different designs of stacks. Ensure you are selecting the correct meter stack type based on the kAIC of tenant breaker you are using as well as the available series ratings in DET008. The modular metering configurator in ABB empower can help assist in the correct product selection.

[2]All TEY/TEYL/TEYF-MM breakers have a factory-installed rejection clip. The addition of this clip is required to permit use with ReliaMod Meter modules. Clips cannot be field installed or removed making these breakers only compatible with ReliaMod Meter modules.

[3]XT3 and XT4 tenant breakers listed as 2-pole for 1-phase applications are 3-pole case breakers suitable and UL Approved for 1-phase applications with load lugs factory installed on the two outside poles.

[4]All XT3 and XT4 tenant breakers for ReliaMod® 225A socket meter stacks come with thermal magnetic fixed (TMF) trip units. All factory installed XT5 tenant breakers for ReliaMod® 400A meter stacks come with thermal magnetic adjustable (TMA) trip units.

### FACTORY INSTALLED LOAD LUG SUMMARY OF RESIDENTIAL METER STACK TENANT BREAKERS, 42-100 KAIC

| Meter stocket type | Breaker frame | Ampere rating | Breaker load lug wire size | | Load lug Replacement kit |
|---|---|---|---|---|---|
| | | | Cu | Al | |
| 125A | TEY, TEYF | 40-60 | (1) #10-#4 | (1) #10-#4 | N/A |
| | | 70-100 | (1) #4-1/0 | (1) #4-1/0 | |
| | | 110-125 | (1) #4-2/0 | (1) #4-2/0 | |
| | TEYL | 40-60 | (1) #10-#4 | (1) #10-#4 | |
| | | 70-125 | (1) #4-2/0 | (1) #4-2/0 | |
| 225A | XT3 | 60-90 | (1) #14-1/0 | (1) #14-1/0 | KXT3CUAL1-2PC |
| | | 100-225 | (1) #4-300 | (1) #4-300 | KXT3CUAL2-2PC |
| | XT4 | 40-90 | (1) #14-1/0 | (1) #14-1/0 | KXT4CUAL1-2PC |
| | | 100-225 | (1) #4-300 | (1) #4-300 | KXT4CUAL2-2PC |

# ReliaMod® modular metering

## Tenant breakers - commercial

## 2-pole tenant breakers for commercial 1-phase meter stacks with lever bypass

XT3 Frame
Tenant Breaker

XT4 Frame
Tenant Breaker

### RELIAMOD® 2-POLE TENANT MAIN BREAKERS FOR USE IN 225A, 1-PHASE, 42-100 KAIC SOCKETS WITH LEVER BYPASS

| Amps | 42 kAIC | 65 kAIC | 100 kAIC |
|---|---|---|---|
| 40 | - | - | XT4SUD040AFG000XXX |
| 50 | - | - | XT4SUD050AFG000XXX |
| 60 | XT3NUD060AFG000XXX | XT3SUD060AFG000XXX | XT4SUD060AFG000XXX |
| 70 | XT3NUD070AFG000XXX | XT3SUD070AFG000XXX | XT4SUD070AFG000XXX |
| 80 | XT3NUD080AFG000XXX | XT3SUD080AFG000XXX | XT4SUD080AFG000XXX |
| 90 | XT3NUD090AFG000XXX | XT3SUD090AFG000XXX | XT4SUD090AFG000XXX |
| 100 | XT3NUD100AFJ000XXX | XT3SUD100AFJ000XXX | XT4SUD100AFJ000XXX |
| 110 | XT3NUD110AFJ000XXX | XT3SUD110AFJ000XXX | XT4SUD110AFJ000XXX |
| 125 | XT3NUD125AFJ000XXX | XT3SUD125AFJ000XXX | XT4SUD125AFJ000XXX |
| 150 | XT3NUD150AFJ000XXX | XT3SUD150AFJ000XXX | XT4SUD150AFJ000XXX |
| 175 | XT3NUD175AFJ000XXX | XT3SUD175AFJ000XXX | XT4SUD175AFJ000XXX |
| 200 | XT3NUD200AFJ000XXX | XT3SUD200AFJ000XXX | XT4SUD200AFJ000XXX |
| 225 | XT3NUD225AFJ000XXX | XT3SUD225AFJ000XXX | XT4SUD225AFJ000XXX |

**Note:** ReliaMod® Commercial Meter Stacks with lever bypass are designed to accept 42-100 kAIC XT3 and XT4 tenant breakers only.

**Note:** XT3 and XT4 tenant breakers listed as 2-pole for 1-phase applications are 3-pole case breakers suitable and UL Approved for 1-phase applications with load lugs factory installed on the two outside poles.

**Note:** All XT3 and XT4 tenant breakers for ReliaMod® 225A socket meter stacks come with thermal magnetic fixed (TMF) trip units. All factory installed XT5 tenant breakers for ReliaMod® 400A meter stacks come with thermal magnetic adjustable (TMA) trip units.

### FACTORY INSTALLED LOAD LUG SUMMARY OF COMMERCIAL METER STACK 2-POLE TENANT BREAKERS, 42-100 KAIC

| Meter stocket type | Breaker frame | Ampere rating | Breaker load lug wire size | | Load lug Replacement kit |
|---|---|---|---|---|---|
| | | | Cu | Al | |
| 225A | XT3 | 60-90 | (1) #14-1/0 | (1) #14-1/0 | KXT3CUAL1-2PC |
| | | 100-225 | (1) #4-300 | (1) #4-300 | KXT3CUAL2-2PC |
| | XT4 | 40-90 | (1) #14-1/0 | (1) #14-1/0 | KXT4CUAL1-2PC |
| | | 100-225 | (1) #4-300 | (1) #4-300 | KXT4CUAL2-2PC |
| | XT5 | 400 | (2) 2/0-500 | (2) 2/0-500 | KXT5CUAL2X500K-2PC |

# ReliaMod® modular metering

## Tenant breakers - commercial

## 3-pole tenant breakers for commercial 3-phase meter stacks with lever bypass

XT3 Frame
Tenant Breaker

XT4 Frame
Tenant Breaker

### RELIAMOD® 3-POLE TENANT MAIN BREAKERS FOR USE IN 225A, 3-PHASE, 42-100 KAIC SOCKETS WITH LEVER BYPASS

| Amps | 42 kAIC | 65 kAIC | 100 kAIC |
|---|---|---|---|
| 40 | - | - | XT4SUE040AFG000XXX |
| 50 | - | - | XT4SUE050AFG000XXX |
| 60 | XT3NUE060AFG000XXX | XT3SUE060AFG000XXX | XT4SUE060AFG000XXX |
| 70 | XT3NUE070AFG000XXX | XT3SUE070AFG000XXX | XT4SUE070AFG000XXX |
| 80 | XT3NUE080AFG000XXX | XT3SUE080AFG000XXX | XT4SUE080AFG000XXX |
| 90 | XT3NUE090AFG000XXX | XT3SUE090AFG000XXX | XT4SUE090AFG000XXX |
| 100 | XT3NUE100AFJ000XXX | XT3SUE100AFJ000XXX | XT4SUE100AFJ000XXX |
| 110 | XT3NUE110AFJ000XXX | XT3SUE110AFJ000XXX | XT4SUE110AFJ000XXX |
| 125 | XT3NUE125AFJ000XXX | XT3SUE125AFJ000XXX | XT4SUE125AFJ000XXX |
| 150 | XT3NUE150AFJ000XXX | XT3SUE150AFJ000XXX | XT4SUE150AFJ000XXX |
| 175 | XT3NUE175AFJ000XXX | XT3SUE175AFJ000XXX | XT4SUE175AFJ000XXX |
| 200 | XT3NUE200AFJ000XXX | XT3SUE200AFJ000XXX | XT4SUE200AFJ000XXX |
| 225 | - | - | XT4SUE225AFJ000XXX |

**Note:** 225A XT3 not available in 3-Phase Meter Stacks. Max is 200A. For 225A 3P utilize the 100 kAIC XT4 frame.

**Note:** ReliaMod® Meter Commercial Meter Stacks with lever bypass are designed to accept 42-100 kAIC XT3 and XT4 tenant breakers only.

**Note:** All XT3 and XT4 tenant breakers for ReliaMod® 225A socket meter stacks come with thermal magnetic fixed (TMF) trip units. All factory installed XT5 tenant breakers for ReliaMod® 400A meter stacks come with thermal magnetic adjustable (TMA) trip units.

### FACTORY INSTALLED LOAD LUG SUMMARY OF COMMERCIAL METER STACK 3-POLE TENANT BREAKERS, 42-100 KAIC

| Meter stocket type | Breaker frame | Ampere rating | Breaker load lug wire size | | Load lug Replacement kit |
|---|---|---|---|---|---|
| | | | Cu | Al | |
| 225A | XT3 | 60-90 | (1) #14-1/0 | (1) #14-1/0 | KXT3CUAL1-3PC |
| | | 100-225 | (1) #4-300 | (1) #4-300 | KXT3CUAL2-3PC |
| | XT4 | 40-90 | (1) #14-1/0 | (1) #14-1/0 | KXT4CUAL1-3PC |
| | | 100-225 | (1) #4-300 | (1) #4-300 | KXT4CUAL2-3PC |
| | XT5 | 400 | (2) 2/0-500 | (2) 2/0-500 | KXT5CUAL2X500K-3PC |

# ReliaMod® modular metering

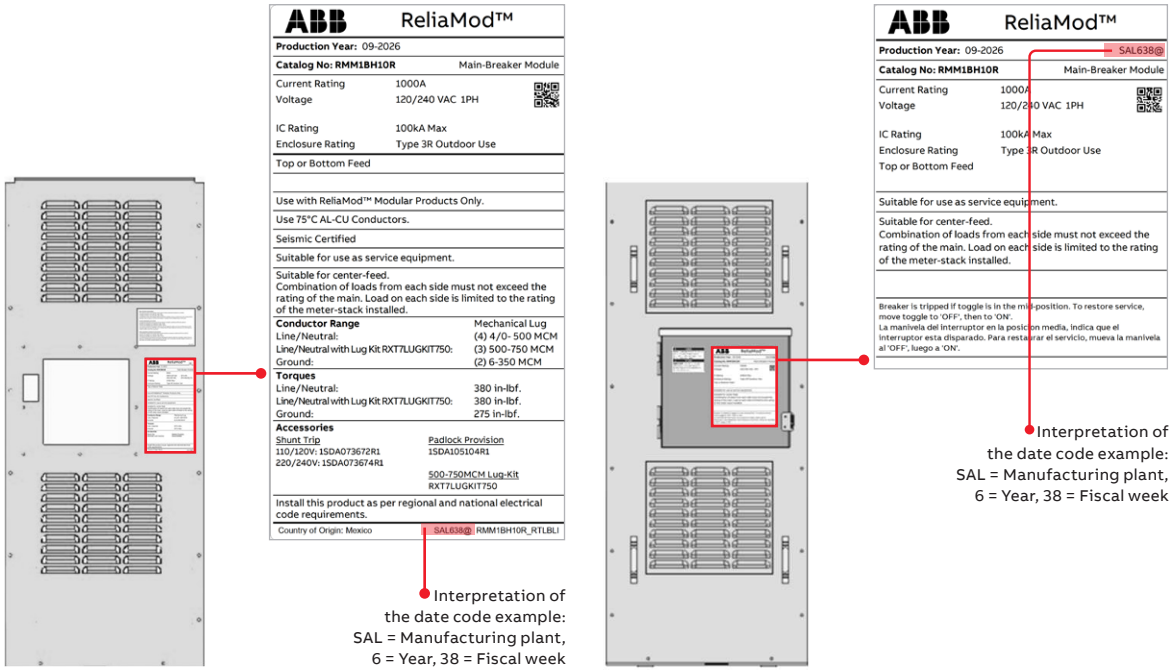
## Accessories[1]

Two types of surge protective devices are available for use with ReliaMod® modular metering. Both types are separately ordered accessories.

Gangable surge protective device modules are available in single and 3-phase options rated for 130, 200 or 300 kA per phase. These devices connect externally to the main module via horizontal cross bus.

Field-installable surge protective device kits are available for field install on the horizontal cross bus within the main module enclosure. The kits provide 50kA per phase protection. Note, these kits are only compatible with main modules produced on or after October 16, 2026.

The production date code beginning with “SAL” can be found on the labeling on the cover of the unit and on the packing label. Compatible mains will be SAL643 or greater (e.g. SAL644).




### SURGE PROTECTIVE DEVICE MODULES[2,4] (CONNECTS TO METER CENTER VIA INCLUDED HORIZONTAL CROSS BUS)

| Phase | Voltage | kA per Phase | Enclosure | Cross bus (amperage) | Ordering code |
|---|---|---|---|---|---|
| 1-Phase | 120/240V | 160 | N3R Outdoor | 1200 | RMM11GSPD |
| | | 300 | | | RMM13GSPD[3] |
| 3-Phase | 208Y/120V | 160 | | | RMM31GSPD |
| | | 300 | | | RMM33GSPD[3] |

[1]For additional dimensions and technical data please click on the specific ReliaMod® ordering code hyperlink in this catalog to view its respective outline drawings/spec sheet. These can also be found in ABB empower and the ABB Library.
[2]All SPDs are UL1449 listed and come standard with LED Status indicators, audible alarm, and remote monitoring contacts.
[3]300kA per phase models also come with UL1283 EMI/RFI Noise Filtering & Surge Counter.
[4]ReliaMod® spacers and bus adapters are small enough that they do not require wall rails, and only come with wall swivel brackets for mounting. However, ReliaMod® pull boxes, surge modules, and elbows come with wall rails as outlined in the above table.

**(continued on next page)**

# ReliaMod® modular metering

## Accessories[1]

RELBOW316N3R

RSPACER3127

### SURGE PROTECTIVE DEVICE MODULE DIMENSIONS[2]

| Phase | Voltage | kA per Phase | W (in) | H (in) | D (in) | Ordering code |
|---|---|---|---|---|---|---|
| 1-Phase | 120/240V | 160 | 15.00 | 25.14 | 10.00 | RMM11GSPD |
| | | 300 | 15.00 | 25.14 | 10.00 | RMM13GSPD |
| 3-Phase | 208Y/120V | 160 | 15.00 | 25.14 | 10.00 | RMM31GSPD |
| | | 300 | 15.00 | 25.14 | 10.00 | RMM33GSPD |

### SURGE PROTECTIVE DEVICE MAIN MODULE FIELD KIT – ONLY COMPATIBLE WITH MAIN MODULES PRODUCED ON OR AFTER OCTOBER 16, 2026

| Phase | Voltage | kA per Phase | Ordering code |
|---|---|---|---|
| 1-Phase | 120/240V | 50 | RMM1SPDK |
| 3-Phase | 208Y/120V | 50 | RMM3SPDKWYE |
| 3-Phase | 240V | 50 | RMM3SPDKDEL |

### INSIDE CORNER ELBOWS[2]

| Phase | Voltage | Inside corner elbow dimensions (in) | Enclosure | Cross bus (amperage) | Ordering code |
|---|---|---|---|---|---|
| 1-Phase or 3-Phase | 120/240V or 208Y/120V | 16 x 16 | N3R Outdoor | 1200 | RELBOW316N3R |
| 1-Phase or 3-Phase | 120/240V or 208Y/120V | 12 x 12 | | | RELBOW312N3R |

### SPACER[3]

| Phase | Voltage | Spacer width (in) | Enclosure | Cross bus (amperage) | Ordering code |
|---|---|---|---|---|---|
| 1-Phase or 3-Phase | 120/240V or 208Y/120V | 7.25 | N3R Outdoor | 1200 | RSPACER3127 |

[1]For additional dimensions and technical data please click on the specific ReliaMod® ordering code hyperlink in this catalog to view its respective outline drawings/spec sheet. These can also be found in ABB empower and the ABB Library.
[2]ReliaMod® spacers and bus adapters are small enough that they do not require wall rails, and only come with wall swivel brackets for mounting. However, ReliaMod® pull boxes, surge modules, and elbows come with wall rails as outlined in the above table.
[3]Spacers can be useful for a variety of reasons. They can be installed between any two ReliaMod® sections and will add an additional 7.25 inches of width between them. Some utilities require certain minimum widths between main modules and closest meter sockets which this spacer can help accomplish.

# ReliaMod® modular metering

## Accessories[1]

**ReliaMod® bus transition adapters**

ABB ReliaMod® modular metering horizontal bus does not match up to GE Meter Mod III horizontal bus so any ABB ReliaMod® modular metering section cannot be connected to any GE Meter Mod III section and vice versa without a bus transition adapter section. There are two different order code numbers of ReliaMod® modular metering bus transition adapter sections, one for a right-side connection to existing GE Meter Mod III and one for a left-side connection to GE Meter Mod III as outlined below.

Please review the illustrations below to determine if your application requires a right-side connection bus adapter or left-side connection bus transition adapter.

Please note, bus end caps are provided with the main modules and are not cross-compatible across GE and ABB branded modular metering products. A bus transition adapter cannot be used for attaching the bus end caps to stacks. Only a GE Meter Mod III bus end cap can be used with a GE Meter Mod III stack and only a ReliaMod modular metering bus end cap can be used with a ReliaMod modular metering stack. If needed, replacement bus end caps can be ordered. Ordering codes can be found in Replacement/Renewal Parts section for each modular metering product.

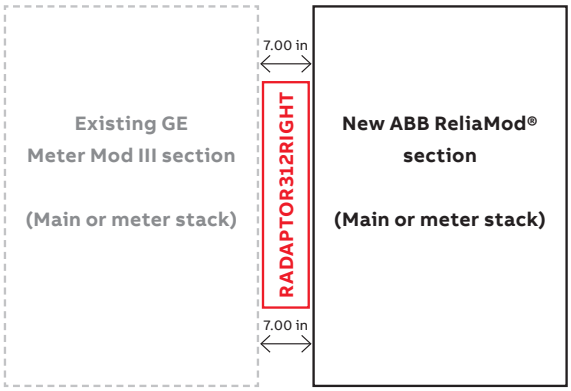
### GE METER MOD III TO ABB RELIAMOD® MODULAR METERING BUS TRANSITION ADAPTERS[2]

| Phase | Voltage | Connection side to existing GE Meter Mod III | Bus transition adapter width (in) | Enclosure | Cross bus (amperage) | Ordering code |
|---|---|---|---|---|---|---|
| 1-Phase or 3-Phase | 120/240V or 208Y/120V | Right only | 7.00 | N3R Outdoor | 1200 | RADAPTOR312RIGHT |
| 1-Phase or 3-Phase | 120/240V or 208Y/120V | Left only | 7.00 | | | RADAPTOR312LEFT |

[1]For additional dimensions and technical data please click on the specific ReliaMod® ordering code hyperlink in this catalog to view its respective outline drawings/spec sheet. These can also be found in ABB empower and the ABB Library.
[2]ReliaMod® spacers and bus adapters are small enough that they do not require wall rails, and only come with wall swivel brackets for mounting. However, ReliaMod® pull boxes, surge modules, and elbows indeed do come with wall rails as outlined in the above table.

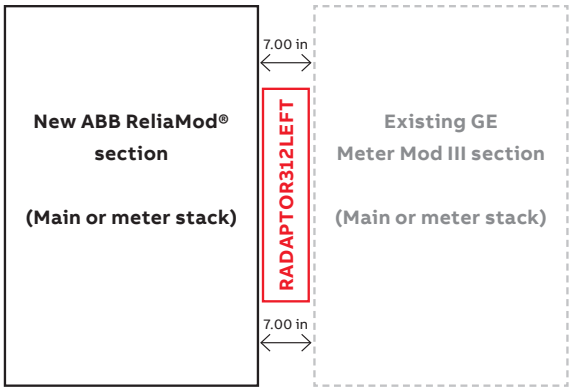
RADAPTOR312RIGHT

**Right side connection bus adapter application**



RADAPTOR312LEFT

**Left side connection bus adapter application**



# ReliaMod® modular metering
## Accessories

RSEALINGRING

ARP00920GE

XT7 Trip Unit Battery Pack:
1SDA066988R1

T8 Trip Unit Battery Pack:
1SDA058258R1

Ekip T&P Testing Kit:
1SDA066989R1

### RELIAMOD® ACCESSORIES

| Accessory category | Description | Ordering code |
|---|---|---|
| Socket Insulation Sheet | Insulating barrier for 125A sockets | RMBK125 |
| | Insulating barrier for 225A sockets | RMBK225 |
| Sealing Ring | Replacement Sealing Ring for Ring Cover, Stainless Steel (Fits all socket positions) | RSEALINGRING |
| Anti-inversion clip | This clip in meant to be installed in 320A/400A ReliaMod® meter sockets to prevent a 200A meter or other style from being installed in a higher amperage socket and also to prevent the correct 320A meter from being installed upside down. This is required by some utilities such as Dominion | RMIC |
| Ring To Ringless Cover Conversion Kits[1,2] | Ring to Ringless Conversion Kit for 125A ReliaMod® Residential Type Sockets | RM125RINGLESS |
| | Ring to Ringless Conversion Kit for 225A ReliaMod® Residential Type Sockets | RM225RINGLESS |
| Ringless To Ring Cover Conversion Kits[2] | Ringless to Ring Conversion Kit for 125A ReliaMod® Residential Type Sockets | RM125RING |
| | Ringless to Ring Conversion Kit for 225A ReliaMod® Residential Type Sockets | RM225RING |
| Socket Conversion Kits | 4-Jaw Meter Socket for Ring Type Cover | R4JAWSOCKET |
| | 5-Jaw Meter Socket for Ringless Cover | R5JAWSOCKET |
| Meter Covers | Blank Steel Meter Cover 125A Residential Sockets (Fits all socket positions) | RMCOVER125 |
| | Blank Steel Meter Cover 225A Residential Sockets (Fits all socket positions) | RMCOVER225 |
| | Blank Steel Meter Cover 225A Commercial Lever Bypass Sockets (Fits all socket positions except top socket) | RMCOVER225LVBP |
| | Blank Steel Meter Cover 225A Commercial Lever Bypass Sockets (Fits top socket only) | RMCOVER225LBTOP |
| | Blank Steel Meter Cover 400A Commercial Lever Bypass Sockets (Fits all socket positions) | RMCOVER400LVBP |
| | Clear Round Plastic Socket Cover With Tabs (Fits all socket positions) | ARP00920GE |
| | Clear Round Plastic Socket Cover Without Tabs (Fits all socket positions) | RMCA |
| Main Breaker Module Padlock Provision Kits (Allows the circuit breaker to be locked in the open position, padlock not included) | XT5 Main Breaker padlock provision in open position | 1SDA105099R1 |
| | XT6 Main Breaker padlock provision in open position | 1SDA105102R1 |
| | XT7 Main Breaker padlock provision in open position | 1SDA105104R1 |
| | XT7 Main Breaker (metallic) padlock provision in open position | 1SDA129731R1 |
| | T8 Main Breaker padlock provision in open position | 1SDA038351R1 |
| Trip Unit Battery Packs (Temporarily powers trip unit to adjust breaker settings if power is not yet applied to the breaker) | Trip Unit Battery Pack for XT7 Ekip Touch Trip Unit (1200A main breaker modules) | 1SDA066988R1 |
| | Trip Unit Battery Pack for T8 PR332/P Trip Unit (1400A, 1600A, 2000A main breaker modules) | 1SDA058258R1 |
| Ekip T&P Testing Kit | This kit tests the RELT function on applicable circuit breaker trip units via secondary injection to satisfy NEC 240.87(C) performance testing requirements (if secondary injection is allowable by the AHJ). A complete test report can be generated and saved on a local PC and/or printed. This kit is compatible with XT7, T8, and Emax 2 circuit breaker trip units that come with the RELT function. | 1SDA066989R1 |

[1]Includes 5th jaw kit with neutral cable
[2]Applicable for residential sockets only. Commercial lever bypass sockets cannot be converted.

# ReliaMod® modular metering

## Accessories

800A
1SDA104934R1

1200A
1SDA073672R1

3" Large Hub
ARP00019GE

### RELIAMOD® ACCESSORIES

| Accessory category | Description | Ordering code |
|---|---|---|
| Field Installable Shunt Trips for MCB Modules | 120V-240V Shunt Trip For XT5 (400A-600A) and XT6 (800A) Main Breaker Modules | 1SDA104934R1 |
| | 120V Shunt Trip For XT7 (1000A-1200A) Main Breaker Modules | 1SDA073672R1 |
| | 240V Shunt Trip For XT7 (1000A-1200A) Main Breaker Modules | 1SDA073674R1 |
| | 120V Shunt Trip For T8 (1400A-2000A) Main Breaker Modules | 1SDA038290R1 |
| | 240V Shunt Trip For T8 (1400A-2000A) Main Breaker Modules | 1SDA038292R1 |
| Hubs and Hub Closure Plates | 4 in Hub Closure Plate with Gasket | RCLOSUREPLATE[4] |
| | Mounting Hub Kit: Large Hub opening, 2 inch conduit (Hub screws included) Standard order quantity is 10. | ARP00017GE[4] |
| | Mounting Hub Kit: Large Hub opening, 2.5 inch conduit (Hub screws included) Standard order quantity is 10. | ARP00018GE[4] |
| | Mounting Hub Kit: Large Hub opening, 3 inch conduit (Hub screws included) Standard order quantity is 10. | ARP00019GE[4] |
| | Mounting Hub Kit: Large Hub opening, 3.5 inch conduit (Hub screws included) Standard order quantity is 10. | ARP00020GE[4] |
| | Mounting Hub Kit: Large Hub opening, 4 inch conduit (Hub screws included) Standard order quantity is 10. | ARP00021GE[4] |
| Optional Field Installable Lug Kits For Main Breaker Modules | ReliaMod® XT5 Frame Main Module Oversized Lug Kit: This lug kit will include lugs to accommodate (2) 500-750 kcmil Cu/Al cables per phase and neutral for XT5 frame main modules. Order one kit per each XT5 frame main module you need oversized lugs for. | RXT5LUGKIT750 |
| | ReliaMod® XT6 Frame Main Module Oversized Lug Kit: This lug kit will include lugs to accommodate (2) 500-750 kcmil Cu/Al cables per phase and neutral for XT6 frame main modules. Order one kit per each XT6 frame main module you need oversized lugs for. | RXT6LUGKIT750 |
| | ReliaMod® XT7 Frame Main Module Oversized Lug Kit: This lug kit will include lugs to accommodate (3) 500-750 kcmil Cu/Al cables per phase and neutral for XT7 frame main modules. Order one kit per each XT7 frame main module you need oversized lugs for. | RXT7LUGKIT750[1] |
| MLO Main Module Ground Lug Kit | (4) #6-350 kcmil lugs (AL/Cu) per kit, with assembly bracket | RMMGNDKIT350[2] |
| | (4) 2/0-600 kcmil lugs (AL/Cu) per kit, with assembly bracket | RMMGNDKIT600[2] |
| Mechanical Lug Kit | Mechanical lug kit for “CLL” main breaker modules . Kit contains 1 cable entry per lug, and (4) 500-750 kcmil lugs, (AL/Cu), 1 lug per phase and neutral. | RMMMECHKIT750 |
| | Mechanical lug kit for EUSERC main breaker modules . Kit contains 2 cable entry per lug, and (4) 500-750 kcmil lugs, (AL/Cu), 1 lug per phase and neutral. | RMMMECHKIT2750 |
| 5th Jaw Kits | ReliaMod® 5th Jaw Kit: 6 or 9 o'clock mount (125A and 225A Residential Sockets only) | RM5THJAW |
| | ReliaMod® Isolated 5th Jaw Kit: 6 or 9 o'clock mount (125A and 225A Residential Sockets only) | RM5THJAWISO |
| Horn Bypass Kit | ReliaMod® Horn Bypass Kit: For 125A and 225A Residential Ringless Type Sockets Only | RHORNBYPASS[3] |
| Bypass Jumpers | Jumper Straps (use with RMCA meter socket cover), 125A and 225A residential sockets only | RJUMPERSTRAP |
| | Plastic Meter Socket Cover Including Jumper Strap, 125A and 225A residential sockets only | RJUMPERWCOVER |
| Meter Guide | Meter Socket Guide for ease of installation of meter | RMMG |
| RMS Reducer | Barrel lock 7/16" reducer | RMSREDUCER |

[1] Can be field installed in standard (non-EUSERC) MCB or MFS main modules with an XT7 main device frame for larger than 500 kcmil lug requirements.

[2] The ground lug kits are intended to be utilized in any MLO or MLO/FTL main module. See instruction guide 1TQC133000E0060 which provides the recommended lug kit for each MLO or MLO/FTL main module and mounting locations.

[3] The RHORNBYPASS kit can ONLY be field installed on ringless style residential 125A or 225A sockets only. It cannot be installed on any ring type socket nor any commercial lever bypass socket. This kit is useful if you order ringless residential meter stacks without the horn bypass factory installed (RLR suffix) but a horn bypass is required. You can field install this kit on any RLR suffix meter stack such as the RMS28612LRLR for example.

[4] All ReliaMod Main modules have solid tops, with exception to the MLOFTL and top entry mains. Top endwall replacements with rain caps are available for purchase. Otherwise, customers may create their own entry points through the top endwall, while following NEC guidelines and consulting with their AHJ.

**Note:** You can always get a horn bypass factory installed on any ringless style residential socket by ordering meter stacks with the HBR suffix.

# ReliaMod® modular metering

## Replacement parts

### RELIAMOD® REPLACEMENT WALL MOUNTING ACCESSORIES

| | | ReliaMod® product | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Main modules | | | | | | | Meter modules | Accessories | | |
| Wall rail replacement kit Ordering code | Wall rail width (in) | Main breaker modules (standard) | Main breaker modules (with lug landing pad) | Main breaker modules (EUSERC) | Main fusible switch modules (standard) | Main fusible switch (EUSERC) | MLO modules (standard) | MLO modules (feed through) | See below | Pull boxes | Surge modules | Elbows |
| RWALLRAIL12 | 12 | | | | | | | | | | | 12 inch elbow |
| RWALLRAIL13 | 13 | | | | | | | | 125A residential meter modules (THQL tenant breakers) | | | |
| RWALLRAIL14A | 14 | | | | | | | | 125A residential meter modules (TEY tenant breakers) | | | |
| RWALLRAIL14B | 14 | | | | | | 400A MLO | | | | | |
| RWALLRAIL15 | 15 | | | | | | | | | | Standard surge modules (all models) | |
| RWALLRAIL16 | 16 | | | | | | | | | | | 16 inch elbow |
| RWALLRAIL17A | 17 | | | | | | | | 225A residential meter modules (Formula and XT3/ XT4 tenant breakers) | | | |
| RWALLRAIL17B | 17 | | | | | | 600A MLO | | | 400A pull box | | |
| RWALLRAIL19 | 19 | | | | | | | | 225A commercial lever bypass meter modules | | | |
| RWALLRAIL20A | 20 | 400A-1200A MCB | | 400A MCB | 400A-800A MFS | 400A MFS | 800A-1200A MLO | | | | | |
| RWALLRAIL20B | 20 | | | | | | | | 400A lever bypass with (2) 200A max tenant breakers | | | |

**(continued on next page)**

**Note:** Replacement wall rails are specific to the enclosure they are being used for and have specific order code numbers based on the enclosure width. Be sure to select the correct order code number in the table above based on your unique ReliaMod® enclosure that you need a replacement wall rail for.

**Note:** Replacement wall rails do not come with mounting hardware to mount them to the wall. This is because there are many different types of wall material they can be mounted to that would require different hardware, many different local or regional code requirements, and any applicable seismic requirements. Replacement wall rail mounting hardware is to be provided by others.

**Note:** Replacement wall rails mount to the wall and not on the ReliaMod® enclosure. See enclosure rail brackets on the next page if you need a replacement bracket to mount to the ReliaMod® enclosure.

**Note:** ReliaMod® spacers and bus adapters are small enough that they do not require wall rails and are not listed above as they only come with wall swivel brackets for mounting. However, ReliaMod® pull boxes, surge modules, and elbows indeed do come with wall rails as outlined in the above table.

# ReliaMod® modular metering

## Replacement parts

### RELIAMOD® REPLACEMENT WALL MOUNTING ACCESSORIES

| | | ReliaMod® product | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Main modules | | | | | | | Meter modules | Accessories | | |
| **Wall rail replacement kit Ordering code** | **Wall rail width (in)** | **Main breaker modules (standard)** | **Main breaker modules (with lug landing pad)** | **Main breaker modules (EUSERC)** | **Main fusible switch modules (standard)** | **Main fusible switch (EUSERC)** | **MLO modules (standard)** | **MLO modules (feed through)** | **See below** | **Pull boxes** | **Surge modules** | **Elbows** |
| RWALLRAIL23 | 23 | | | | | | | | 400A commercial lever bypass meter modules | | | |
| RWALLRAIL25 | 25 | 1400A through 1600A MCB (4-cable lug design) | | 600A-800A MCB | | 600A-800A MFS | | | | 800A pull box | | |
| RWALLRAIL29 | 29 | | | | | | | 1200A MLO feed through | | | | |
| RWALLRAIL33 | 33 | | | 1000A-1200A MCB | | | 1600A-2000A MLO | 1600A-2000A MLO feed through | | 1200A pull box | | |
| RWALLRAIL39 | 39 | 1400A-2000A MCB (6-cable lug design) | 1400A-1600A MCB with lug landing pad | | | | | | | | | |

**Note:** Replacement wall rails are specific to the enclosure they are being used for and have specific order code numbers based on the enclosure width. Be sure to select the correct order code number in the table above based on your unique ReliaMod® enclosure that you need a replacement wall rail for.

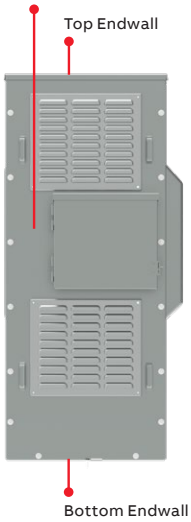
**Note:** Replacement wall rails do not come with mounting hardware to mount them to the wall. This is because there are many different types of wall material they can be mounted to that would require different hardware, many different local or regional code requirements, and any applicable seismic requirements. Replacement wall rail mounting hardware is to be provided by others.

**Note:** Replacement wall rails mount to the wall and not on the ReliaMod® enclosure. See enclosure rail brackets below if you need a replacement bracket to mount to the ReliaMod® enclosure.

**Note:** ReliaMod® spacers and bus adapters are small enough that they do not require wall rails and are not listed above as they only come with wall swivel brackets for mounting. However, ReliaMod® pull boxes, surge modules, and elbows indeed do come with wall rails as outlined in the above table.

# ReliaMod® modular metering

## Replacement parts




### REPLACEMENT BOTTOM ENDWALLS, FRONT COVERS, AND TOP ENDWALLS (WITH RAIN CAPS)

| | | Replacement kit ordering code[1] | | | |
|---|---|---|---|---|---|
| **Main module types** | **Amperage (A)** | **Bottom endwall** | **Front covers - 1-phase** | **Front covers - 3-phase** | **Top endwall replacement w/rain caps[2]** |
| Main breakers - top and/or bottom fed, 65kAIC, 100kAIC | 400 | ENDWALL20X11A | FRONTRMM1BL4R | FRONTRMM3BL4R | RMMV412RTEK |
| | | | FRONTRMM1BH4R | FRONTRMM3BH4R | |
| | 600 | | FRONTRMM1BL6R | FRONTRMM3BL6R | |
| | | | FRONTRMM1BH6R | FRONTRMM3BH6R | |
| | 800 | | FRONTRMM1BL8R | FRONTRMM3BL8R | |
| | | | FRONTRMM1BH8R | FRONTRMM3BH8R | |
| | 1000 | | FRONTRMM1BL10R | FRONTRMM3BL10R | |
| | | | FRONTRMM1BH10R | FRONTRMM3BH10R | |
| | 1200 | | FRONTRMM1BL12R | FRONTRMM3BL12R | |
| | | | FRONTRMM1BH12R | FRONTRMM3BH12R | |
| | 1400 | ENDWALL25X15 | FRONTRMM1BB14RL | FRONTRMM3BB14RL | - |
| | | | FRONTRMM1BT14R | FRONTRMM3BT14R | - |
| | | | FRONTRMM1BB14R | FRONTRMM3BB14R | - |
| | 1600 | | FRONTRMM1BB16R | FRONTRMM3BB16R | - |
| | | | FRONTRMM1BB16RL | FRONTRMM3BB16RL | - |
| | | | FRONTRMM1BT16R | FRONTRMM3BT16R | - |
| | 2000 | ENDWALL38X24 | FRONTRMM1BB20RL, TFRMM1BB20RL | FRONTRMM3BB20RL, TFRMM3BB20RL | - |
| Main breakers - with lug landing pads | 1200 | ENDWALL38X24 | FNTRMM1BB12RCLL, TFRMM1BB12RCLL | FNTRMM3BB12RCLL, TFRMM3BB12RCLL | - |
| | 1400 | | FNTRMM1BB14RCLL, TFRMM1BB14RCLL | FNTRMM3BB14RCLL, TFRMM3BB14RCLL | - |
| | 1600 | | FNTRMM1BB16RCLL, TFRMM1BB16RCLL | FNTRMM3BB16RCLL, TFRMM3BB16RCLL | - |
| | 2000 | | FNTRMM1BB20RCLL, TFRMM1BB20RCLL | FNTRMM3BB20RCLL, TFRMM3BB20RCLL | - |
| EUSERC - main breaker with integral pull box | 400 | ENDWALL20X11B | FRONTRMM1BEL4R, TFRMM1BEL4R | FRONTRMM3BEL4R, TFRMM3BEL4R | - |
| | | | FRONTRMM1BEH4R, TFRMM1BEH4R | FRONTRMM3BEH4R, TFRMM3BEH4R | - |
| | 600 | ENDWALL25X11 | FRONTRMM1BEL6R, TFRMM1BEL6R | FRONTRMM3BEL6R, TFRMM3BEL6R | - |
| | | | FRONTRMM1BEH6R, TFRMM1BEH6R | FRONTRMM3BEH6R, TFRMM3BEH6R | - |
| | 800 | | FRONTRMM1BEL8R, TFRMM1BEL8R | FRONTRMM3BEL8R, TFRMM3BEL8R | - |
| | | | FRONTRMM1BEH8R, TFRMM1BEH8R | FRONTRMM3BEH8R, TFRMM3BEH8R | - |
| | 1000 | ENDWALL33X12 | FRONTRMM1BEL10R, TFRMM1BEL10R | FRONTRMM3BEL10R, TFRMM3BEL10R | - |
| | | | FRONTRMM1BEH10R, TFRMM1BEH10R | FRONTRMM3BEH10R, TFRMM3BEH10R | - |
| | 1200 | | FRONTRMM1BEL12R, TFRMM1BEL12R | FRONTRMM3BEL12R, TFRMM3BEL12R | - |
| | | | FRONTRMM1BEH12R, TFRMM1BEH12R | FRONTRMM3BEH12R, TFRMM3BEH12R | - |
| EUSERC - Main Fusible Switch (MFS) with integral pull box | 400 | ENDWALL20X11B | FRNTRMM1FE4RCLL, TFRMM1FE4RCLL | FRNTRMM3FE4RCLL, TFRMM3FE4RCLL | - |
| | 600 | ENDWALL25X13 | FRNTRMM1FE6RCLL, TFRMM1FE6RCLL | FRNTRMM3FE6RCLL, TFRMM3FE6RCLL | - |
| | 800 | | FRNTRMM1FE8RCLL, TFRMM1FE8RCLL | FRNTRMM3FE8RCLL, TFRMM3FE8RCLL | - |

**(continued on next page)**

[1]When ordering a bottom endwall or top endwall (with rain caps), the phase of the main module is not relevant. However, the phase is critical when ordering the front cover, as its design varies accordingly. Some front covers are two-piece assemblies and require both ordering codes to be purchased.

[2]Main modules types with top endwall replacement kits have solid top endwalls factory installed with no rain caps. If no top endwall replacement is listed for a main module type, then there is not an option available to order.

# ReliaMod® modular metering

## Replacement parts

RBUSCAPFLAT

TLABELSDBP

10091352G1

### REPLACEMENT BOTTOM ENDWALLS, FRONT COVERS, AND TOP ENDWALLS (WITH RAIN CAPS)

| Main module types | Amperage (A) | Replacement kit ordering code[1] | | | |
|---|---|---|---|---|---|
| | | Bottom endwall | Front covers - 1-phase | Front covers - 3-phase | Top endwall replacement w/rain caps[2] |
| Main lug only | 400 | ENDWALL14X7 | FRONTRMM1L4R | FRONTRMM3L4R | RMML4RTEK |
| | 600 | ENDWALL17X7 | FRONTRMM1L6R | FRONTRMM3L6R | RMML6RTEK |
| | 800 | ENDWALL20X11A | FRONTRMM1L8R | FRONTRMM3L8R | RMMV412RTEK |
| | 1200 | | FRONTRMM1L12R | FRONTRMM3L12R | |
| | 1600 | ENDWALL33X18 | FRONTRMM1L16R | FRONTRMM3L16R | RMML1620RTEK |
| | 2000 | | FRONTRMM1L20R | FRONTRMM3L20R | RMML1620RTEK |
| Main lug only w/feed thru lugs | 1200 | ENDWALL29X12 | FRNTRMM1L12RFTL | FRNTRMM3L12RFTL | - |
| | 1600 | ENDWALL33X18 | FRNTRMM1L16RFTL | FRNTRMM3L16RFTL | - |
| | 2000 | ENDWALL33X18 | FRNTRMM1L20RFTL | FRNTRMM3L20RFTL | - |
| MFS module | 400 | ENDWALL20X11A | FRONTRMM1F4R | FRONTRMM3F4R | RMMV412RTEK |
| | 600 | ENDWALL20X13B | FRONTRMM1F6R | FRONTRMM3F6R | RMMF6RTEK |
| | 800 | ENDWALL20X13A | FRONTRMM1F8R | FRONTRMM3F8R | RMMF8RTEK |
| Pull boxes | 400 | ENDWALLPB400A | FRONTRMM1P4R | FRONTRMM3P4R | - |
| | 800 | ENDWALLPB800A | FRONTRMM1P8R | FRONTRMM3P8R | - |
| | 1200 | ENDWALLPB1200A | FRONTRMM1P12R | FRONTRMM3P12R | - |

[1]When ordering a bottom endwall or top endwall (with rain caps), the phase of the main module is not relevant. However, the phase is critical when ordering the front cover, as its design varies accordingly. Some front covers are two-piece assemblies and require both ordering codes to be purchased.
[2]Main modules types with top endwall replacement kits have solid top endwalls factory installed with no rain caps. If no top endwall replacement is listed for a main module type, then there is not an option available to order.

### REPLACEMENT ENCLOSURE RAIL BRACKET

| Ordering code | Description |
|---|---|
| RENCLOSURERAIL[3] | Kit of 3 replacement enclosure rail brackets with hardware (The enclosure rail bracket mounts to the ReliaMod® enclosure vs the wall rail bracket which mounts to the wall that the enclosure rail rests on) |

### REPLACEMENT WALL SWIVEL BRACKETS

| Ordering code | Description |
|---|---|
| RWALLBRACKETS[4] | Kit of 6 wall swivel brackets with hardware |

[3]These enclosure rail brackets apply to all ReliaMod® enclosures, unlike wall rails in the table above that have specific order code numbers for certain ReliaMod® enclosure designs and widths.
[4]These swivel brackets apply to all ReliaMod® enclosures, unlike wall rails that have specific order code numbers for certain enclosure designs and widths

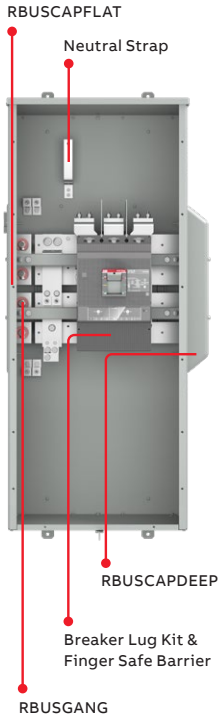
### RELIAMOD® REPLACEMENT PARTS

| Accessory category | Description | Ordering code |
|---|---|---|
| Replacement Ganging Kits | Replacement Ganging Hardware Kit for Horizontal Bus | RBUSGANG |
| | Replacement Ganging Hardware Kit for Enclosure | RENCLGANG |
| Replacement Horizontal Bus End Caps | Replacement Horizontal Bus End Cap (Left Side, Flat). One left side bus end cap is included with each main module. | RBUSCAPFLAT |
| | Replacement Horizontal Bus End Cap (Right Side Deep). One right side bus end cap is included with each main module. | RBUSCAPDEEP |
| Replacement Labels | Replacement Emergency Disconnect Adhesive Labels (Pack of 10) | TLABELSDBP |
| | Replacement Arc Flash Adhesive Labels (Pack of 10) | 10091352G1 |
| Touch-up Paint | 4 or 12 oz. spray can of light gray enamel touch-up paint. Purchase through an outside vendor. | PCT70157 ANSI 61 gray color[1] |

[1]Purchase through an outside vendor.

# ReliaMod® modular metering

## Replacement/Renewal parts



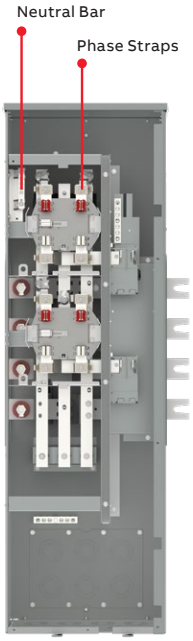

### RELIAMOD® MAIN MODULE REPLACEMENT PARTS

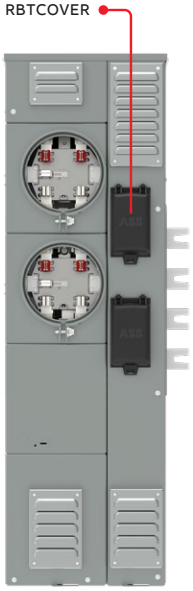
| Accessory category | Description | Ordering code |
|---|---|---|
| Replacement Phase Barrier Kits for MCB and MFS Modules | Replacement Phase Barriers kit for XT5 frame main modules | 1SDA107801R1 |
| | Replacement Phase Barrier kit for XT6 frame main modules | 1SDA107807R1 |
| | Replacement Phase Barrier kit for XT7 frame main modules | 1SDA073877R1 |
| | Replacement Phase Barrier Kit for T8 frame main modules | 1SDA066028R1 |
| Replacement Bond Strap Kits (For replacement only, all mains comes with a factory installed bonding straps) | Replacement Bonding Strap Kit 400A EUSERC Mains | RMBND400EUSERC |
| | Replacement Bonding Strap Kit 600-1200A EUSERC Mains | RMBND1200EUSERC |
| | Replacement Bonding Strap Kit 400-1200A MCB/MFS/MLO | RMBONDSTRAP |
| | Replacement Bond Kit 1400-2000A MCB/MLO and 1200A MLO | RMBOND2000 |
| Replacement Main Breaker Module Lug Kits | Replacement XT5 Main Module Lug Kit: (2) 2/0-500 kcmil per phase and neutral (Al/Cu) | RXT5LUGKIT |
| | Replacement XT6 Main Module Lug Kit: (3) 2/0-400 kcmil per phase and neutral (Al/Cu) | RXT6LUGKIT |
| | Replacement XT7 Main Module Lug Kit: (4) 4/0-500 kcmil per phase and neutral (Al/Cu) | RXT7LUGKIT |
| | Replacement T8 Main Module Lug Kit: (4) 1/0-750 kcmil per phase and neutral (Al/Cu) | RT8LUGKIT |
| | Replacement T8 Main Module Lug Kit: (6) 1/0-750 kcmil per phase and neutral (Al/Cu) | RT8LUGKIT2[1] |
| | Conversion Lug Kit 4 cable to 6 cable entry for T8 Main Module: (6) 1/0-750 kcmil per phase and neutral (Al/Cu) | RT8LUGKIT2RL |
| Replacement Compression Lug Kits | Replacement Compression Lug Kit for 1600A T8 Mains | RT81600CLL3 |
| | EUSERC Compression Lug Kit for 400A MCB, 400A MFS, 1PH or 3PH | RXT5CLL |
| | EUSERC Compression Lug Kit for 600A MCB, 1PH or 3PH | RXT5CLL2 |
| | EUSERC Compression Lug Kit for 800A MCB, 600A MFS, 1PH and 3PH | RXT6CLL |
| | EUSERC Compression Lug Kit for 800A MFS, 1PH and 3PH | RXT7CLL |
| | EUSERC Compression Lug Kit for 1000A-1200A MCB, 1PH or 3PH | RXT7CLL2 |
| Replacement Main Breaker Finger Safe Barrier Kits | Replacement Finger Safe Barrier Kit for standard XT5 main modules | RXT5SB500 |
| | Replacement Finger Safe Barrier Kit for standard XT6 main modules | RXT6SB400 |
| | Replacement Finger Safe Barrier Kit for standard XT7 main modules, 500 kcmil lugs | RXT7SB500 |
| | Replacement Finger Safe Barrier Kit for standard XT7 main modules, 750 kcmil lugs | RXT7SB750 |
| | Replacement Finger Safe Barrier Kit for standard 4-cable lug T8 breaker main modules (**Note:** 6-cable lug T8 breaker main modules do not come with nor require a finger safe barrier kit due to the positioning of load side of the breaker in a separate compartment from the line side) | RT8SB4750 |
| Replacement Ground Lug Kits (For replacement only, all mains come with factory installed ground lugs) | Replacement ReliaMod Ground Lug Kit (2 x #6-350) for all main modules (400A-2000A) | RMGROUNDKITMAIN |
| Replacement MLO Kits | Replacement ReliaMod 400A MLO Kit | RMMLO400 |
| | Replacement ReliaMod 600A-2000A MLO Kit | RMMLO600-2000 |
| Replacement Main Cover Hardware | Replacement Main Module Cover Fastening Hardware Kit | RMMMCOVERHARDWARE |
| RELT System Replacement Kits | RELT System Replacement Kit for XT7 frame MCB ReliaMod® main modules: Includes Ekip power supply, Ekip signaling, RELT switch, pig tail, fuse holder, fuses, hardware, etc. | RMXT7RELTKIT |
| | RELT System Replacement Kit for T8 frame MCB ReliaMod® main modules: Includes RELT switch, pig tail, fuse holder, fuses, hardware, etc. | RMT8RELTKIT |

[1]The 6-cable lug kit, RT8LUGKIT2, is a replacement lug kit only and can only be installed in original 6-cable lug T8 main breaker modules. This lug kit cannot be used to field convert a 4-cable lug T8 main breaker module to 6-cable lug as the 4-cable lug enclosures are not large enough. For example: You cannot use this lug kit to field convert the 4-cable lug 1600A MCB main module, RMM3BT16R, to accept 6-cable lugs, it will not fit.

# ReliaMod® modular metering

## Replacement/Renewal parts




### RELIAMOD® STACK REPLACEMENT PARTS

| Accessory category | Description | Ordering code |
|---|---|---|
| Replacement Ground Lug Kits | Replacement ReliaMod Ground Kit for residential and commercial stacks (125A stacks (THQL and TEY) and 225A stacks (A1-A2 and XT3-XT4)) | RMGROUNDKIT225 |
| | Replacement ReliaMod Ground Kit Commercial 400A lever bypass stacks (XT5-XT4) | RMGROUNDKIT400 |
| Replacement A1-A2 Formula Strap Kit | Replacement 2-Pole A1 Formula Breaker Strap Kit | A1STRAPKIT |
| | Replacement 2-Pole A2 Formula Breaker Strap Kit | A2STRAPKIT |
| Replacement Formula Tenant Breaker Load Lug Kits[1] | Replacement 2-Pole A1 Formula Breaker Load Lug Kit: (1) 14–2 AWG | KA1080-2 |
| | Replacement 2-Pole A1 Formula Breaker Load Lug Kit: (1) 4–1 AWG | KA1100-2 |
| | Replacement 2-Pole A2 Formula Breaker Load Lug Kit: (1) 1 AWG-300 kcmil | KA2225-2 |
| | Replacement 2-Pole A2 Formula Breaker Load Lug Kit (1) 300-350 kcmil | KA2250-2 |
| Replacement Tmax XT Tenant Breaker Load Lug Kits | Replacement 2-Pole XT3 Breaker Load Lug Kit: (1) 14-1/0 AWG | KXT3CUAL1-2PC |
| | Replacement 2-Pole XT3 Breaker Load Lug Kit: (1) 4 AWG-300 kcmil | KXT3CUAL2-2PC |
| | Replacement 3-Pole XT3 Breaker Load Lug Kit: (1) 14-1/0 AWG | KXT3CUAL1-3PC |
| | Replacement 3-Pole XT3 Breaker Load Lug Kit: (1) 4 AWG-300 kcmil | KXT3CUAL2-3PC |
| | Replacement 2-Pole XT4 Breaker Load Lug Kit: (1) 14-1/0 AWG | KXT4CUAL1-2PC |
| | Replacement2-Pole XT4 Breaker Load Lug Kit: (1) 4 AWG-300 kcmil | KXT4CUAL2-2PC |
| | Replacement 3-Pole XT4 Breaker Load Lug Kit: (1) 14-1/0 AWG | KXT4CUAL1-3PC |
| | Replacement 3-Pole XT4 Breaker Load Lug Kit: (1) 4 AWG-300 kcmil | KXT4CUAL2-3PC |
| | Replacement 3-Pole XT4 Breaker Load Lug Kit: (1) 3/0 AWG-350 kcmil | KXT4CUAL3-3PC |
| | Replacement 2-Pole XT5 Breaker Load Lug Kit: (2) 2/0-500 kcmil | KXT5CUAL2X500K-2PC |
| | Replacement 3-Pole XT5 Breaker Load Lug Kit: (2) 2/0-500 kcmil | KXT5CUAL2X500K-3PC |
| Replacement Tenant Breaker Mounting Hardware/Screw Kits | Replacement XT3 Tenant Breaker Mounting Screws (Bag of 25 mounting screw kits) | 1SDA076419R1 |
| | Replacement XT4 Tenant Breaker Mounting Screws (Bag of 25 mounting screw kits) | 1SDA076420R1 |
| | Replacement XT5 Tenant Breaker Mounting Screws (Bag of 10 mounting screw kits) | 1SDA119915R1 |
| | Replacement XT3 Tenant Breaker Replacement Terminal Screw Kit (One kit required per breaker) | 1SDA066857R1 |
| | Replacement XT4 Tenant Breaker Replacement Terminal Screw Kit (One kit required per breaker) | 1SDA066861R1 |
| | Replacement XT5 Tenant Breaker Replacement Terminal Screw Kits (One kit required per breaker) | 1SDA104730R1 |
| | Replacement TEY Frame Tenant Breaker Replacement Bolt on mounting screws (Kit of 24 screws) | TQBS1 |
| Replacement Tenant Breaker Phase Separators | Replacement Phase Separators for XT3 Tenant Breaker (Kit of 4) | KXTBPB25-3 |
| | Replacement Phase Separators for XT4 Tenant Breaker (Kit of 4) | KXTCPB25-3 |
| | Replacement Phase Separators for XT5 Tenant Breaker (Kit of 4) | KXT5PB25UL-3 |
| | Replacement Phase Separators for Formula A1 Tenant Breaker (Kit of 2) | KA1PBL-3 |
| | Replacement Phase Separators for Formula A2 Tenant Breaker (Kit of 2) | KA2PBL-2 |
| Replacement TMAX High Terminal Covers | Replacement XT3 Tenant Breaker High Terminal Cover | KXT3HTC-3 |
| | Replacement XT4 Tenant Breaker High Terminal Cover | KXT4HTC-3 |
| | Replacement XT5 Tenant Breaker High Terminal Cover | KXT5HTC-3 |
| Replacement Tenant Breaker Cover | Replacement Black Plastic Tenant Breaker Cover for 125A and 225A Socket Meter Stacks Cover is lockable through hasp with a padlock up to 5/16" in diameter | RTBCOVER |
| Replacement Phase Balancing Kits (For replacement only, all phase balancing hardware ships with each socket) | Replacement Phase Balancing Strap Kit for residential 125A THQL sockets | RPHBALANCEKIT-1 |
| | Replacement Phase Balancing Strap Kit for residential 125A TEY sockets | RPHBALANCEKIT-2 |
| | Replacement Phase Balancing Strap Kit for residential 225A sockets (A1-A2, XT3-XT4) | RPHBALANCEKIT-3 |
| | Replacement Phase Balancing Strap Kit for commercial lever bypass 225A XT3-XT4 sockets | RPHBALANCEKIT-4 |
| | Replacement Phase Balancing Strap Kit for commercial lever bypass 400A XT5 sockets | RPHBALANCEKIT-5 |
| Replacement Phase Neutral Kits (For replacement only, all neutral components ships assembled in each meter stack) | Replacement Phase Neutral Kit for residential 125A stacks (THQL) | RM125NEUTRALKIT |
| | Replacement Phase Neutral Kit for residential 225A stacks (A1-A2 and XT3-XT4) | RM225NEUTRALKIT |
| | Replacement Phase Neutral Kit for commercial 400A lever bypass stacks (XT5-XT4) | RM400NEUTRALKIT |

[1]A1 and A2 Formula breaker lug kits are not interchangeable between frames. For example: You cannot use the A2 kit KA2225-2 to install 300 kcmil lugs on an A1 frame breaker.

# ReliaMod® modular metering
## Series ratings

**Understanding series rating applications**
The following series rating information is to serve as a guide and quick reference only. For official series rating information and documentation refer to the latest version of publication DET008.

### DEFINITIONS

**Fully rated system**
The short-circuit ratings of all protective devices are equal to or exceed the available short-circuit current of the system. If the breakers are mounted in equipment, the bus short-circuit withstand rating and equipment short-circuit rating must equal or exceed the available short-circuit current.

**Series-connected system**
The short-circuit rating of the upstream protector is fully rated at its location, but the downstream protector is not fully rated. The downstream protector has lower interruption rating than the available fault current at its location.

**Series-connected rating**
UL permits assigning a short-circuit rating to a combination of protectors (molded-case circuit breakers and/or fuses) connected in series that is higher than the lowest rated protective device in the combination. **Note:**

- Series ratings are applicable only when the end-use equipment is so marked.
- The combination rating cannot exceed the rating of the protective device furthest upstream.
- Upstream device can be a molded-case circuit breaker or fuse.
- Device combinations are not limited to those in the same equipment. They can be in different equipment, such as the combination of a switchboard feeder and a downstream panelboard main versus a panelboard main and its branches.
- Any distance between devices in different equipment is permitted.
- Total fault current magnitude must flow through both protectors. Thus, fault current contribution from motors, as well as power source fault current, must flow through upstream and downstream protectors.

**System example 1 : A is feeding B, C, and D**
- The use of more than one branch breaker, each of which has a series-connected short-circuit rating with a given main circuit breaker or fuse, is acceptable for a series-connected short-circuit rating no greater than the lowest combination.
- Thus if main breaker A is series rated with submain or branch breaker B at 100kA, with branch breaker C at 65kA, and with branch breaker D at 42kA, then the series-connected combination can be rated at 42kA maximum.

**System example 2: A is feeding B and B is feeding C.**
- A is series rated with B and A is also series rated with C. This combination is acceptable at the lower series rating.
- A is series rated with C and B is fully rated for the available fault current. B does not invalidate the series rating.
- A is series rated with B and B feeds another B. This is an acceptable series rated system combination and is a variation of system example 1. Having B feeding another B does not invalidate that A series rates with multiple levels of B.

# ReliaMod® modular metering

## Series ratings

## Substitutions

### Substitutions

The following circuit breakers can be substituted for the circuit breakers shown in the series rating tabulations. These substitutions are not all inclusive. Please refer to publication DET008 for a full list of latest approved substitutions.

| Circuit breaker | Substitute circuit breaker(s) |
|---|---|
| **Tmax XT** | |
| XT7H | XT7L |
| XT7S | XT7H, XT7L |
| XT6S | XT6H |
| XT6N | XT6S, XT6H |
| XT5L | XT5V |
| XT5H | XT5L, XT5V |
| XT5S | XT5H, XT5L, XT5V |
| XT5N | XT5S, XT5H, XT5L, XT5V |
| XT4S | XT4H, XT4L, XT4V |
| XT4N | XT4S, XT4H, XT4L, XT4V |
| XT3N | XT3S |
| **PowerBreak II** | |
| SS | SH |
| **Emax 2** | |
| E2.2SF | E2.2VF |
| **Q-Line** | |
| THQL | THQB, THQC, THHQL, THHQB, THHQC, THHQL-RM[1] |
| THQL-RM[1] | THHQL-RM[1] |
| THHQL | THHQB, THHQC, THHQL-RM[1] |
| THQL-AF | THQL-AF2, THQL-AF2P, THQL-PAF2, THQL-PAF2P, THQL-AF2S, THQB-AF2, THHQL-AF2, THHQL-AF2P, THHQL-PAF2, THHQL-PAF2P, THHQL-AF2S, THHQB-AF2 |
| THQL-GF | THQL-GFT, THQL-GFTP, THQP-PGFT, THQL-PGFTP, THQL-GFEP, THQB-GFT, THQB-GFEP, THQL-GFTS, THHQL-GFT, THHQL-GFTP, THHQL-PGFT, THHQL-PGFTP, THHQL-GFEP, THHQB-GFT, THHQB-GFEP, THHQL-GFTS, THQC-GF, THQL-GFT2 |
| THQL-DF | THQL-DF, THQL-DFP, THQL-PDF, THQL-PDFP, THQL-DFS, THQB-DF, THHQL-DF, THHQL-DFP, THHQL-PDF, THHQL-PDFP, THHQL-DFS, THHQB-DF |
| **TEY** | |
| TEY | TEYF, TEYL |
| TEYF | TEYL |
| **Formula** | |
| A2A | A2N |
| A1A | A1N |
| A2A-RM[2] | A2N-RM[2] |
| A1A-RM[2] | A1N-RM[2] |

[1]The RM suffix on the end of any THQL/THHQL breaker indicates the 3-tier series rating capability of the breaker. The breaker can be utilized for series ratings in ReliaMod® modular metering equipment, as well as other enclosures which specify its use.

[2]The RM suffix on the end of any A1 or A2 Formula breaker indicates its exclusive use in ReliaMod® modular metering equipment and that it comes with line side bus straps to connect to the meter stack it would be installed in vs line side lugs and cable. This is a UL Approved application for ABB 2-tier and 3-tier series ratings.

# ReliaMod® modular metering

## Series ratings

## Two-tier series ratings guide for modular metering

**UL two-tier series connected rating**

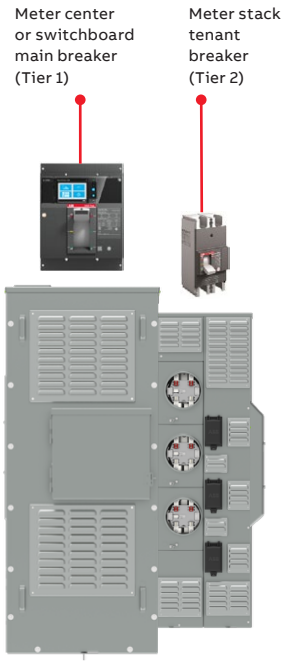
UL permits assigning a short-circuit rating (kAIC) to a combination of overcurrent protection devices connected in series that is higher than the lowest rated overcurrent protection device in the combination. This allows you to use lower kAIC downstream breakers, thus reducing the cost of your project. Series rating with UL standards in multi-family applications using the ABB empower configurator in conjunction with ABB series rating publication DET008 can greatly reduce the total cost of your bill of materials.

A two-tier series rating is common in a multi-family application with ABB ReliaMod® modular metering. It consists of two levels of overcurrent protection devices as outlined in the illustration.

- Tier 1: The meter center or switchboard main breaker
- Tier 2: The meter stack tenant breakers

A two-tier series rating system occurs when there is a UL tested and approved combination of two levels of overcurrent protection. In this system the short-circuit rating of the upstream protector is fully rated at its location, but the downstream overcurrent protector is not fully rated and has a lower interruption rating (kAIC) than the available fault current at its location. This is allowable by UL.

The below tables are a quick reference guide of some common UL recognized ABB two-tier series rating combinations between main breakers in meter centers (or switchboards) to downstream tenant breakers in meter stacks. This is a guide only, not all inclusive, and does NOT serve as official documentation. Please refer to the latest version of ABB series rating publication DET008 for the latest official UL recognized series ratings and documentation.




### TWO-TIER SERIES COMBINATIONS FOR 125A SOCKET APPLICATIONS

| Meter stack application | Upstream device (Tier 1) | | | Downstream device (Tier 2) | | | Series rated interrupting rating | | |
|---|---|---|---|---|---|---|---|---|---|
| Socket amperage | Main breaker frame | Amperage | Poles | Tenant breaker frame | Amperage | Poles | Symmetrical amps | Phase | Vac |
| 125A | T8V | 1400A-2000A | 2 and 3 | THQL | 40A-125A | 2 | 42,000 | 1 | 240 |
| | | | | THHQL-RM[1] | 40A-125A | 2 | 65,000 | 1 | |
| | | | | TEYF or TEYL | 60A-125A | 2 | 100,000 | 1 | |
| | E2.2SF (Emax 2) | 1400A-2000A | 2 and 3 | THHQL-RM[1] | 40A-225A | 2 | 65,000 | 1 | |
| | SS (PBII) | 1400A-2000A | 2 and 3 | THHQL-RM[1] | 40A-225A | 2 | 65,000 | 1 | |
| | XT7S | 1000A-1200A | 2 and 3 | THQL | 40A-125A | 2 | 65,000 | 1 | |
| | XT7H | | | TEY or TEYF | 60A-125A | 2 | 100,000 | 1 | |
| | XT6N | 800A | 2 and 3 | THQL | 40A-125A | 2 | 65,000 | 1 | |
| | XT6S | | | TEYF or TEYL | 60A-125A | 2 | 100,000 | 1 | |
| | XT5N | 400A-600A | 2 and 3 | THQL | 40A-125A | 2 | 65,000 | 1 | |
| | XT5S | | | THQL | 40A-125A | 2 | 100,000 | 1 | |

[1]THHQL-RM frame tenant breakers are different order code numbers with special series ratings compared to traditional THQL/THHQL breakers. Please see the tenant breaker section of the BuyLog for the complete offering of THHQL-RM frame breakers for ReliaMod® or ABB series rating publication DET008 for more info on series ratings.

### TWO-TIER SERIES COMBINATIONS FOR 225A SOCKET APPLICATIONS

| Meter stack application | Upstream device (Tier 1) | | | Downstream device (Tier 2) | | | Series rated interrupting rating | | |
|---|---|---|---|---|---|---|---|---|---|
| Socket amperage | Main breaker frame | Amperage | Poles | Tenant breaker frame | Amperage | Poles | Symmetrical amps | Phase | Vac |
| 225A | T8V | 1400A-2000A | 2 and 3 | Formula A1A or A2A | 40A-225A | 2 | 65,000 and 100,000 | 1 | 240 |
| | E2.2SF (Emax 2) | 1400A-2000A | 2 and 3 | Formula A1A or A2A | 40A-225A | 2 | 65,000 | 1 | |
| | E2.2VF (Emax 2) | | | | | 2 | 100,000 | 1 | |
| | SS (PBII) | 1400A-2000A | 2 and 3 | Formula A1A or A2A | 40A-225A | 2 | 65,000 | 1 | |
| | SH (PBII) | | | | | 2 | 100,000 | 1 | |
| | XT7S | 1000A-1200A | 2 and 3 | Formula A1A or A2A | 40A-225A | 2 | 65,000 | 1 | |
| | XT7H | | | | | 2 | 100,000 | 1 | |
| | XT6N | 800A | 2 and 3 | Formula A1A or A2A | 40A-225A | 2 | 65,000 | 1 | |
| | XT6S | | | | | 2 | 100,000 | 1 | |
| | XT5N | 400A-600A | 2 and 3 | Formula A1A or A2A | 40A-225A | 2 | 65,000 | 1 | |
| | XT5S | | | | | 2 | 100,000 | 1 | |

# ReliaMod® modular metering

## Series ratings

## Three-tier series ratings guide for modular metering

**UL three-tier series connected rating**

UL permits assigning a short-circuit rating (kAIC) to a combination of overcurrent protection devices connected in series that is higher than the lowest rated overcurrent protection device in the combination. This allows you to use lower kAIC downstream breakers, thus reducing the cost of your project. Series rating with UL standards in multi-family applications using the ABB empower configurator in conjunction with ABB series rating publication DET008 can greatly reduce the total cost of your bill of materials.

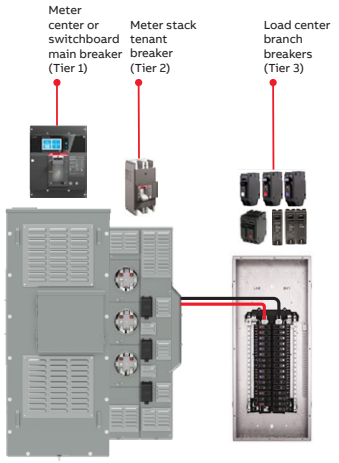
A three-tier series rating is common in a multi-family application with ABB ReliaMod® modular metering. It consists of three levels of overcurrent protection devices as outlined in the illustration.

- Tier 1: The meter center or switchboard main breaker
- Tier 2: The meter stack tenant breakers
- Tier 3: The load center branch breakers

A three-tier series rating system occurs when there is a UL tested and approved combination of three levels of overcurrent protection. In this system the short-circuit rating of the upstream protector is fully rated at its location, but both tiers of downstream overcurrent protectors are not fully rated and each has a lower interruption rating (kAIC) than the available fault current at its location. This is allowable by UL.

The below tables are a quick reference guide of some common UL recognized ABB three-tier series rating combinations between main breakers in meter centers (or switchboards) to downstream tenant breakers in meter stacks and downstream load center branch breakers. This is a guide only, not all inclusive, and does NOT serve as official documentation.

Please refer to the latest version of ABB series rating publication DET008 for the latest official UL recognized series ratings and documentation.




### THREE-TIER SERIES COMBINATIONS FOR 125A SOCKET APPLICATIONS

| Meter stack application | Main upstream device (Tier 1) | | | Meter stack tenant breakers (Tier 2) | | | Load center branch breakers (Tier 3) | | | Series rated interrupting rating | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Socket amperage | Main breaker frame | Amperage | Poles | Tenant breaker frame | Amperage | Poles | Branch breaker frame | Amperage | Poles | Symmetrical amps | Phase | Vac |
| 125A | T8V | 1400A-2000A | 2 and 3 | THHQL-RM[1] | 40A-125A | 2 | THQL (includes both thermal mag and eMCB[2]) | 15A-60A | 1 and 2 | 65,000 | 1 | 240 |
| | E2.2SF (Emax 2) | | | | | | | | | | | |
| | SS (PBII) | | | | | | | | | | | |
| | XT7S | 1000A-1200A | 2 and 3 | THHQL-RM[1] | 40A-125A | 2 | THQL (includes both thermal mag and eMCB[2]) | 15A-60A | 1 and 2 | 65,000 | 1 | |
| | XT6N | 800A | 2 and 3 | THHQL-RM[1] | 40A-125A | 2 | | 15A-60A | 1 and 2 | 65,000 | 1 | |
| | XT5N | 400A-600A | 2 and 3 | THHQL-RM[1] | 40A-125A | 2 | | 15A-60A | 1 and 2 | 65,000 | 1 | |

### THREE-TIER SERIES COMBINATIONS FOR 225A SOCKET APPLICATIONS

| Meter stack application | Main upstream device (Tier 1) | | | Meter stack tenant breakers (Tier 2) | | | Load center branch breakers (Tier 3) | | | Series rated interrupting rating | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Socket amperage | Main breaker frame | Amperage | Poles | Tenant breaker frame | Amperage | Poles | Branch breaker frame | Amperage | Poles | Symmetrical amps | Phase | Vac |
| 225A | T8V | 1400A-2000A | 2 and 3 | Formula A1A or A2A | 40A-225A | 2 | THQL (includes both thermal mag and eMCB[2]) | 15A-60A | 1 and 2 | 65,000 and 100,000 | 1 | 240 |
| | E2.2SF (Emax 2) | | | | | | | | | 65,000 | 1 | |
| | E2.2VF (Emax 2) | | | | | | | | | 100,000 | 1 | |
| | SS (PBII) | | | | | | | | | 65,000 | 1 | |
| | SH (PBII) | | | | | | | | | 100,000 | 1 | |
| | XT7S | 1000A-1200A | 2 and 3 | Formula A1A or A2A | 40A-225A | 2 | THQL (includes both thermal mag and eMCB[2]) | 15A-60A | 1 and 2 | 65,000 | 1 | |
| | XT7H | | | | | | | | | 100,000 | 1 | |
| | XT6N | 800A | 2 and 3 | Formula A1A or A2A | 40A-225A | 2 | | 15A-60A | 1 and 2 | 65,000 | 1 | |
| | XT6S | | | | | | | | | 100,000 | 1 | |
| | XT5N | 400A-600A | 2 and 3 | Formula A1A or A2A | 40A-225A | 2 | | 15A-60A | 1 and 2 | 65,000 | 1 | |
| | XT5S | | | | | | | | | 100,000 | 1 | |

[1]THHQL-RM frame tenant breakers are different order code numbers with special series ratings compared to traditional THQL/THHQL breakers. Please see the tenant breaker section of the BuyLog for the complete offering of THHQL-RM frame breakers for ReliaMod® or ABB series rating publication DET008 for more info on series ratings.
[2]eMCBs consist of ABB THQL electronic breakers: THQL-AF, THQL-DF, and THQL-GF in both 1P and 2P configurations from 15A-60A.

# ReliaMod® modular metering
## Phase balancing

1-Phase residential meter-sockets should be phase balanced when connected to 3-Phase source.

As much as possible, electricians want the system balanced. Hence for a 6 meter-socket installation, they will want:

2 meter-sockets on the A-B
2 meter-sockets on the A-C
2 meter-sockets on the B-C

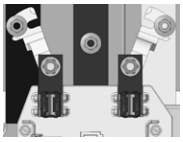
To phase-balance a system, electricians are often required to revise the factory setting. Hence connecting straps between meter-socket and the 3-phase lines need to be moved.

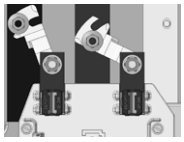
Below is a summary of the factory phase connections for all ABB 3-Phase in 1-Phase out meter stacks that can be adjusted in the field. To the right are instructions for the field phase balancing of standard residential sockets, without lever-bypass.

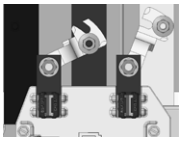
**Changing the phase balance in the field**

**Standard 125-225A meter-sockets, without lever-bypass**

1. Turn off power supplying this equipment
   **Note:** Phase balance strap 1 can be swiped between PH-A and PH-B. Phase balance strap 2 can be swiped between PH-B and PH-C.
2. Loosen phase-balance strap at vertical and meter-socket connection
3. Swipe strap to position required
4. Retighten strap at vertical and meter-socket connection. Torque 170 in-lbf.


Position A-C


Position A-B


Position B-C

**Factory phase connections in 3-phase in 1-phase out meter stacks**

| 1-gang | 2-gang | 3-gang | 4-gang | 5-gang | 6-gang |
|---|---|---|---|---|---|
| Top | Top | Top | Top | Top | Top |
| A-C | A-C | A-C | A-C | A-C | A-C |
| Bottom | A-B | A-B | A-B | A-B | A-B |
| | Bottom | B-C | B-C | B-C | B-C |
| | | Bottom *Balanced | A-C | A-C | A-C |
| | | | Bottom | A-B | A-B |
| | | | | Bottom | B-C |
| | | | | | Bottom *Balanced |

***3-gang and 6-gang meter stacks will always be evenly phase balanced from the factory.**

# ReliaMod® modular metering

## UL standard listing numbers

### ABB RELIAMOD® UL STANDARD LISTING AND FILE NUMBERS

| Modular Metering Equipment | UL Standard for Safety | ABB UL File No. |
|---|---|---|
| **Main Modules** | | |
| Main Breaker Modules, Main Fusible Switch Modules, Main Lug Modules | No. 67 Panelboards | E132253 |
| | No. 489 Molded Case Circuit breakers | E93565 |
| | No. 489 Molded Case Switches | E116595 |
| **Meter Modules** | | |
| Meter Stacks | No. 67 Panelboards | E132253 |
| Meter Sockets | No. 414 Meter Sockets | E125073 |
| **Tenant Main Breakers** | | |
| THQL, THHQL-RM | No. 489 Molded Case Circuit breakers | E11592 |
| TEY-MM, TEYF-MM, TEYL-MM | | |
| Formula A1, A2 | | E93565 |
| Tmax XT | | |
| **Accessories** | | |
| Surge Modules | No 1449 Surge Protective Devices, No. 1283 EMI/RFI Noise Filtering, No. 96A Lightning Protection System | E320456 |
| | No. 67 Panelboards | E132253 |
| Pull Boxes, Elbows, Spacers, GE to ABB Adapters | No. 67 Panelboards | E132253 |
| Meter Socket Accessories | No. 414 Meter Sockets | E125073 |
| Circuit Breaker Accessories | No. 489 Molded Case Circuit Breakers | E116596 |
| Other | No. 67 Panelboards | E132253 |
| | No. 489 Molded Case Switches | E116595 |

### Compression lug options

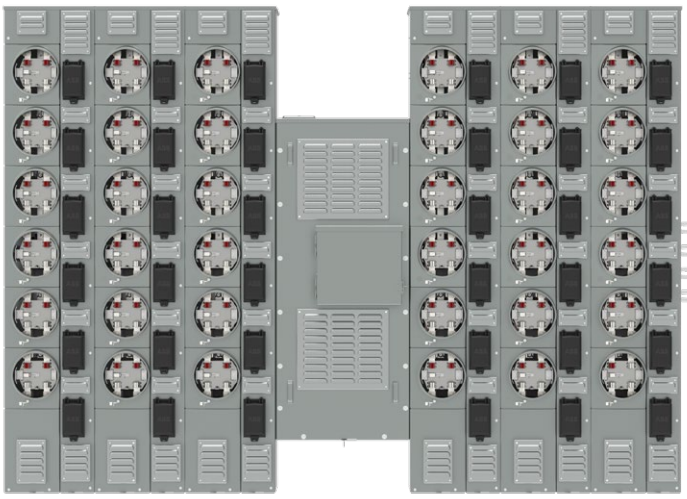
Not included in ABB ReliaMod® products. These are to be purchased and provided by others as needed for ReliaMod® mains and pull boxes that come with a lug landing pad.

### THE FOLLOWING UL LISTED COMPRESSION LUGS MAY BE USED

| | | ABB/ T&B | | Burndy | | Panduit | | MAC |
|---|---|---|---|---|---|---|---|---|
| Wire Size | CU only | CU/ AL | CU only | CU/ AL | CU only | CU/ AL | CU only | CU/ AL |
| 250 MCM | 54275 | 60256 | YA29-2LN | YA29A3 | LCC250-12 | LAB250-12 | MSB250-8N | MLB250-8N |
| | 54868BE | | YA29-2N | YA29AY-2N | | | MRB250-8N | MULB250-8N |
| 300 MCM | 54280 | 60262 | YA30-2LN | YA30A3 | LCC300-12 | LAB300-12 | MSB300-8N | MLB300-8N |
| | 54870BE | | YA30-2N | YA30AY-2N | | | MRB300-8N | MULB300-8N |
| 350 MCM | 54282 | 60267 | YA31-2LN | YA31A3 | LCC350-12 | LAB350-12 | MSB350-8N | MLB350-8N |
| | 54872BE | | YA31-2N | YA31AY-2N | | | MRB350-8N | MULB350-8N |
| 400 MCM | 54874 | 60269 | YA32-2LN | YA32A3 | LCC400-12 | LAB400-12 | MSB400-8N | MLB400-8N |
| | | | YA32-2N | YA32AY-2N | | | MRB400-8N | MULB400-8N |
| 500 MCM | 54266 | 60273 | YA34-2LN | YA34A3 | LCC500-12 | LAB500-12 | MSB500-8N | MLB500-8N |
| | 54876BE | | YA34-2N | YA34AY-2N | | | MRB500-8N | MULB500-8N |
| 600 MCM | 54289 | 60275 | YA36-2LN | YA36A3 | | LAB600-12 | MSB600-8N | MLB600-8N |
| | 54878BE | | YA36-2N | YA36AY-2N | | | MRB600-8N | MULB600-8N |
| 700 MCM | 54291 | 60277 | | | | | | |
| 750 MCM | 54223 | | YA39-2LN | | LCC750-12 | LAB750-12 | MSB750-8N | |
| | 54880BE | | YA39-2N | | | | MRB750-8N | |

# ReliaMod® modular metering

## Where Center-Feeding Main Modules is Required



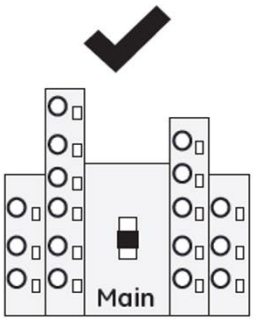
**Suitable for Center-Feed Applications only**

Horizontal bus is rated 1200 amps maximum. The load on the horizontal bus may not exceed 1200 amps in either direction from the point of connection of the main circuit breaker. Overall load is limited to the rating of the main circuit breaker.

For applications where the main module ampere rating is greater than that of the meter stack horizontal bus, the main module must be placed in the middle of the lineup (Figure A.) The engineer of record must provide calculations on the plans to show that the horizontal bussing will not be overloaded on either side. This situation, called "Center-Feeding", can happen in either 800A or 1200A horizontal bus meter stack applications, depending on the main ampere rating. Refer to chart below for amperage and bus information. **Note:** Figure B shows the incorrect calculations.

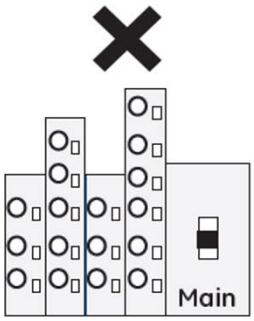
**DOES THE APPLICATION REQUIRE ELECTRICIAN TO CENTER-FEED THE MAIN MODULE?**

| Amps of Main Breaker, Lug or Switch | 800A Horizontal Bus | 1200 Horizontal Bus |
|---|---|---|
| 400A - 800A | No | No |
| 1000A | Yes | No |
| 1200A | Yes | No |
| 1400A | Yes | Yes |
| 1600A | Yes | Yes |
| 2000A | N/A | Yes |

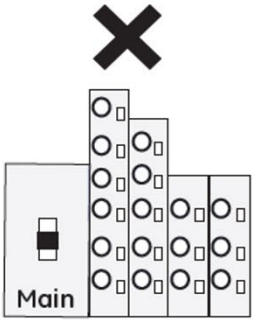



**Correct**
This configuration is centered and will balance the load between left and right-side horizontal bus leaving the main section

**Figure A**




**Incorrect**
This configuration will overload the left-side horizontal bus that leaves the main section



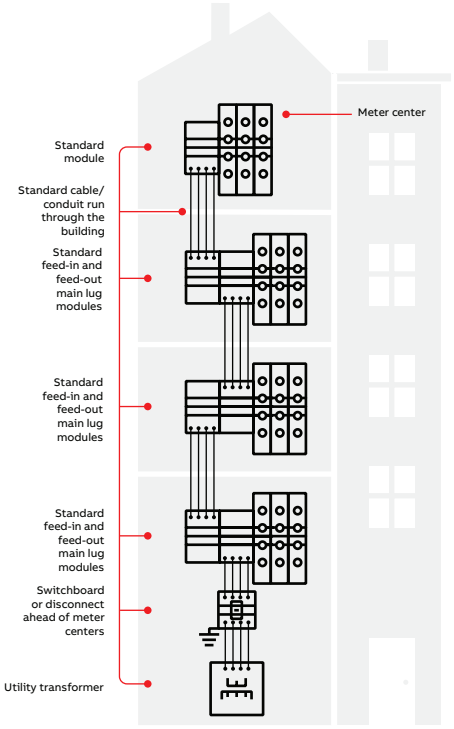

**Incorrect**
This configuration will overload the right-side horizontal bus that leaves the main section

**Figure B**

# ReliaMod® modular metering

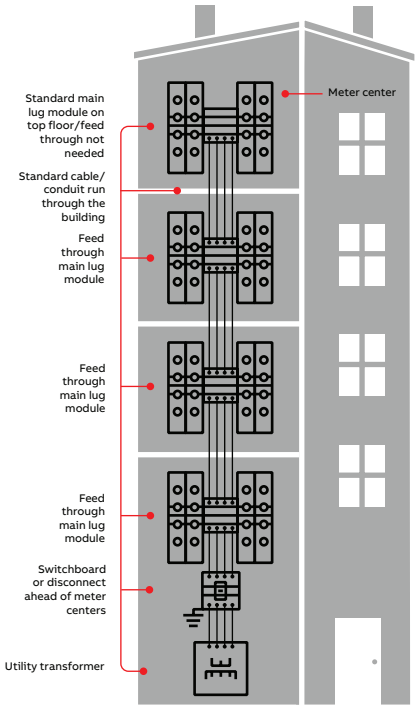
## Mid-rise and high-rise applications

### TRADITIONAL SOLUTION




Standard main lug modules to feed up through the floors takes up more space

### ABB RELIAMOD® FEED THROUGH LUG MODULE SOLUTION

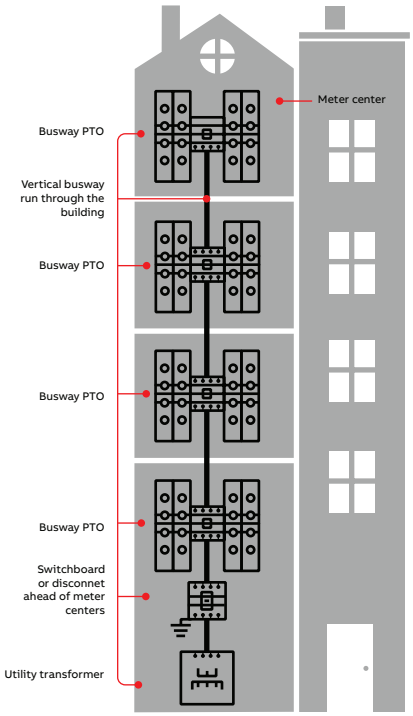



ABB's feed through main lug modules reduce the quantity of enclosures needed saving space in the electrical room and decreasing install time. ABB meter stacks can be mounted on either side of the main module.

ABB ReliaMod® feed through lug modules are available in 1200A, 1600A and 2000A models in both 1-phase and 3-phase

Space saving

### ABB RELIAMOD® BUSWAY POWER TAKE OFF (PTO) SOLUTION




Vertical busway that utilizes ABB's Busway Power Take Off (PTO) breaker solution to feed the meter centers on each floor, reduces the quantity of enclosures needed and saves space in the electrical room and decreasing install time. ABB meter stacks can be mounted on either side of the busway PTO.

ABB ReliaMod® Busway PTOs are available in 3-phase circuit breaker configurations 250A-1200A

Space saving

Cables/conduit costs saving

# ReliaMod® pack metering (Coming soon)

## Table of contents


| **ReliaMod® pack metering** | |
|---|---|
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| Ordering code construction | 2-66 |
| Ring-type and ringless socket | 2-67 |
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# ReliaMod® pack metering (Coming soon)

## Product overview

ReliaMod® Pack metering, the newest addition to the ReliaMod product family, is a compact, self-contained metering solution designed for single family attached, townhome, and condo residential applications. Engineered to meet the growing demand for NEC- and UL-compliant service disconnects, this all-in-one enclosure is offered in configurations from two to six meter sockets. ABB's product is compliant with NEC 2020 requirements including compartmentalization of disconnects and is available in 125A and 200A socket options.

**Features**

- UL compliant
- Indoor/outdoor construction
- Ring-type and ringless meter sockets
- Optional field installable kit for horn bypass
- Units with 125A or 200A sockets
- 2-6 sockets per enclosure
- Service underground/overhead, or solid top configurations for underground entrance only
- Series or fully rated up to 22kAIC at 120/240V
- 200A - 600A bus rating
- Design is compliant with new requirements added in NEC 2020 that improve overall safety on-site.

  - Section 230.71 - separated disconnects
  - Section 230.62 - line terminal barriers
  - Section 230.85 and 230.82 - emergency disconnects required and properly labeled

## ORDERING CODE CONSTRUCTION

| U | FT | 4 | R | 2 | 3 | 9 | 2 | 1 | UU | ABB |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Prefix**

U = UL Listed

**Prefix designation**

FT = Ringless , with Barrel lock design / .875 hole & innner tab

RT = Ring style front

**Number of meter position**

2, 3, 4, 5 or 6 Position

**Socket group identifier (R) only**

**Socket Amps**

1 = 125A Max (100A continuous)

2 = 200A Max (200A continuous)

**Line compartment location**

1 = 125A Center feed[1]

3 = 200A Center feed[1]

**Line connectors**

2 = #6 - 250 MCM

8 = (2) 2/0-250 MCM

9 = (2) 250-500 MCM

**Load connectors**

1 = #14 - 2/0 MCM

2 = #6 - 250 MCM

**Field installed breaker**

0 = THQL/THHQL-RM

1 = Formula A2A/A2N-3SB

**Suffix designators**

U = Large hub cover plate

UU = Large hub cover plate, Qty 2

A = Solid Top

[1]For odd number sockets, the higher number of sockets are to the right of the incoming line compartment

# ReliaMod® pack metering[2] (Coming soon)

## RING-TYPE AND RINGLESS SOCKET

| Socket amps (max) | No. of sockets[1] | Main ampere rating | Line lugs per phase and neutral | Line ground | Load neutral | Load ground | Ordering code Ring-type socket | Ordering code Ringless socket |
|---|---|---|---|---|---|---|---|---|
| 125 | 2 | 200 | #6-250 MCM | #14-1/0 | #14-2/0 | #14-2/0 | URT2R11210UABB | UFT2R11210UABB |
| | 3 | 400 | (2) 2/0-250 MCM | #14-1/0 | #14-2/0 | #14-2/0 | URT3R11810UUABB | UFT3R11810UUABB |
| | 4 | 400 | (2) 2/0-250 MCM | #14-1/0 | #14-2/0 | #14-2/0 | URT4R11810UUABB | UFT4R11810UUABB |
| | 5 | 600 | (2) 250-500 MCM | #14-1/0 | #14-2/0 | #14-2/0 | URT5R11910UUABB | UFT5R11910UUABB |
| | 6 | 600 | (2) 250-500 MCM | #14-1/0 | #14-2/0 | #14-2/0 | URT6R11910UUABB | UFT6R11910UUABB |
| 200 | 2 | 400 | (2) 250-500 MCM | #14-2/0 | #6-250MCM | #14-2/0 | URT2R23921UUABB | UFT2R23921UUABB |
| | 3 | 600 | (2) 250-500 MCM | #14-2/0 | #6-250MCM | #14-2/0 | URT3R23921UUABB | UFT3R23921UUABB |
| | 4 | 600 | (2) 250-500 MCM | #14-2/0 | #6-250MCM | #14-2/0 | URT4R23921UUABB | UFT4R23921UUABB |
| | 5 | 600 | (2) 250-500 MCM | #14-2/0 | #6-250MCM | #14-2/0 | URT5R23921UUABB | UFT5R23921UUABB |
| | 6 | 600 | (2) 250-500 MCM | #14-2/0 | #6-250MCM | #14-2/0 | URT6R23921UUABB | UFT6R23921UUABB |

[1] For odd number socket configurations, the higher quantity of sockets are to the right of the incoming line compartment
[2] Additional skus with solid tops are available for purchase. Replace the "U" or "UU" in the sku with an "A" and solid top enclosures can be purchased.

## RELIAMOD® PACK METERING 2-POLE TENANT MAIN SERVICE DISCONNECT BREAKERS - 125A SOCKET ONLY

| Amps | 10 kAIC | 22 kAIC |
|---|---|---|
| 40 | THQL2140 | THHQL2140RM |
| 50 | THQL2150 | THHQL2150RM |
| 60 | THQL2160 | THHQL2160RM |
| 70 | THQL2170 | THHQL2170RM |
| 80 | THQL2180 | THHQL2180RM |
| 90 | THQL2190 | THHQL2190RM |
| 100 | THQL21100 | THHQL21100RM |
| 110 | THQL21110 | THHQL21110RM |
| 125 | THQL21125 | THHQL21125RM |

## RELIAMOD® PACK METERING 2-POLE TENANT MAIN SERVICE DISCONNECT BREAKERS - 200A SOCKET ONLY

| Amps | 10 kAIC | 22 kAIC |
|---|---|---|
| 125 | A2A125CTL-3SB | A2N125CTL-3SB |
| 150 | A2A150CTL-3SB | A2N150CTL-3SB |
| 175 | A2A175CTL-3SB | A2N175CTL-3SB |
| 200 | A2A200CTL-3SB | A2N200CTL-3SB |

## RING-TYPE AND RINGLESS SOCKET DIMENSIONS

| Ordering code | W (in) | H (in) | D (in) | Weight (lb) |
|---|---|---|---|---|
| UFT2R11210UABB | 24.93 | 28.15 | 5.50 | 65 |
| UFT2R23921UUABB | 31.42 | 28.15 | 5.49 | 76 |
| UFT3R11810UUABB | 40.04 | 28.14 | 5.68 | 96 |
| UFT3R23921UUABB | 40.04 | 28.15 | 5.68 | 96 |
| UFT4R11810UUABB | 48.63 | 28.15 | 5.68 | 118 |
| UFT4R23921UUABB | 48.63 | 28.15 | 5.68 | 116 |
| UFT5R11910UUABB | 57.24 | 28.15 | 5.68 | 140 |
| UFT5R23921UUABB | 57.24 | 28.17 | 5.68 | 136 |
| UFT6R11910UUABB | 65.86 | 28.15 | 5.68 | 162 |
| UFT6R23921UUABB | 65.86 | 28.17 | 5.68 | 156 |
| URT2R11210UABB | 24.93 | 28.14 | 5.68 | 65 |
| URT2R23921UUABB | 31.42 | 28.14 | 5.67 | 76 |
| URT3R11810UUABB | 40.04 | 28.15 | 5.68 | 96 |
| URT3R23921UUABB | 40.04 | 28.15 | 5.68 | 96 |
| URT4R11810UUABB | 48.63 | 28.15 | 5.50 | 118 |
| URT4R23921UUABB | 48.63 | 28.15 | 5.68 | 116 |
| URT5R11910UUABB | 57.24 | 28.15 | 5.68 | 140 |
| URT5R23921UUABB | 57.24 | 28.17 | 5.68 | 136 |
| URT6R11910UUABB | 65.86 | 28.14 | 5.68 | 162 |
| URT6R23921UUABB | 65.86 | 28.17 | 5.68 | 156 |

# ReliaMod® pack metering accessories (Coming soon)

## ACCESSORIES

| Description | Standard Package Qty | Ordering code |
|---|---|---|
| Grounded fifth terminal | 10 | ARP02223ABB |
| RM Pack Horn bypass - 125A | 5 | ARP02234ABB |
| RM Pack Horn bypass - 200A | 5 | ARP02224ABB |
| Reduces 5 X 5 hub opening to small hub opening | 10 | ARP00015ABB |
| BOH Cover Plate (LG) | 12 | ARP00016ABB |
| 2 in. Bolt-on Hub (5 X 5 Adp.) | 5 | ARP00017ABB |
| 2 1/2 in. Bolt-on Hub (5 X 5 Adp.) | 5 | ARP00018ABB |
| 3 in. Bolt-on Hub (5 X 5 Base) | 5 | ARP00019ABB |
| 3 1/2 in. Bolt-on Hub (5 X 5 Base) | 5 | ARP00020ABB |
| 4 in. Bolt-on Hub (5 X 5 Base) | 5 | ARP00021ABB |

# Horizontal metering

## Table of contents


| **Horizontal metering** | |
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| Ordering code construction | 2-70 |
| Single phase, ringless type | 2-71 |

# Horizontal metering

## Product overview

For commercial applications, meter gangs are needed to service applications like strip malls, mixed use buildings and other types of commercial buildings where 1PH or 3PH 600V power is coming into the building.

**Features**

- Single phase
- UL Listed
- Selected items are utility approved
- NEMA 3R enclosure
- Multiple hub opening and closure plate sizes available
- Hub opening in top endwall, requires use of a bolt-on hub or closing plate
- 1Ø, 600 Vac maximum
- Main lugs only
- End or center feed
- Overhead and underground service feeds
- 10 kAIC short circuit rating (or higher with utility approval)

### ORDERING CODE CONSTRUCTION

| U | T | 2R | 1 | 1 | 21 | B | FL | GE |
|---|---|---|---|---|---|---|---|---|

**Standard Prefix**

| |
|---|
| U = UL Labeled |

**Additional Features**

| |
|---|
| B = Barrel Lock |
| F = Barrel Lock and Lock Guard |
| G = Grounded Fifth Terminal |
| H = Horn Bypass |
| R = Ring Style |
| T = Grounding Connector (#14-#2 CU-AL) |
| Z = 5/16” Hex Head Connector Screw |

**Product Group Designation**

| |
|---|
| 2, 3, 4, 5 or 6 Position Residential Service |

**Ampere Rating**

| |
|---|
| 1 = 100 Amps |
| 2 = 200 Amps |
| 5 = 150 Amps |

**Utility Approval (if applicable)**

| |
|---|
| FL = Meter Equipment Group Approved |
| KC = KCP&L |

**Standard Suffixes**

| |
|---|
| B = Small Hub Opening |
| C = Small Hub Cover Plate |
| T = Large Hub Opening |
| U = Large Hub Cover Plate |

**Maximum Conductor (Line & Load)**

| |
|---|
| 1 = #2/0 Connectors |
| 2 = #250 kcmil Connectors |
| 3 = #350 kcmil Connectors |
| 5 = #500 kcmil Connectors |
| 9 = Dual #500 kcmil Connectors |

**Service Design**

| |
|---|
| 1 = Combination Overhead/Underground |
| 2 = Underground, Side Wired |
| 3 = Combination, Overhead/Underground, Side Wired |
| 6 = Left or Right Feed |

# Horizontal metering

## SINGLE PHASE, RINGLESS

| Amp | Gang | Feed type | Overhead/ underground line feed | Line wire range | Ground lug size | Triplex ground | No. of terminals | Lever bypass | Horned bypass | Hub type | Enclosure N3R | UL & utility approved | Ordering code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 2 | End | Top/bottom | #6-250MCM line #8-2/0 load | No ground | N | 4 | N | N | (2) Small hub cover plates | G90 steel | UL | U2R1421CGE |
| | | Center | Top/bottom | #6-250MCM line #8-2/0 load | No ground | N | 4 | N | Y | Small hub opening | | UL | UBH2R1121BGE |
| | | Center | Top/bottom | #6-250MCM #8-2/0 line load | (1) #14-2 | Y | 4 | N | N | Small hub opening | | UL, CMP | UT2R1121BGE |
| | | Center | Top/bottom | #6-250MCM line #8-2/0 load | (1) #14-2 | Y | 4 | N | N | Large hub cover plate | | UL, MEG | UTZ2R1121CFLGE |
| | 3 | Center | Top/bottom | #6-250MCM line #8-2/0 load | No ground | N | 4 | N | Y | Small hub opening | | UL | UBH3R1121BGE |
| | | Center | Top/bottom | #6-250MCM line #8-2/0 load | (1) #14-2 | Y | 4 | N | N | Small hub opening | | UL, CMP | UT3R1121BGE |
| | | Center | Top/bottom | #6-250MCM line #8-2/0 load | (1) #14-2 | Y | 4 | N | N | Large hub cover plate | | UL, MEG | UTZ3R1121CFLGE |
| | 4 | Center | Top/bottom | #6-250MCM line #8-2/0 load | (1) #14-2 | Y | 4 | N | N | Small hub opening | | UL, CMP | UT4R1121BGE |
| | | Center | Top/bottom | #6-250MCM line #8-2/0 load | (1) #14-1/0 | Y | 4 | N | N | Large hub cover plate | | UL, MEG | UTZ4R1121CFLGE |
| | 5 | Center | Top/bottom | #6-250MCM line #8-2/0 load | (1) #14-2 | Y | 4 | N | N | Small hub opening | | UL, CMP | UT5R1121BGE |
| | | Center | Top/bottom | #6-250MCM line #8-2/0 load | (1) #14-2/0 | Y | 4 | N | N | (2) Large hub cover plates | | UL, MEG | UTZ5R1121CFLGE |
| | 6 | Center | Top/bottom | #6-350MCM line #8-2/0 load | (1) #14-2 | Y | 4 | N | N | Small hub opening | | UL, CMP | UT6R1131BGE |
| | | Center | Top/bottom | #6-250MCM line #8-2/0 load | (1) #14-2/0 | Y | 4 | N | N | (2) Large hub cover plates | | UL, MEG | UTZ6R1131CFLGE |
| 150 | 2 | Center | Top/bottom | #6-350MCM line #8-250MCM load | No ground | N | 5 | N | N | Small hub cover plate | | UL, KCP&L | UG2R5332CKCGE |
| | | Center | Top/bottom | #6-350MCM line #8-250MCM load | (1) #14-2 | Y | 4 | N | N | Small hub opening | | UL | UT2R5332BGE |
| | 3 | End | Top/bottom | #6-350MCM line #8-250MCM load | (1) #14-2 | Y | 4 | N | N | (1) Small hub opening (1) Small hub cover plate | | UL | UT3R5632BGE |
| | 4 | End | Top/bottom | #6-350MCM line #8-250MCM load | (1) #14-2 | Y | 4 | N | N | (1) Small hub opening (1) Small hub cover plate | | UL | UT4R5632BGE |

**(continued on next page)**

# Horizontal metering

## SINGLE PHASE, RINGLESS

| Amp | Gang | Feed type | Overhead/ underground line feed | Line wire range | Ground lug size | Triplex ground | No. of terminals | Lever bypass | Horned bypass | Hub type | Enclosure N3R | UL & utility approved | Ordering code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 200 | 2 | Center | Top/bottom | 3/8" STUDS #8-250MCM line load | No ground | N | 4 | N | N | Large hub cover plate | G90 steel | UL, DTE | 1006737BGE |
| | | Center | Top/bottom | #6-350MCM line #8-250MCM load | No ground | N | 4 | N | N | Large hub cover plate | | UL | U2R2332UGE |
| | | Center | Top/bottom | #6-350MCM line #8-250MCM load | No ground | N | 4 | N | Y | Large hub opening | | UL | UBH2R2332TGE |
| | | Center | Top/bottom | #8-350MCM line #8-250MCM load | (1) #14-2 | Y | 4 | N | Y | Large hub opening | | UL, AEP | UFHT2R2332TGE |
| | | Center | Top/bottom | #6-350MCM line #8-250MCM load | (1) #14-2 | Y | 4 | N | Y | Large hub opening | | UL | UHT2R2332TGE |
| | | Center | Top/bottom | #6-350MCM line #8-250MCM load | (1) #14-2 | Y | 4 | N | N | Large hub opening | | UL, CMP | UT2R2332TGE |
| | | Center | Top/bottom | #6-350MCM line #8-250MCM load | (1) #14-2 | Y | 4 | N | N | Large hub cover plate | | UL, SCE&G | UT2R2332UGE |
| | | Center | Top/bottom | #6-250MCM line #8-2/0 load | (1) #14-2 | Y | 4 | N | N | Small hub cover plate | | UL, MEG | UT2R2332UFLGE |
| | 3 | Center | Top/bottom | #6-350MCM line #8-250MCM load | No ground | N | 4 | N | Y | Large hub opening | | UL | UBH3R2332TGE |
| | | Center | Top/bottom | #6-350MCM line #8-250MCM load | (1) #14-2 | Y | 4 | N | Y | Large hub opening | | UL, AEP | UFHT3R2332TGE |
| | | Center | Top/bottom | #6-350MCM line #8-250MCM load | (1) #14-2 | Y | 4 | N | Y | Large hub opening | | UL | UHT3R2332TGE |
| | | Center | Top/bottom | #6-350MCM line #8-250MCM load | (1) #14-2 | Y | 4 | N | N | Large hub opening | | UL, CMP | UT3R2332TGE |
| | | Center | Top/bottom | #6-350MCM line #8-250MCM load | (1) #14-2 | Y | 4 | N | N | Large hub cover plate | | UL, SCE&G | UT3R2332UGE |
| | | Center | Top/bottom | #6-250MCM line #8-2/0 load | (1) #14-2 | Y | 4 | N | N | Small hub cover plate | | UL, MEG | UT3R2332UFLGE |
| | 4 | Center | Top/bottom | 1/0-500MCM line #8-250MCM load | (1) #14-1/0 | Y | 4 | N | Y | Large hub opening | | UL, AEP | UFHT4R2352TGE |
| | | Center | Top/bottom | 1/0-500MCM line #8-250MCM load | (1) #14-2 | Y | 4 | N | Y | Large hub opening | | UL | UHT4R2352TGE |
| | | Center | Top/bottom | 1/0 - 500MCM line #8-250MCM load | (1) #14-1/0 | Y | 4 | N | N | Large hub opening | | UL, CMP | UT4R2352TGE |
| | | Center | Top/bottom | 1/0-500 MCM line #8-250MCM load | (1) #14-1/0 | Y | 4 | N | N | Large hub cover plate | | UL, SCE&G | UT4R2352UGE |
| | | Center | Top/bottom | #6-250MCM line #8-2/0 load | (1) #14-2 | Y | 4 | N | N | Small hub cover plate | | UL, MEG | UT4R2352UFLGE |
| | 5 | Center | Top/bottom | 1/0-500MCM line #8-250MCM load | (1) #14-2/0 | Y | 4 | N | N | (2) Large hub cover plates | | UL | GEKR5CS1ET |
| | | Center | Top/bottom | 1/0-500MCM line #8-250MCM load | (1) #14-2/0 | Y | 4 | N | Y | (2) Large hub openings | | UL, AEP | UFHT5R2392TTGE |
| | | Center | Top/bottom | 1/0-500MCM line #8-250MCM load | (1) #14-2/0 | Y | 4 | N | N | (2) Large hub openings | | UL, CMP | UT5R2392TTGE |
| | | Center | Top/bottom | #6-250MCM line #8-2/0 load | (1) #14-2 | Y | 4 | N | N | Small hub cover plate | | UL, MEG | UT5R2392UUFLGE |
| | 6 | Center | Top/bottom | 1/0-500MCM line #8-250MCM load | (1) #14-2/0 | Y | 4 | N | N | (2) Large hub cover plates | | UL | GEKR6CS1ET |
| | | Center | Top/bottom | 1/0-500MCM line #8-250MCM load | (1) #14-2/0 | Y | 4 | N | Y | (2) Large hub openings | | UL, AEP | UFHT6R2392TTGE |
| | | Center | Top/bottom | 1/0-500MCM line #8-250MCM load | (1) #14-2/0 | Y | 4 | N | Y | (2) Large hub openings | | UL | UHT6R2392TTGE |
| | | Center | Top/bottom | 1/0-500MCM line #8-250MCM load | (1) #14-2/0 | Y | 4 | N | N | (2) Large hub openings | | UL, CMP | UT6R2392TTGE |
| | | Center | Top/bottom | #6-350MCM line #8-2/0 load | (1) #14-2 | Y | 4 | N | N | Small hub cover plate | | UL, MEG | UT6R2392UUFLGE |

# Horizontal metering field installed accessories

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# Horizontal metering field installed accessories

ARP00035GE

ARP00920GE

Small Hub

Large Hub

## ACCESSORIES

| Description | Standard Package Qty | Ordering code |
|---|---|---|
| 5th terminal kit H4330 parts | 10 | ARP00326GE |
| Connector kit (2) 350MCM-#6 lever bypass | 1 | ARP00427GE |
| HQ bolt shield | 1 | ARP01595GE |
| Anti-inversion clip | 1 | ARP00984GE |
| Connector kit #4-600MCM | 1 | ARP00129GE |
| DTE auxiliary service kit | 10 | ARP01590GE |
| 5th jaw | 10 | ARP00035GE |
| Auxiliary contacts enclosure G90 | 1 | 1006630AGE |
| Plastic meter socket cover plate | 1 | ARP00920GE |
| Single socket 600MCM lug kit | 1 | ARP00118GE |
| Single socket 600MCM or (2) 250MCM lug kit | 1 | ARP00429GE |

## HUB KITS

| Description | Standard Package Qty | Ordering code |
|---|---|---|
| 1" Hub kit, small | 10 | ARP00003GE |
| 1.25" Hub kit, small | 10 | ARP00004GE |
| 1.5" Hub kit, small | 10 | ARP00005GE |
| 2" Hub kit, small | 10 | ARP00006GE |
| 2.5" Hub kit, small | 10 | ARP00007GE |
| 2" Hub kit, large | 10 | ARP00017GE |
| 2.5" Hub kit, large | 10 | ARP00018GE |
| 3" Hub kit, large | 10 | ARP00019GE |
| 3.5" Hub kit, large | 10 | ARP00020GE |
| 4" Hub kit, large | 10 | ARP00021GE |

## HUB COVER PLATES

| Description | Standard Package Qty | Ordering code |
|---|---|---|
| Small hub cover plate for 3 5/16" hub openings - steel | 10 | ARP00002GE |
| Small hub cover plate for 3 5/16" hub openings - aluminum | 10 | ARP00008GE |
| Large hub cover plate for 5" hub openings - steel | 10 | ARP00016GE |
| Large hub cover plate for 5" hub openings - aluminum | 10 | ARP00023GE |