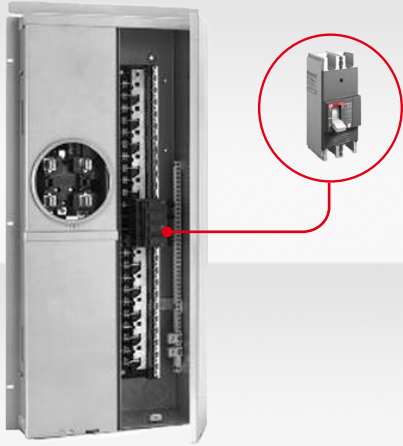




RESIDENTIAL SOLUTIONS

PowerMark Gold™ Meter Socket

Featuring ABB FORMULA A1 and A2 circuit breakers



PowerMark Gold Meter Socket Load Centers (MSLCs) have been enhanced to incorporate ABB's advanced FORMULA A1 and A2 circuit breakers providing increased product reliability and maximum circuit layout flexibility for residential applications. In addition, a side swing door has been added to some MSLCs to help increase safety and improve ease of access.

— PowerMark Gold Meter Socket Load Center

PowerMark Gold Meter Socket Load Centers' robust and unique features enable a fast and easy installation helping save time and money. MSLCs are equipped with raised neutral screws to help reduce wiring time. The easy-to-wire full-length neutrals help minimize installation time and reduce labor costs. What's more, the tangential knockouts decrease conduit bending time. In addition, the back keyholes and slotted side holes help simplify mounting.

PowerMark Gold MSLCs have been enhanced to incorporate the ABB's advanced FORMULA A circuit breakers providing increased product reliability and maximum circuit layout flexibility. Plus, a side swing door has been added to some MSLCs to help increase safety and improve ease of access to the MSLC interior.

ABB FORMULA A circuit breakers highlights include:

- Quick and easy selection and ordering with fewer stock keeping unit (SKU) needed
- Full product range to meet various applications
- Reduced circuit breaker depths

ABB FORMULA A1 and A2 circuit breakers reach up to 100A and 250A respectively. Both frames are available with a fixed version that has front terminals. The protection trip unit has fixed thermal and magnetic

threshold values for putting the circuit breaker into service more rapidly. A reduced number of sales codes simplifies selection and makes ordering easier. ABB FORMULA A1 and A2 circuit breakers meet IEC 60947-2 standard and are UL 489 certified.

MSLCs' features and technical specifications vary depending on the style. Please refer to the product [website](#) for a complete list.

MSLCs' styles

- 225A style with bonded neutrals
- Colorado style with bonded neutrals
- Farm panel with bonded neutrals
- Meter main with feed-thru lug
- Narrow style with bonded neutral
- Wide style with bonded neutrals
- Ringless UL style (Florida Meter Equipment Group approved and others)
- Ringless UL style (Georgia Power approved)

MSLCs are used for numerous indoor and outdoor applications such as:

- New home construction
- Home remodeling
- Service upgrades
- Light commercial

FORMULA A1 and A2 are the accumulation of ABB's long history of developing effective circuit breakers. They are designed to be a simple breaker providing a high level of quality and versatility.

—
ABB FORMULA A1 and
A2 circuit breakers



SKUs featuring ABB Formula A1 and A2 circuit breakers

| Cat# | In scope / out of scope | Cat# description | Socket rating | Main Amp rating | Sc rating | Socket type | Socket bypass type |
|---------------|----------------------------|--|------------------|--------------------|-----------|-------------|-----------------------|
| TM10RMC | In scope | MtrMain Ring 100A Surf 0/0 Ckt OH/UG N3R | 200 | 100 | 10 kA | Ring | None |
| TM10RMCFMG | In scope | MtrMain Rgls 100A S 0/0 Ct OH/UG N3R MEG | 200 | 100 | 10 kA | Ringless | None |
| TM12RMCFMG | In scope | MtrMain Rgls 125A S 0/0 Ct OH/UG N3R MEG | 200 | 125 | 10 kA | Ringless | None |
| TM12RMC | In scope | MtrMain Ring 125A Surf 0/0 Ckt OH/UG N3R | 200 | 125 | 10 kA | Ring | None |
| TM15RMCFMG | In scope | MtrMain Rgls 150A S 0/0 Ct OH/UG N3R MEG | 200 | 150 | 10 kA | Ringless | None |
| TSMR015CSGP | In scope | MSLC MB Rgl 150A 0/0 S UG/OH GA Power | 200 | 150 | 10 kA | Ringless | None |
| TM15RMC | In scope | MtrMain Ring 150A Surf 0/0 Ckt OH/UG N3R | 200 | 150 | 10 kA | Ring | None |
| TM20RMC | In scope | MtrMain Ring 200A Surf 0/0 Ckt OH/UG N3R | 200 | 200 | 10 kA | Ring | None |
| TSMR020CSGP | In scope | MSLC MB Rgl 200A 0/0 S UG/OH GA Power | 200 | 200 | 10 kA | Ringless | None |
| TM20RMCFMG | In scope | MtrMain Rgls 200A S 0/0 Ct OH/UG N3R MEG | 200 | 200 | 10 kA | Ringless | None |
| TSD032UFUCU | In scope | MSLC MCBDual Ring 320A 0/0 S/F UG 22K | 400 | 320 | 22 kA | Ring | None |
| TSDR032UFUCU | In scope | MSLC Du-MB Rngs 320A 22K 00 SF UG LB EUS | 400 | 320 | 22 kA | Ringless | Lever bypass |
| TSDR040UFUCU | In scope | MSLC Du-MB Rngs 400A 22K 00 SF UG LB EUS | 400 | 400 | 22 kA | Ringless | Lever Bypass |
| TSDR830USCU | In scope | MSLC Du-MB Rgls 300A22K 816 SF UG LB MEG | 400 | 300 | 22 kA | Ringless | Lever Bypass |
| TSDR830CFCUGP | In scope | MSLC Du-MB Rgls 300A22K 8/16 F UG LB GP | 400 | 300 | 22 kA | Ringless | None |
| TM2432RMS | In scope | MSLC MCB Dual Ring 320A 24/40 SF UG EUSC | 400 | 320 | 10 kA | Ring | None |
| TM2440RMRS | In scope | MSLC MCBDual Rngls 400A 24/40 SF UG EUSC | 400 | 400 | 10 kA | Ringless | Lever Bypass |
| TM2440RMS | In scope | MSLC MCB Dual Ring 400A 24/40 SF UG EUSC | 400 | 400 | 10 kA | Ring | None |
| TSDR840CFCUGP | In scope | MSLC Du-MB Rgls 400A22K 8/16 F UG LB GP | 400 | 400 | 22 kA | Ringless | None |
| TSDR840UFUCU | In scope | MSLC Du-MB Rgls 400A22K 816 SF UG LB MEG | 400 | 400 | 22 kA | Ringless | Lever Bypass |

Key benefits

- Many MSLCs feature ABB Formula A1 and A2 circuit breakers that provide the latest breaker technology and allow for a smooth supply chain process (see table below for affected SKUs)
- Many MSLCs are enhanced with side swing doors allowing easier installation and service to the MSLCs (see table below for affected SKUs)
- Full-length neutrals are easier to wire, reducing installation time and cost
- Raised neutral screws help reduce wiring time
- Tin-plated sturdy copper bus and galvanized box help increase durability and reliability

Key features

- Accepts GE Q-Line branch breakers, including the exclusive GE 1/2" THQPs
- Suitable for use as service entrance equipment when installed in accordance with the National Electric Code (NEC)
- Utility approvals for MEG, GP, ARS, SRP, EUSERC, Xcel, PSC-Colorado, AEP and others
- UL67 barrier update for A1/A2
- MSLC with feed-thru lugs available
- Ring, ringless, ringless horn bypass, ringless lever bypass and link bypass options available

| Cat# | Front type | Utility type | Old breaker part # | New breaker | Breaker rating | Breaker Qty | New Breaker Kit with Lugs |
|---------------|--------------|--------------|--------------------|-------------|----------------|-------------|---------------------------|
| TM10RMC | Surface | UL | TQD22100 | A1A100TW-2 | 100 | 1 | A1A100CT-2 |
| TM10RMCFMG | Surface | MEG | TQD22100 | A1A100TW-2 | 100 | 1 | A1A100CT-2 |
| TM12RMCFMG | Surface | MEG | TQD22125WLSB | A2A125TW-2 | 125 | 1 | A2A125CT-2 |
| TM12RMC | Surface | UL | TQD22125WLSB | A2A125TW-2 | 125 | 1 | A2A125CT-2 |
| TM15RMCFMG | Surface | MEG | TQD22150WLBPSB | A2A150TW-2 | 150 | 1 | A2A150CT-2 |
| TSMR015CSGP | Surface | UL / GP | TQD22150WLBPSB | A2A150TW-2 | 150 | 1 | A2A150CT-2 |
| TM15RMC | Surface | UL | TQD22150WLBPSB | A2A150TW-2 | 150 | 1 | A2A150CT-2 |
| TM20RMC | Surface | UL | TQD22200WLBPSB | A2A200TW-2 | 200 | 1 | A2A200CT-2 |
| TSMR020CSGP | Surface | UL / GP | TQD22200WLBPSB | A2A200TW-2 | 200 | 1 | A2A200CT-2 |
| TM20RMCFMG | Surface | MEG | TQD22200WLBPSB | A2A200TW-2 | 200 | 1 | A2A200CT-2 |
| TSD032UFCU | Surface/Semi | UL | THQD22200WL | A2N200TW-2 | 200 | 1 | A2N200CT-2 |
| TSDR032UFCU | Surface/Semi | UL | THQD22200WL | A2N200TW-2 | 200 | 1 | A2N200CT-2 |
| TSDR040UFCU | Surface/Semi | UL | THQD22200WL | A2N200TW-2 | 200 | 1 | A2N200CT-2 |
| TSDR830USCU | Surface | UL&FMG | THQD22150WL/X2 | A2N150TW-2 | 150 | 2 | A2N150CT-2 |
| TSDR830CFCUGP | Semiflush | UL | THQD22150WL/X2 | A2N150TW-2 | 150 | 2 | A2N150CT-2 |
| TM2432RMS | Surface/Semi | UL | TQD22200X2BP | A2A200TW-2 | 200 | 1 | A2A200CT-2 |
| TM2440RMRS | Semiflush | UL / Xcel | TQD22200X2BP | A2A200TW-2 | 200 | 1 | A2A200CT-2 |
| TM2440RMS | Semiflush | UL | TQD22200X2BP | A2A200TW-2 | 200 | 1 | A2A200CT-2 |
| TSDR840CFCUGP | Semiflush | UL | THQD22200WL | A2N200TW-2 | 200 | 2 | A2N200CT-2 |
| TSDR840UFCU | Surface | UL&FMG | THQD22200X2 | A2N200TW-2 | 200 | 1 | A2N200CT-2 |

Secondary and replacement main breaker kits

| 11 Breaker assemblies description | | | Breaker | New FORMULA speaking code |
|-----------------------------------|----------------|--------------------|------------|---------------------------|
| Item | Product number | Description | | |
| 1 | A1A100-4 | A1A100 WITH 4 LUGS | A1A100TW-2 | A1A100TL-4 |
| 2 | A2A125-4 | A2A125 WITH 4 LUGS | A2A125TW-2 | A2A125CTL-4 |
| 3 | A2A150-4 | A2A150 WITH 4 LUGS | A2A150TW-2 | A2A150CTL-4 |
| 4 | A2A200-4 | A2A200 WITH 4 LUGS | A2A200TW-2 | A2A200CTL-4 |
| 5 | A2A200-2 | A2A200 WITH 2 LUGS | A2A200TW-2 | A2A200CTL-2 |
| 6 | A2N200-4 | A2N200 WITH 4 LUGS | A2N200TW-2 | A2N200CTL-4 |
| 7 | A2N150-4 | A2N150 WITH 4 LUGS | A2N150TW-2 | A2N150CTL-4 |
| 8 | A2N200-2 | A2N200 WITH 2 LUGS | A2N200TW-2 | A2N200CTL-2 |
| 9 | A2N150-2 | A2N150 WITH 2 LUGS | A2N150TW-2 | A2N150CTL-2 |
| 10 | A2A175-4 | A2A175 WITH 4 LUGS | A2A175TW-2 | A2A175CTL-4 |
| 11 | A2N175-4 | A2A200 WITH 4 LUGS | A2A225TW-2 | A2N175CTL-4 |

GE PowerMark Gold™ Meter Socket Load Centers Single Main Type

| Characteristics | Character(s) | T | SM | R | 20 | 20 | C | S | CU | FMG |
|---|--------------|---|----|---|----|----|---|---|----|-----|
| Load center | | | | | | | | | | |
| GE non-PON designation | T | | | | | | | | | |
| Main type | | | | | | | | | | |
| Meter socket - main | SF | | | | | | | | | |
| Meter socket - main breaker (with circuits) | SM | | | | | | | | | |
| Meter socket - main lug only | SL | | | | | | | | | |
| Socket type | | | | | | | | | | |
| Ring - no bypass | Blank | | | | | | | | | |
| Ringless - no bypass | R | | | | | | | | | |
| Ringless - lever bypass | B | | | | | | | | | |
| Max number of 1" spaces | | | | | | | | | | |
| Maximum # of 1" spaces/ckts for breakers | "2 - 40" | | | | | | | | | |
| Ckts for breakers | | | | | | | | | | |
| 100A | 10 | | | | | | | | | |
| 125A | 12 | | | | | | | | | |
| 150A | 15 | | | | | | | | | |
| 200A | 20 | | | | | | | | | |
| 225A | 22 | | | | | | | | | |
| Feed type | | | | | | | | | | |
| Underground | U | | | | | | | | | |
| Overhead/underground | C | | | | | | | | | |
| Front type | | | | | | | | | | |
| Surface convertible (farm panel only) | C | | | | | | | | | |
| Semi-flush | F | | | | | | | | | |
| Surface | S | | | | | | | | | |
| Surface - EUSERC wide body | W | | | | | | | | | |
| Bussing type feed-thru type | | | | | | | | | | |
| Aluminum non-feed thru | AL | | | | | | | | | |
| Copper non-feed thru | CU | | | | | | | | | |
| Copper feed-thru | FL | | | | | | | | | |
| Utility approval | | | | | | | | | | |
| Various utility approvals | Blank | | | | | | | | | |
| AEP* approved | AEP | | | | | | | | | |
| MEG/FMG** approved | FMG | | | | | | | | | |
| GP*** approved | GP | | | | | | | | | |

*AEP = American Electric Power utility

**FMG = Florida Metering Group now part of Meter Equipment Group (MEG) utility

***GP = Georgia Power utility

GE PowerMark Gold™ Meter Socket Load Centers Dual Main (TSD Type)

| Characteristics | Character(s) | T | SD | R | 8 | 40 | U | F | CU |
|---|--------------|---|----|---|---|----|---|---|----|
| Load center GE non-PON designation | T | | | | | | | | |
| Main type Meter Socket Dual Main | SD | | | | | | | | |
| Socket type Ring - Link Bypass (TSD style) Ringless Bypass or No Bypass (TSD style) | A | | | | | | | | |
| | R | | | | | | | | |
| Max number of 1" spaces Maximum # of 1" spaces/ckts for breakers | "0 - 24" | | | | | | | | |
| Ckts for breakers 300A 320A 400A | 30 | | | | | | | | |
| | 32 | | | | | | | | |
| | 40 | | | | | | | | |
| Feed type Underground Overhead/underground | U | | | | | | | | |
| | C | | | | | | | | |
| Front type Surface (for TSDA type only) Semi-Flush Surface | C | | | | | | | | |
| | F | | | | | | | | |
| | S | | | | | | | | |
| Bussing type feed-thru type Copper 42ckt 1/2" spaces Copper Non-Feed Thru Copper Feed-Thru | 42 | | | | | | | | |
| | CU | | | | | | | | |
| | FL | | | | | | | | |
| Utility approval Various utility approvals GP*** approved | Blank | | | | | | | | |
| | GP | | | | | | | | |

*FMG = Florida Metering Group now part of Meter Equipment Group (MEG) utility
 **GP = Georgia Power utility

GE PowerMark Gold™ Meter Socket Load Centers - Dual Main (TM/TMH Type)

| Characteristics | Character(s) | T | M | 24 | 40 | RMRS |
|--|----------------|---|---|----|----|------|
| Load center GE non-PON designation | T | | | | | |
| Main type Meter Socket Dual Main 10K Meter Socket Dual Main 22K | M MH | | | | | |
| Max number of 1" spaces Maximum # of 1" spaces/ckts for breakers | "0 - 24" | | | | | |
| Ckts for breakers 300A 320A 400A | 30 32 40 | | | | | |
| Socket Type Ring Type (TM and TMH style) Ringless Type (TM and TMH style) | RMS RMRS | | | | | |

GE PowerMark Gold™ Meter Socket Load Centers - Dual Main (TM/TMH Type)

| Characteristics | Character(s) | T | M | 10 | 40 |
|--|----------------------------------|---|---|----|----|
| Load center GE non-PON designation | T | | | | |
| Socket and Utility Type Ring (Various) or Ringless (MEG*) Ringless Georgia Power (GP**) | M SMR | | | | |
| Ckts for breakers 100A (GP*) 150A (GP*) 100A Non-GP** 125A Non-GP** 150A Non-GP** 200A Non-GP** | 10 15 10 12 15 20 | | | | |
| Socket Type Various Utility Approvals GP** Approved MEG/FMG* Approved | RMC CSGP RMCFMG | | | | |

*FMG = Florida Metering Group now part of Meter Equipment Group (MEG) Utility

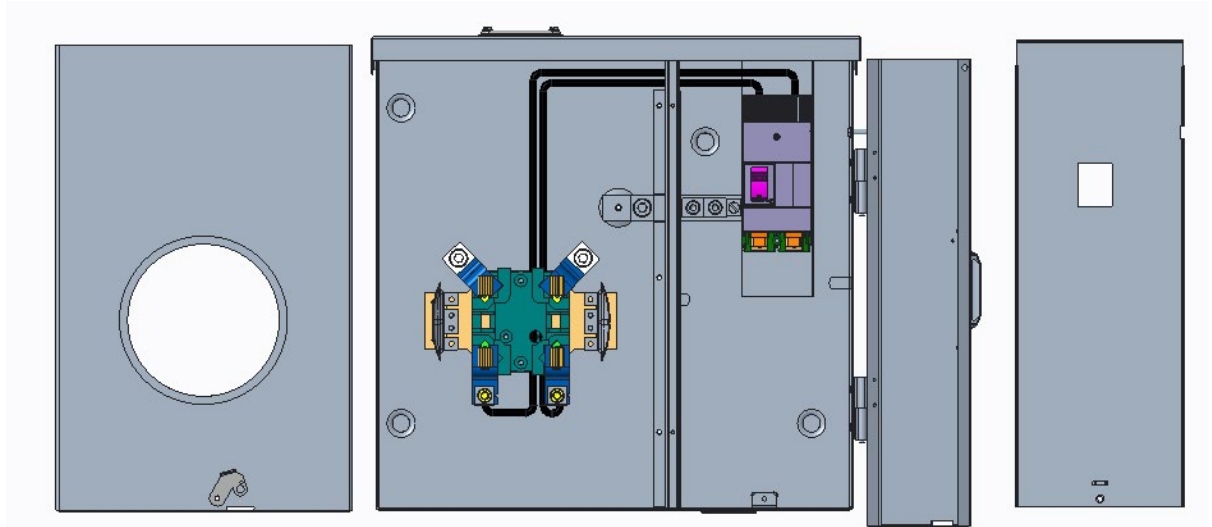
**GP = Georgia Power utility

Side swing doors

PowerMark Gold MSLCs now feature convenient side swing doors helping provide safer, easier, and faster access to service equipment.

Side swing door

The new side swing doors replace the top hinged door available previously (see table below for corresponding SKUs).



Key benefits

- More convenient - require less effort to open and close the MSLC doors
- Help enhance safety - reduce work accidents by virtually eliminating the risk of falling doors
- Easier and faster access - increase service and maintenance speed by allowing easier access to the interior
- Cost-effective - help reduce labor costs by performing a faster service

SKUs utilizing new side swing door feature

| GCAT (Catalog) | MCAT (Model number) | Existing door offering | New door offering |
|----------------|---------------------|------------------------|-------------------|
| TM10RMC | TM10RMCM01 | Top hinged door | Side hinged door |
| TM12RMC | TM12RMCM01 | Top hinged door | Side hinged door |
| TM15RMC | TM15RMCM01 | Top hinged door | Side hinged door |
| TM20RMC | TM20RMCM01 | Top hinged door | Side hinged door |
| TM10RMCFMG | TM10RMCFMGM01 | Top hinged door | Side hinged door |
| TM12RMCFMG | TM12RMCFMGM01 | Top hinged door | Side hinged door |
| TM15RMCFMG | TM15RMCFMGM01 | Top hinged door | Side hinged door |
| TM20RMCFMG | TM20RMCFMGM01 | Top hinged door | Side hinged door |
| TSMR015CSGP | TSMR015CSGPM01 | Top hinged door | Side hinged door |
| TSMR020CSGP | TSMR020CSGPM01 | Top hinged door | Side hinged door |

ABB Inc.
305 Gregson Dr.
Cary, NC 27511

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Inc. does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Inc. © 2020 ABB. All rights reserved

GE is a registered trademark used under license from General Electric.