



RESIDENTIAL SOLUTIONS

PowerMark Gold™ Meter Socket load centers with ABB SACE 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 easy access.

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PowerMark Gold Meter
Socket Load Center

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.

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.

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.

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:

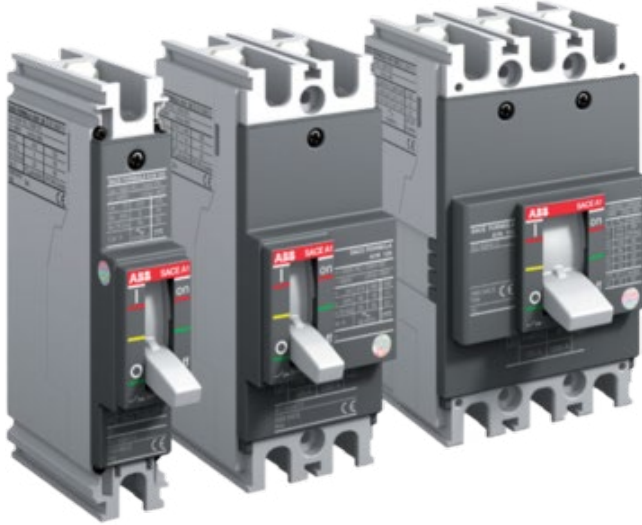
- New home construction
- Home remodeling
- Service upgrades
- Light commercial



SKUs featuring ABB SACE 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
TSDR830CFUCGP	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
TSDR840CFUCGP	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

SACE FORMULA A1 and A2 are the accumulation of ABB's long history of developing high performance circuit breakers. They are designed to be an easy-to-use breaker providing a high level of quality and versatility.



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ABB SACE FORMULA
A1 and A2 circuit breakers

Key benefits

- Many MSLCs feature ABB SACE 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	Former breaker part #	New breaker	Breaker rating	Breaker Qty	New Breaker Kit with Lugs
TM10RMC	Surface	UL	TQD22100	A1A100TW-2	100	1	A1A100CTL-4
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

01



02



01. PowerMark Gold™
with closed doors

02. PowerMark Gold™
with front open

Secondary and replacement main breaker kits

11 Breaker assemblies description			Breaker	SKU
Item	Product number	Description		
1	A1A100-4	A1A100 WITH 4 LUGS	A1A100TW-2	A1A100CTL-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	A2N200-4	A2N200 WITH 4 LUGS	A2N200TW-2	A2N200CTL-4
6	A2N150-4	A2N150 WITH 4 LUGS	A2N150TW-2	A2N150CTL-4
7	A2A175-4	A2A175 WITH 4 LUGS	A2A175TW-2	A2A175CTL-4
11	A2N175-4	A2A200 WITH 4 LUGS	A2A225TW-2	A2N175CTL-4

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

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

Characteristics

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)	A									
Ringless Bypass or No Bypass (TSD style)	R									
Max number of 1" spaces Maximum # of 1" spaces/ckts for breakers	"0 - 24"									
Ckts for breakers 300A	30									
320A	32									
400A	40									
Feed type Underground	U									
Overhead/underground	C									
Front type Surface (for TSDA type only)	C									
Semi-Flush	F									
Surface	S									
Bussing type feed-thru type Copper 42ckt 1/2" spaces	42									
Copper Non-Feed Thru	CU									
Copper Feed-Thru	FL									
Utility approval Various utility approvals	Blank									
GP*** approved	GP									

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

**GP = Georgia Power utility

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					

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' convenient side swing doors help provide safer, easier, and faster access to service equipment.



Key benefits

- More convenient - require less effort to open and close the MSLC doors
- Enhance safety - help 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
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Side swing door
The new side swing doors replace the top hinged door available previously (see table below for corresponding SKUs).

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

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