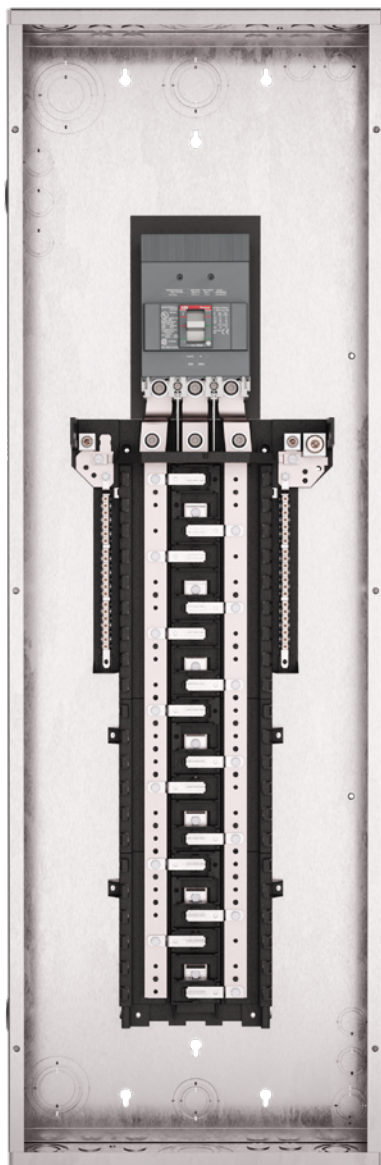




DATASHEET

PowerMark™ Plus Three Phase Load Centers with SACE FORMULA A circuit breakers

PowerMark Plus Three Phase Load Centers receive power from the utility source and safely distribute it throughout commercial and highrise applications to feed and protect branch circuits. PowerMark Plus Three Phase Load Centers are now delivered with SACE Formula A2 factory-installed main circuit breakers or with main lugs.



SACE FORMULA A2 circuit breakers replace GE legacy TQD/THQD circuit breakers, delivering a superior performance and increased reliability in a sturdy and modern frame. The protection trip unit has fixed thermal and magnetic threshold values for rapidly putting the circuit breaker into service. SACE FORMULA A2 circuit breakers are UL 489 certified.

About ABB's SACE FORMULA

The SACE FORMULA reach up to 250 A. It is available in the fixed version with front terminals. In addition, the protection trip unit has fixed thermal and magnetic threshold values for rapidly putting the circuit breaker into service. SACE FORMULA A2 circuit breakers meet IEC 60947-2 standard and are UL 489 certified.

Learn more about SACE FORMULA circuit breakers at <https://new.abb.com/low-voltage/products/circuit-breakers/formula>

SACE FORMULA A2 circuit breakers are designed to be a simple-to-use breaker providing a high-level of quality and versatility. They are the optimum result of ABB's long history of technology innovation.

—
ABB's advanced FORMULA
A2 circuit breaker



POWERMARK PLUS THREE PHASE LOAD CENTER

Key Benefits

- FORMULA A2 breakers deliver superior performance and increased reliability in a sturdy and modern circuit breaker frame
- The galvanized box and tin-plated copper stabs ensure the reliability and durability of the load center
- Quick and easy selection and ordering with fewer stock-keeping units (SKUs)
- Full product range meet various applications

Key Features

- SACE FORMULA A2 circuit breakers
- Indoor fronts combination surface/flush
- Copper to copper stab connections with aluminum bus
- Bottom feed models available where noted with a "B" suffix

Technical specifications

- 100 A through 225 A main ampere ratings
- 60°C/75°C conductor rating
- Outdoor NEMA 3R rated
- 22 kAIC symmetrical short circuit rating standard

Standards and certifications

- Suitable for use as service entrance equipment when complying with the National Electrical Code (NEC)
- UL Listed (Panelboard No. 67)

PowerMark Plus Three Phase Load Centers technical specifications vary depending on the style. However, a reduced number of sales codes are available to simplify the selection and ordering. Please refer to the product website for a complete list.

Cross-reference table

Type	Enclosure	Main ampere	1 Pole 1" spaces	2 Pole 1" spaces	3 Pole 1" spaces	Total 1 pole spaces	Front type	Feed type	Box number	Main wire size 9AWG/ Kcmil) Cu-Al	Equipment ground kit	Replacement front	Product No.
Indoor	NEMA 1	150	24	12	8	24	Combination Flush / Surface Front	Top	11	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM24BC3A2	TM24415C
Indoor	NEMA 1	150	24	12	8	24	Combination Flush / Surface Front	Bottom	11	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TMB24BC3A2	TM24415CB
Outdoor	NEMA 3R	150	24	12	8	24		Top	R6	1-3/0 (Cu), 2/0-3/0(Al)	TGK32 (order separately)	N/A - only a shield	TM24415R
Indoor	NEMA 1	200	24	12	8	24	Combination Flush / Surface Front	Top	12	1-300(Cu), 2/0-300 (Al)	TGK32 (order separately)	TM24DC3A2	TM24420C
Indoor	NEMA 1	200	24	12	8	24	Combination Flush / Surface Front	Bottom	12	1-300(Cu), 2/0-300 (Al)	TGK32 (order separately)	TMB24DC3A2	TM24420CB
Indoor	NEMA 1	125	30	14	10	30	Combination Flush / Surface Front	Top	12	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM30BC3A2	TM30412C
Indoor	NEMA 1	125	30	14	10	30	Combination Flush / Surface Front	Bottom	12	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TMB30BC3A2	TM30412CB
Outdoor	NEMA 3R	125	30	14	10	30	-	Top	R7	1-3/0 (Cu), 2/0-3/0(Al)	TGK32 (order separately)	N/A - only a shield	TM30412R
Indoor	NEMA 1	150	30	14	10	30	Combination Flush / Surface Front	Top	12	1-3/0(Cu) 2/0-3/0(Al)	TGK32 (order separately)	TM30EC3A2	TM30415C
Indoor	NEMA 1	150	30	14	10	30	Combination Flush / Surface Front	Bottom	12	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TMB30EC3A2	TM30415CB
Outdoor	NEMA 3R	150	30	14	10	30	-	Top	R7	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	N/A - only a shield	TM30415R
Indoor	NEMA 1	200	30	14	10	30	Combination Flush / Surface Front	Top	13	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TM30DC3A2	TM30420C
Indoor	NEMA 1	200	30	14	10	30	Combination Flush / Surface Front	Bottom	13	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TMB30DC3A2	TM30420CB
Outdoor	NEMA 3R	200	30	14	10	30	-	Top	R7	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	N/A - only a shield	TM30420R
Indoor	NEMA 1	150	42	20	14	42	Combination Flush / Surface Front	Top	15	1-3/0(Cu) 2/0-3/0(Al)	TGK42 (order separately)	TM42DC3A2	TM42415C
Indoor	NEMA 1	150	42	20	14	42	Combination Flush / Surface Front	Bottom	15	1-3/0 (Cu), 2/0-3/0 (Al)	TGK42 (order separately)	TMB42DC3A2	TM42415CB
Indoor	NEMA 1	200	42	20	14	42	Combination Flush / Surface Front	Top	14	1-250 (Cu), 2/0-250(Al)	TGK42 (order separately)	TM42EC3A2	TM42420C
Indoor	NEMA 1	200	42	20	14	42	Combination Flush / Surface Front	Bottom	14	1-250 (Cu), 2/0-250(Al)	TGK42 (order separately)	TMB42EC3A2	TM42420CB
Outdoor	NEMA 3R	200	42	20	14	42	-	Top	R8	1-250 (Cu), 2/0-250 (Al)	TGK42 (order separately)	N/A - only a shield	TM42420R
Indoor	NEMA 1	225	42	20	14	42	Combination Flush / Surface Front	Top	15	1-300(Cu), 2/0-300(Al)	(2) TGL2 (order separately)	TM42BC3A2	TM42422C
Indoor	NEMA 1	225	42	20	14	42	Combination Flush / Surface Front	Bottom	15	1-300(Cu), 2/0-300(Al)	(2) TGL2 (order separately)	TMB42BC3A2	TM42422CB
		225										TM42422R	TM42422R
		2L										KA2LD	KA2LD
		B13										A2P3SB1	A2P3SB1
		204							12			TM24420CLB	TM24420CLB
		200							13			TM30420CLB	TM30420CLB
Outdoor	NEMA 3R	202	42	20	14	42		Top	R8	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TM42420CLB	TM42420CLB

Product number guide for load centers

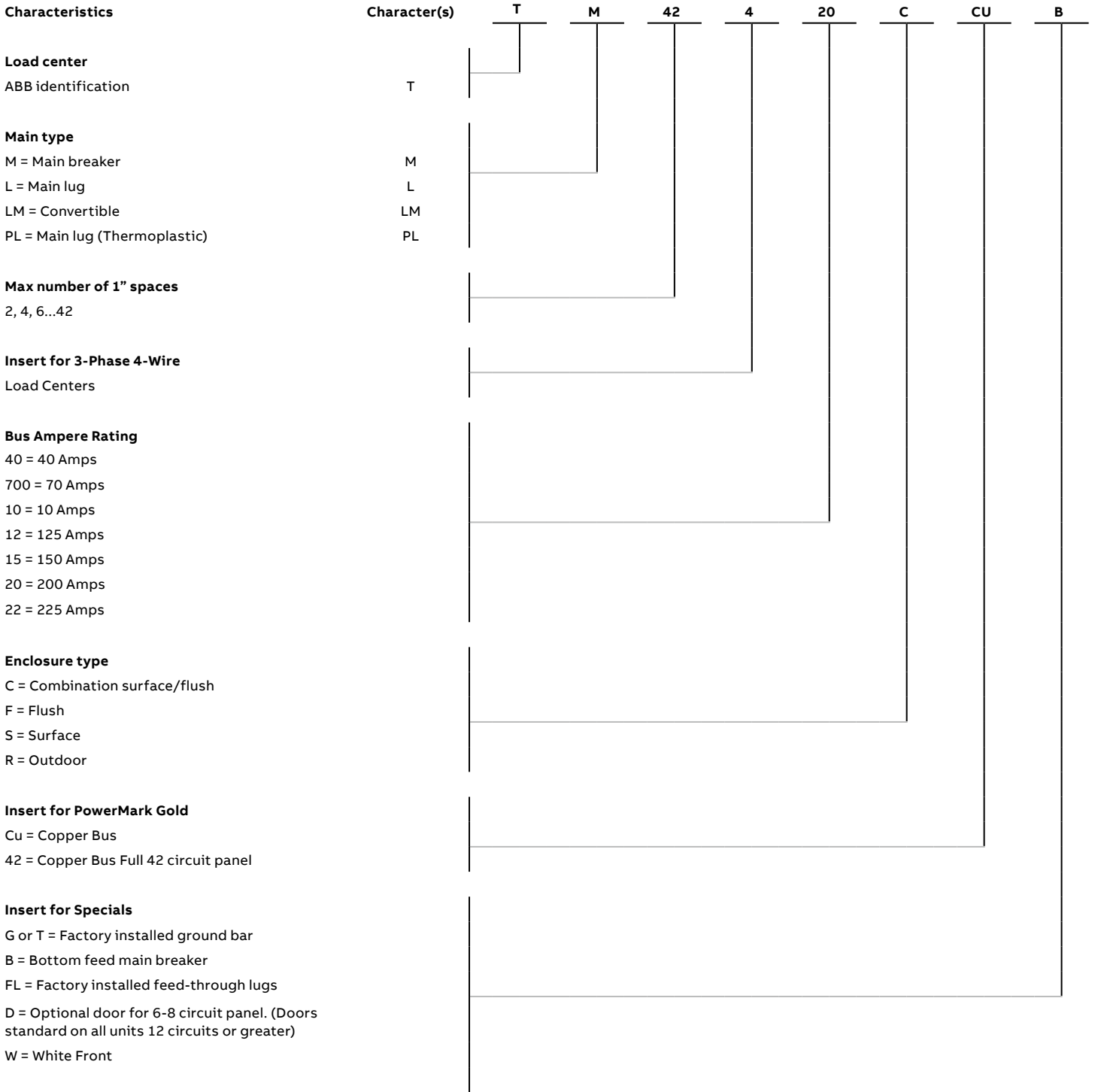


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