
CANADIAN BROCHURE | 2017

Enclosed Circuit Breakers Tmax Range



Enclosed Circuit Breakers

Reliable solution

ABB solution for enclosed circuit breaker

ABB's enclosed circuit breakers offer all the advantages and accessories of a circuit breaker packaged in an enclosure for nearly any application requiring a means of disconnect. Ideal for a variety of locations including general purpose, rainproof surface mounting, water and dustproof. 100% rated products are available in configurations ranging from 15 to 1200 A to meet the needs of many applications.

With the possibility of having a service entrance rating, the offering is complete for all industrial, commercial and heavy residential applications.

Moreover, the new range of Tmax XT is now included with the enclosed solution. Offering the most up-to-date technology on the market related to circuit protection. The new Ekip protection unit can be added to the breaker for increased reliability, safety and durability.

Factory assembled units are proudly assembled in Canada.



Enclosed Circuit Breakers

Features & Benefits

Confidence and flexibility

The enclosed Tmax circuit breaker solution from ABB offers a wide variety of solutions for all your needs. Rest assured that all products are certified according to local regulations. Available with the new Tmax XT up to 250A and with standard Tmax solution from 400A up to 1200A

01 New Tmax XT range

02 CSA certified

Latest circuit breaker technology

Enclosed Circuit Breakers are now offered with the new Tmax XT range which offers more flexibility and precision (thanks to the new Ekip trip unit offering).

Certification

ABB enclosed Tmax circuit breaker solution is CSA and UL certified as standard on Type 1 enclosures and factory certified on special assemblies using other types of enclosures such as type 3, 3R, 4, 4X and 12.

Standard Type 1 enclosure

All standard Enclosed Circuit Breakers are assembled with certified NEMA type 1 enclosures with padlocking possibility. Other NEMA type rated enclosures are available on request.

Service entrance

Certified Service entrance assembly is available and performed at our factory conformed to the Canadian Electrical code by the CSA group.

Options flexibility

ABB offers the choice of factory assembled units or DYI solution.

- DYI solution is the possibility to purchase loose components to build your own assembly. Service Entrance solution is not available with DYI.
- Factory assembled standard is the assembly of a non Service Entrance unit according to customer's requirement
- Factory assembled Service Entrance is the assembly of Service Entrance rated units. Only available through our factory with proper certification. Assembled according to customer's requirement..



01



02

Enclosed Circuit Breakers

DYI configuration & selection

DIY type configuration (loose parts)

The DYI configuration does not include the circuit breaker. It must be selected according to our technical catalog 1SXP210003C0201.

- All electrical work shall be performed by qualified personel and conform to all applicable saftey codes. Service Entrance rating not available on DYI configuration.
- Standard Type 1 Enclosures on DYI configuration.

DYI solution for Type 1 enclosures

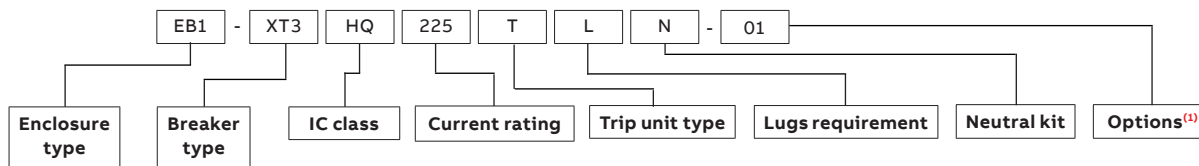
Breaker type	Amperage max.	Enclosure part number	Enclosure approx. dimensions H x W x D (in)	Neutral kit part number	Neutral kit amperage max.	Neutral kit wire range
XT1	125 A	EB1-XT1-125	16 x 12 x 5	SNT4-100	100 A	14 AWG ... 1/0
				SNT4-150	125 A	2 AWG ... 4/0
XT2	125 A	EB1-XT2-125	16 x 12 x 5	SNT4-100	100 A	14 AWG ... 1/0
				SNT4-150	125 A	2 AWG ... 4/0
XT3	125 A	EB1-XT3-125	16 x 12 x 5	SNT4-100	100 A	14 AWG ... 1/0
				SNT4-150	125 A	2 AWG ... 4/0
	225 A	EB1-XT3-225	26 x 12 x 5	SNT4-150	150 A	2 AWG ... 4/0
				SNT4-225	225 A	4 AWG ... 300 kcmil
XT4	100 A	EB1-XT4-100	16 x 12 x 5	SNT4-100	100 A	14 AWG ... 1/0
				SNT4-150	150 A	2 AWG ... 4/0
	225...250 A ⁽¹⁾	EB1-XT4-225	26 x 12 x 5	SNT4-225	225 A	4 AWG ... 300 kcmil
				SNT4-250	250 A	6 AWG ... 350 kcmil
				SNT4-100	100 A	14 AWG ... 1/0
				SNT4-150	150 A	2 AWG ... 4/0
250 A	EB1-XT4-250	36 x 20 x 5	SNT4-225	225 A	4 AWG ... 300 kcmil	
			SNT4-250	250 A	6 AWG ... 350 kcmil	
T5	300...400 A	EB1-T5-400	36 x 20 x 5	SNT5-300	300 A	250 kcmil ... 500 kcmil
				SNT5-400	400 A	2x 3/0 ... 2x 250 kcmil
T6	600...800 A	EB1-T6-800	48 x 22 x 6.15	SNT6-600	600 A	2x 250 kcmil ... 2x 500 kcmil
				SNT6-800	800 A	4x 250 kcmil ... 4x 500 kcmil
T7	1200 A	EB1-T7-1200	48 x 22 x 6.15	SNT7-1200	1200 A	4x 250 kcmil ... 4x 500 kcmil

(1) 250 A with Cu cable (300 kcmil max)

Enclosed Circuit Breakers

Factory assembled configuration

Catalog number explanation



Factory assembled solution

Enclosure type	Breaker type	Interrupting rating class ⁽²⁾	Current rating ⁽²⁾	Trip unit type ⁽²⁾	Lugs requirement	Neutral bar kit ⁽³⁾
EB1	Type 1	XT1 125 A max	B Basic	015 15 A	T Thermal-magnetic	Blank No lugs supplied
EB2	Type 12	XT2 125 A max.	BQ Basic 100%	020 20 A	B Elect. LS/I	L Lugs supplied
EB3	Type 3R	XT3 225 A max.	N Normal	025 25 A	C Elect. LSI	N With neutral
EB4	Type 4	XT4 250 A max.	NQ Normal 100%	030 30 A	E Elect. LSIG	
EBX	Type 4X	T5 400 A max.	S Standard	035 35 A	P Adv. Elect. LI	
EBP	Type 4X	T6 800 A max.	SQ Standard 100%	040 40 A	R Adv. Elect. LSI	
	Plastic	T7 1200 A max.	H High	050 50 A	S Adv. Elect. LSIG	
			HQ High 100%	060 60 A		
			L Extra High	070 70 A		
			LQ Extra High 100 %	080 80 A		
			V Very High	090 90 A		
			VQ Very High 100%	100 100 A		
				125 125 A		
				150 150 A		
				175 175 A		
				200 200 A		
				225 225 A		
				250 250 A		
				300 300 A		
				400 400 A		
				600 600 A		
				800 800 A		
				1000 1000 A		
				1200 1200 A		

(1) Please consult ABB for additional options such as auxiliary contacts, shunt trips, bell alarm. Sequential number provided by ABB

(2) Always consult our technical catalog 1SXP210003C0207 to determine the correct IC class and amperage values assigned to each circuit breaker

(3) Neutral bar kit required for service entrance rated enclosed circuit breaker. Consult ABB if service entrance is required.