

CANADIAN BROCHURE

# Enclosed Circuit Breakers

## Tmax range



- Enclosed solution up to 1200A
- Pre-assembled in Type 1 enclosures
- Optional Type 3/3R/4/4X/12 enclosures
- DYI possibility with standard Type 1
- Service entrance rated available

---

# Reliable Solution

---

## ABB's 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.



---

# Confidence & Flexibility

All our 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 for all types of applications.

—  
01 New Tmax XT range  
—  
02 CSA / UL 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

As standard, all enclosed Type 1 solutions up to 400A are CSA and UL certified, while 600A up to 1200A are only CSA certified. All other special assemblies such as Type 3/3R/4/4X and 12 are factory certified.

## 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

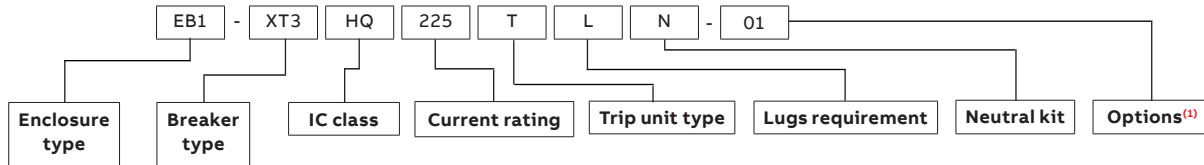
ABB offers the choice of factory assembled units or DIY solution.

- DIY solution is the possibility to purchase loose components to build your own assembly. Service Entrance solution is not available with DIY.
- 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..



# Factory assembled Solution

## Catalog number explanation



## Factory assembled solution

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

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

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

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

# DIY Solution

## Do-It-Yourself type configuration (loose parts)

The DIY 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 DIY configuration.
- Standard Type 1 Enclosures on DIY configuration.

### DIY 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
<b>XT1</b>	125 A	EB1-XT1-3-125	16 x 12 x 5	SNT4-100	100 A	14 AWG ... 1/0
				SNT4-150	125 A	2 AWG ... 4/0
<b>XT2</b>	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
<b>XT3</b>	125 A	EB1-XT1-3-125	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
<b>XT4</b>	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 <sup>(1)</sup>	EB1-XT4-225	26 x 12 x 5	SNT4-225	225 A	4 AWG ... 300 kcmil
				SNT4-250	250 A	6 AWG ... 350 kcmil
250 A	EB1-XT4-250	36 x 20 x 5	SNT4-100	100 A	14 AWG ... 1/0	
			SNT4-150	150 A	2 AWG ... 4/0	
			SNT4-225	225 A	4 AWG ... 300 kcmil	
			SNT4-250	250 A	6 AWG ... 350 kcmil	
<b>T5</b>	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
<b>T6</b>	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
<b>T7</b>	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)



—

**ABB - Campus Montréal.**

800 Hymus Boulevard  
Saint-Laurent, Quebec, Canada  
H4S 0B5  
Phone: 438-843-6000  
Toll Free: 1-888-856-6266

**[www.abb.com/lowvoltage](http://www.abb.com/lowvoltage)**

—

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders and/or contracts, 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.

© Copyright 2019 ABB. All rights reserved.